



7350 Series Nose Bar Drive Conveyors

Installation, Maintenance and 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

A

CAUTION

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.

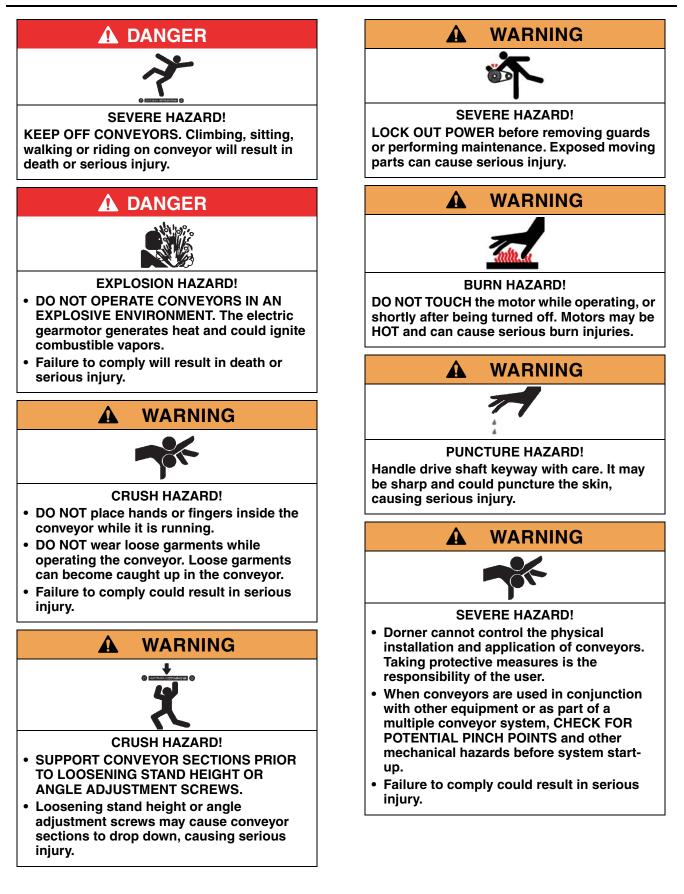
The Dorner Limited Warranty applies.

Dorner 7350 Series conveyors have patents pending.

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

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

Warnings – General Safety



Product Description

Refer to (Figure 1) for typical conveyor components.

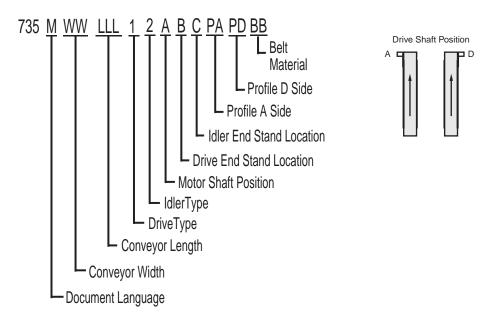
Typical Components

- 1 Conveyor
- 2 Gearmotor
- 3 Belt
- 4 Support Stands
- 5 Drive End
- 6 Idler End



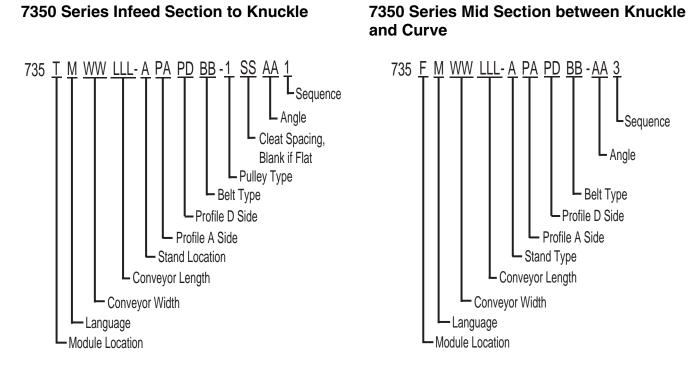
Specifications

Flat Belt 7350 Series Conveyor

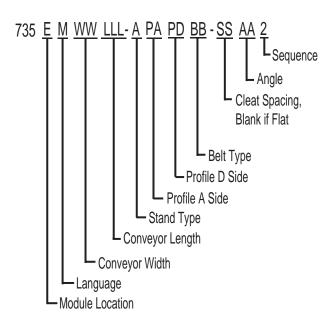


Specifications

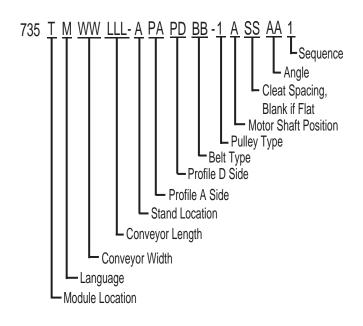
7350 Series Z-Frame Conveyor Modules



7350 Series Mid Section between two Knuckles



7350 Series Discharge Section from Knuckle



Specifications

Conveyor Supports

Maximum Distances:

- 1 = Support Stand on Idler End = 30" (762 mm
- 2 = Between Support Stands = 8 ft (2438 mm)**
- 3 = Support Stand on Drive End = 24" (610 mm)
- ** For conveyors longer than 10 ft (3048 mm), install stand mount kit at frame joint.

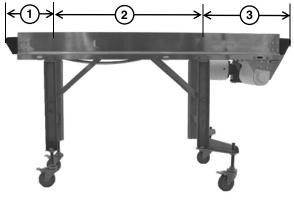


Figure 2

Specifications

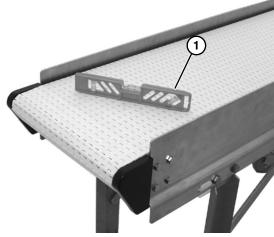
Conveyor Width Reference (WW)	04 – 36 in 02 increments
Conveyor Belt Width	4" (102 mm) - 36" (914 mm) in 2" (51 mm) increments
Maximum Conveyor Load	20 lbs. / ft ² (97 kg/ m ²) with a maximum of 750 lbs. (340 kg)
Belt Travel	12" (305 mm) per revolution of pulley
Maximum Belt Speed	260 ft/minute (79 m/minute)
Conveyor Length Reference (LLL)	036 – 999 in 001 increments
Conveyor Length	36" (914 mm) - 999" (25.4 m) in 1" (25 mm) increments

IMPORTANT

Maximum conveyor loads are based on:

- Non-accumulating product
- Product moving toward gearmotor
- Conveyor being mounted horizontally
- Conveyor being located in a dry environment
- Conveyor equipped with standard belt only

Conveyor MUST be mounted straight, flat and level within confines of conveyor. Use a level (Figure 3, item 1) during setup.





Required Tools

- Level
- Torque wrench
- 5/32" hex wrench (for bearings)
- 13 mm wrench (for tail assemblies)
- 14 mm wrench (for motor mounts)
- 17 mm wrench (for stands)

Recommended Installation Sequence

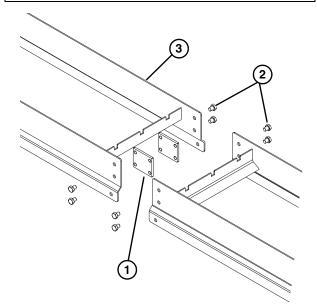
- 1. Assemble the conveyor (if required). Refer to "Conveyors Longer than 10 ft (3048 mm)" on page 7.
- 2. Attach the stands. Refer to "Stand Installation" on page 9.
- 3. Install the belt. Refer to "Belt Installation" on page 9.
- 4. Install the gearmotor. Refer to "Drive Package Installation" on page 12.

Conveyors Longer than 10 ft (3048 mm)

Connecting Components

Typical Connecting Components (Figure 4).

- 1 Connector Plate (x2)
- 2 Hex Head Cap Screw M10-1.50 x 12mm (x4)
- 3 Conveyor Frames





1. Locate and arrange conveyor sections by section labels (Figure 5, item 1).

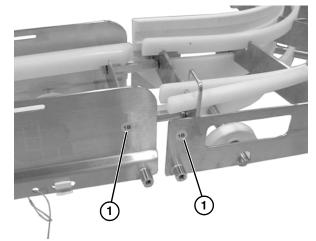


Figure 5

2. Join both conveyor sections, and install plate frame connectors (Figure 4, item 1), and secure with M10x12 hex head cap screws (Figure 4, item 2) on both sides.

Z-Frame Conveyors

NOTE

Be sure all frame sections are properly supported during Z-Frame assembly.

Knuckles

Upper Knuckle

 Attach upper knuckle (Figure 6, item 1) to frame (Figure 6, item 2) by using two cap screws (Figure 6, item 3) and connector plate (Figure 7, item 1) on each side of conveyor.

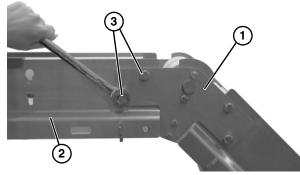


Figure 6

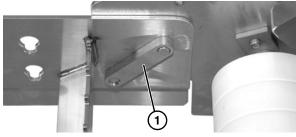
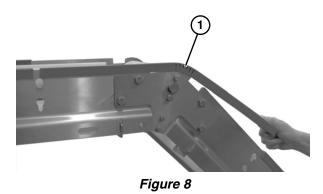


Figure 7

2. Attach bar cap (Figure 8, item 1) to frame and knuckle.



3. Tighten all cap screws to 60 in-lb (7 Nm).

Lower Knuckle

 Attach lower knuckle (Figure 9, item 1) to frame (Figure 9, item 2) by using two cap screws (Figure 9, item 3) and connector plate (Figure 10, item 1) on each side of conveyor.

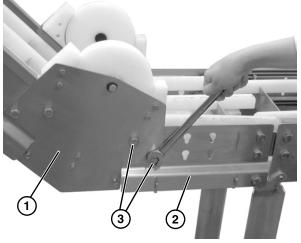


Figure 9

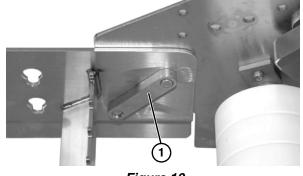


Figure 10

2. Tighten all cap screws to 60 in-lb (7 Nm).

All Conveyors

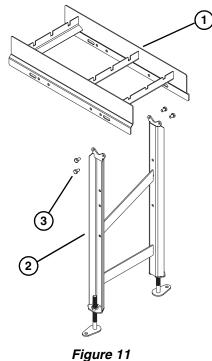
Stand Installation

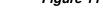
NOTE

For detailed assembly instructions, please see support stand manual 851-683.

Typical stand components (Figure 11)

- 1 Conveyor Frame
- 2 Stand
- 3 M10 1.5 x 16 mm hex head cap screws (x4)





- 1. Position the stands on a flat, level surface.
- 2. Attach the stands to the frame (Figure 12, item 1).

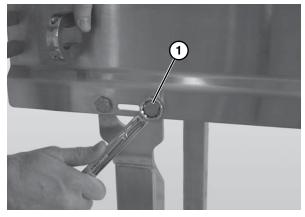
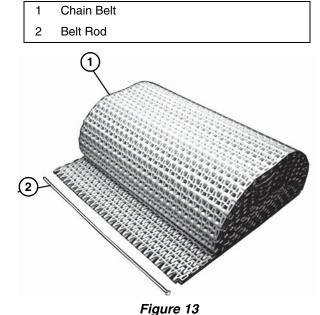


Figure 12

Belt Installation

Typical Belt Components (Figure 13)



1. Position the belt on the conveyor frame (**Figure 14**).



Figure 14

2. Wrap belt around idler tail.

3. Wrap the belt around the drive end of the conveyor, making sure the sprocket teeth have engaged the belt, with concave teeth (**Figure 15, item 1**) mating with rounded section (**Figure 15, item 2**) of belt.

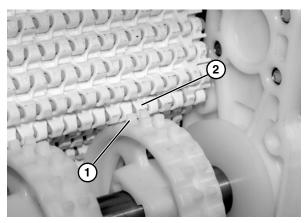


Figure 15

4. For Z-Frame conveyors, guide the belt under the hold down guides (**Figure 16, item 1**) in the lower knuckle.

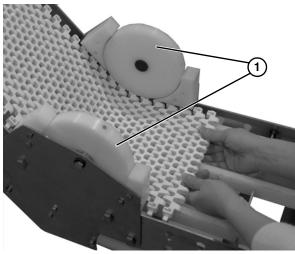


Figure 16

5. Bring the ends of the belt together (Figure 17).

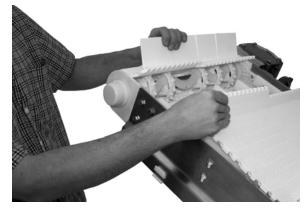


Figure 17

6. Insert the belt rod (Figure 18, item 1).

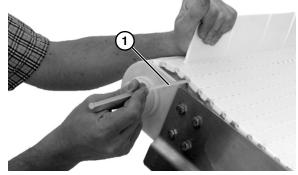


Figure 18

- 7. Push the belt rod in as far as possible.
- 8. Lightly tap the head of the rod with a hammer until it snaps into position.

Belt Returns

Returns for conveyors up to 24" wide

1. Install belt return (Figure 19, item 1) into slotted frame hole (Figure 19, item 2).

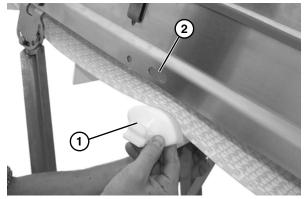


Figure 19

2. Install belt (**Figure 20, item** 1) around lower frame section and above lower wear strip (**Figure 20, item** 2).

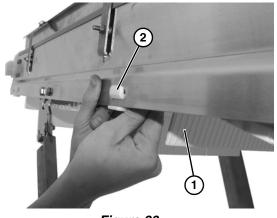


Figure 20

3. Check belt sag by measuring from the bottom of conveyor frame (Figure 21). Belt sag should not exceed 2" (51 mm).

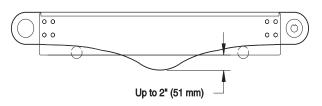


Figure 21



Belt sag should not exceed 2" (51 mm) from the bottom of the conveyor frame.

Returns for conveyors 26" - 36" wide

1. Install belt return mounting bracket (Figure 22, item 1) into slotted frame hole (Figure 22, item 2).

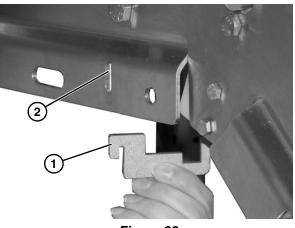


Figure 22

2. Install belt return (Figure 23, item 1) onto mounting bracket (Figure 23, item 2).

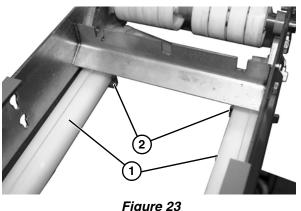


Figure 23

3. Verify that belt returns are mounted correctly by following graphic below (Figure 24) shows incorrect mounting and (Figure 25) shows correct mounting.

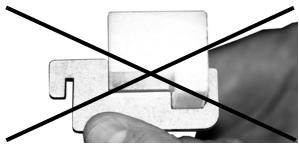


Figure 24

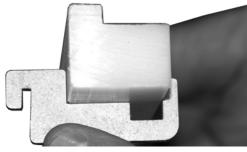


Figure 25

Guide Installation

1. Insert carriage bolts with spacers (**Figure 26, item 1**) into slotted holes in conveyor side.

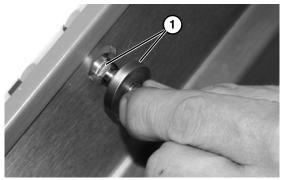


Figure 26

2. Attach the guide mounting brackets (**Figure 27, item 1**) to the conveyor with hex nuts (**Figure 27, item 2**). Hand tighten only at this time.

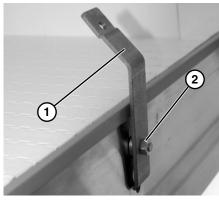


Figure 27

 Attach guide (Figure 28, item 1) to the mounting brackets with hex bolts and spacers (Figure 28, item 2). Hand tighten only at this time.

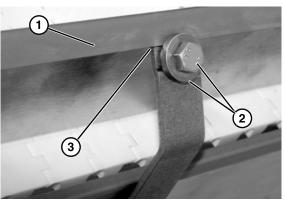


Figure 28

4. Ensure that nose of bracket slips under the lip of guide (**Figure 28, item 3**).

NOTE

Adjust guides to provide clearance between guides and belt.

NOTE

When installing guides, be sure that the angled end of guide is installed on the idler end of conveyor (*Figure 29, item 1*).

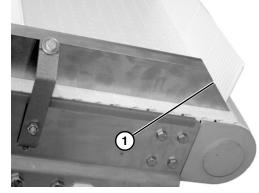


Figure 29

5. Tighten all mounting hardware.

Drive Package Installation

For detailed assembly instructions, refer to the appropriate Drive Packages Manual:

- 851-680 Side Mount Nose Bar Drive Package
- 1. Attach the motor (Figure 30, item 1) to the gear reducer (Figure 30, item 2).

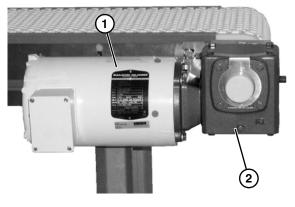


Figure 30

Required Tools

- 4 mm hex wrench
- 5 mm hex wrench
- 6 mm hex wrench
- 8 mm hex wrench
- Punch and hammer (to remove belt rod)

Checklist

- Keep service parts on hand. Refer to the "Service Parts" section starting on page 24 for recommendations.
- Replace any worn or damaged parts.

Cleaning

NOTE

Proper conveyor application, cleaning, and sanitation are the responsibility of the end user.

Dorner recommends cleaning all the "food zones" prior to placing conveyor into service. Ensure adequate access is provided for cleaning and servicing equipment so that the required level of hygiene can be maintained.



Lubrication

No lubrication is required. Replace bearings if worn.

Maintaining the Conveyor Belt

Troubleshooting

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



1. Remove guides (Figure 31, item 1) when required.

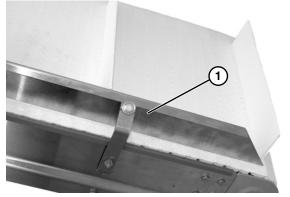


Figure 31

2. Use a punch and hammer to push the belt rod out by striking the rod end opposite the retaining head (**Figure 32**).

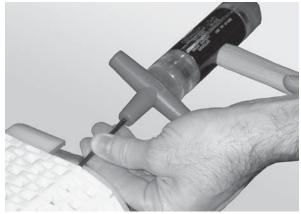


Figure 32

- 3. Slide the old belt off the conveyor frame.
- 4. Replace the old belt with a new one. Refer to "Belt Installation" on page 9.

CAUTION

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

Conveyor Belt Tensioning



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.

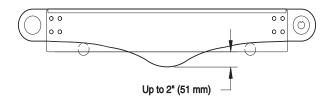


Figure 33

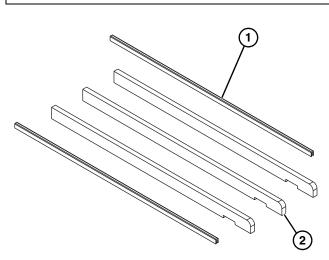


Belt sag should not exceed 2" (51 mm) from the bottom of the conveyor frame (Figure 33).

Wear Strips

Replace the wear strips if they become worn. Typical Standard Wear Strips (**Figure 34**)

- 1 Bar Cap
- 2 Wear Strips, Bed Frame



Wear Strip Removal

- 1. Remove conveyor belt. See "Conveyor Belt Replacement" on page 14.
- 2. Remove worn wear strips (**Figure 36, item 1**) from frame notches.

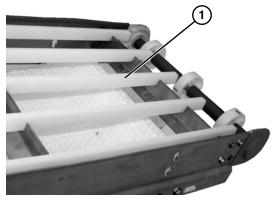


Figure 36

3. Replace with new wear strips.

Figure 34

Bar Cap Replacement

1. Remove worn bar cap (Figure 35, item 1) by lifting off of conveyor side rail.

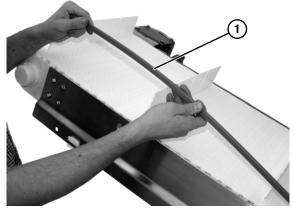


Figure 35

2. Replace with new bar cap.

Drive Sprocket and Spindle Replacement



3. Remove output shaft key (**Figure 37, item 1**).

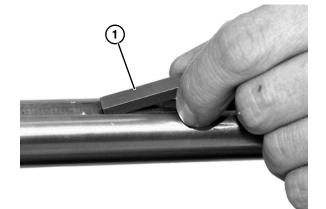
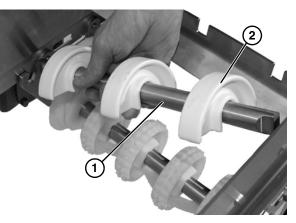


Figure 37

4. Remove belt return (Figure 38, item 1).





- 5. Remove and replace belt return shoes if worn (Figure 38, item 2).
- 6. When replacing belt return, be sure shaft is seated in pocket on side plate (Figure 39, item 1).

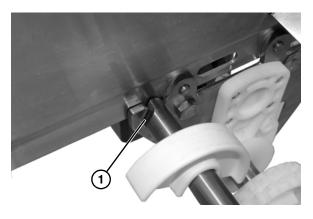
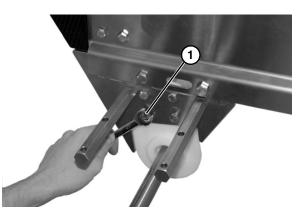


Figure 39

7. Remove the four head plate bolts (**Figure 40, item 1**) on both sides of conveyor.





8. Remove tail assembly.

13. Remove bearing cover (Figure 44, item 1).

9. Slide off tube spacer (**Figure 41**, **item 1**) and tail through plate (**Figure 41**, **item 2**).

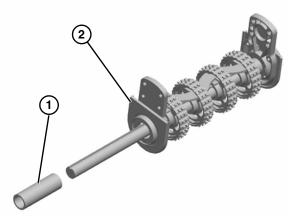


Figure 41

10. Slide entire sprocket assembly slightly outward, and remove the first sprocket (Figure 42, item 1) off the drive spindle and alignment bar (Figure 42, item 2).

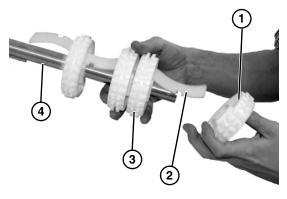


Figure 42

- 11. Remove remaining sprockets (**Figure 42, item 3**) off the alignment bar as you slide entire assembly off the drive spindle (**Figure 42, item 4**).
- 12. Remove drive spindle key (Figure 43, item 1) and tube spacer (Figure 43, item 2).

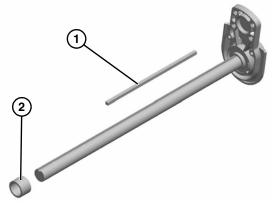


Figure 43

tube To reassemble sprockets on th

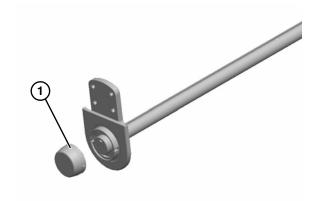


Figure 44

14. Loosen set screws (Figure 45, item 1) and remove tail plate (Figure 45, item 2).

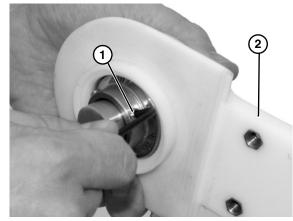


Figure 45

15. Replace bearing if worn. See "Bearing Replacement" on page 20.

NOTE

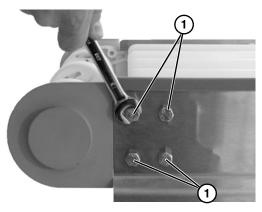
To reassemble please note the placement of the sprockets on the alignment key.

Idler Puck and Spindle Replacement



Idler tails are equipped with plain bushing pucks, replace when worn.

- 1. Open conveyor belt. See "Conveyor Belt Replacement" on page 14.
- 2. Remove four head plate bolts (**Figure 46, item 1**). Repeat on opposite side.





3. Remove idler tail assembly (Figure 47, item 1).

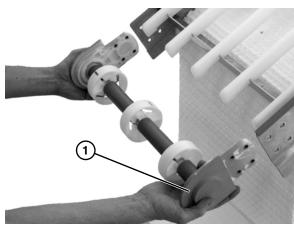
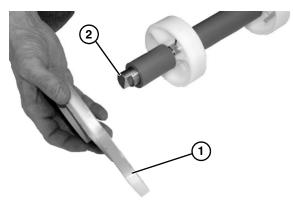


Figure 47

4. Slide off idler head plate (Figure 48, item 1) from shaft (Figure 48, item 2).





5. Slide off the round puck spacer (Figure 49, item 1).

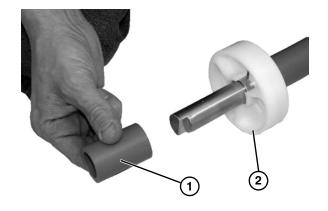


Figure 49

- 6. Slide off puck (Figure 49, item 2) and replace if worn.
- 7. Repeat as needed.

Nose Bar Idler Spindle Replacement



guards or performing maintenance.

- 1. Open conveyor belt. See "Conveyor Belt Replacement" on page 14.
- 2. Remove the nose bar idler bar with wear strips and idler shoe attached (Figure 50, item 1).

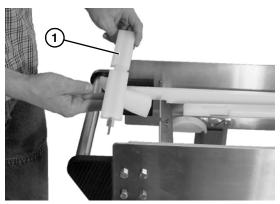


Figure 50

3. Remove and replace wear strips if worn (Figure 51, item 1).

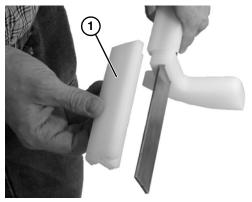


Figure 51

4. Remove and replace nose bar idler shoe if worn (Figure 51, item 1).





5. Remove four head plate bolts (Figure 53, item 1).



Figure 53

6. Slide off idler roller bearing assembly (Figure 54, item 1).

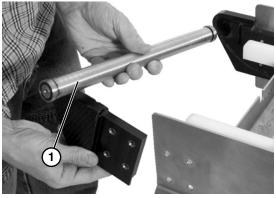


Figure 54

7. Replace bearing if worn. See "Bearing Replacement" on page 20.

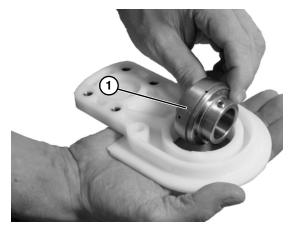
Bearing Replacement



Drive Bearing Removal and Replacement



- 1. See "Drive Sprocket and Spindle Replacement" on page 16. Follow steps 1 through 14.
- 2. Twist the bearing out (Figure 55, item 1).

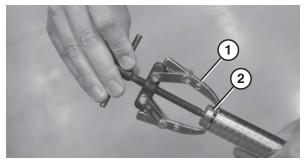




3. Replace bearing.

Idler Bearing Removal and Replacement

- 1. See "Nose Bar Idler Spindle Replacement" on page 19. Follow steps 1 through 6.
- 2. Using a bearing removal tool (Figure 56, item 1) remove the bearing (Figure 56, item 2).





3. Press on new bearing.

Press on inner race only, pressing on outer race could damage bearing.

Maintenance of Knuckles

Lower Knuckle

- 1. Remove belt. See "Conveyor Belt Replacement" on page 14.
- 2. Remove two cap screws (Figure 57, item 1) on each side of the knuckle and remove the hold down roller guards (Figure 57, item 2). Repeat on opposite side of the conveyor.

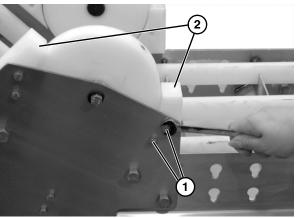


Figure 57

3. Remove the cap screw (**Figure 58**, **item 1**) and the hold down roller (**Figure 58**, **item 2**). Repeat on opposite side of the conveyor.

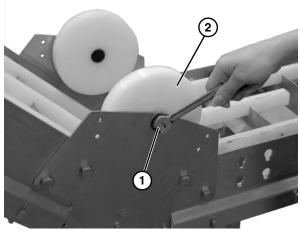


Figure 58

4. Remove two cap screws (**Figure 59**, **item 1**) and the inner belt return guide (**Figure 60**, **item 1**). Repeat on opposite side of the conveyor.

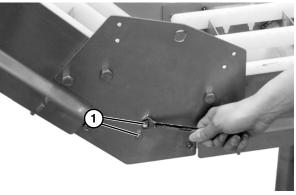


Figure 59

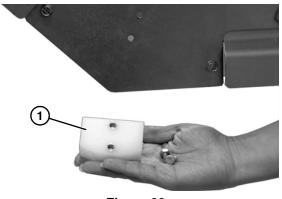


Figure 60

- 5. Replace parts as necessary.
- 6. Install parts reverse of removal.

Upper Knuckle

- 1. Remove belt. See "Conveyor Belt Replacement" on page 14.
- 2. Remove cap screw (Figure 61, item 1) and edge guide plate (Figure 61, item 2) from each side of the conveyor.

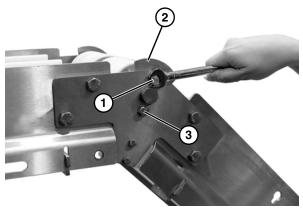


Figure 61

3. Remove the cap screw (**Figure 61, item 3**) and shaft clamp (**Figure 62, item 1**) from each side of the conveyor.

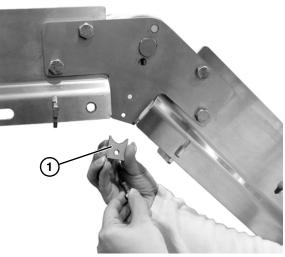
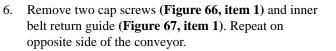


Figure 62

4. Slide shaft (Figure 63, item 1) inwards to remove from knuckle frame (Figure 64, item 1).



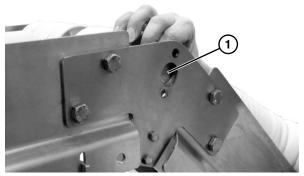


Figure 63

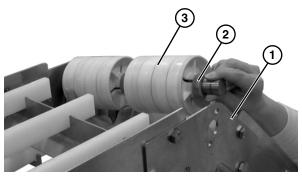


Figure 64

NOTE

Spacer (Figure 64, item 2) and pucks (Figure 64, item 3) are loose and can slide off the shaft.

 Remove spacer (Figure 65, item 1), rollers (Figure 65, item 2) and tube spacers (Figure 65, item 3) from shaft.

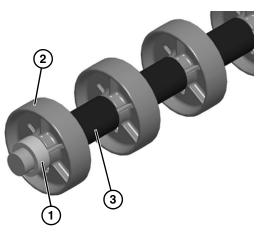


Figure 65

Dorner Mfg. Corp.

Figure 66

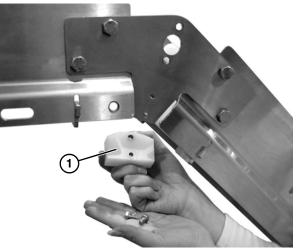


Figure 67

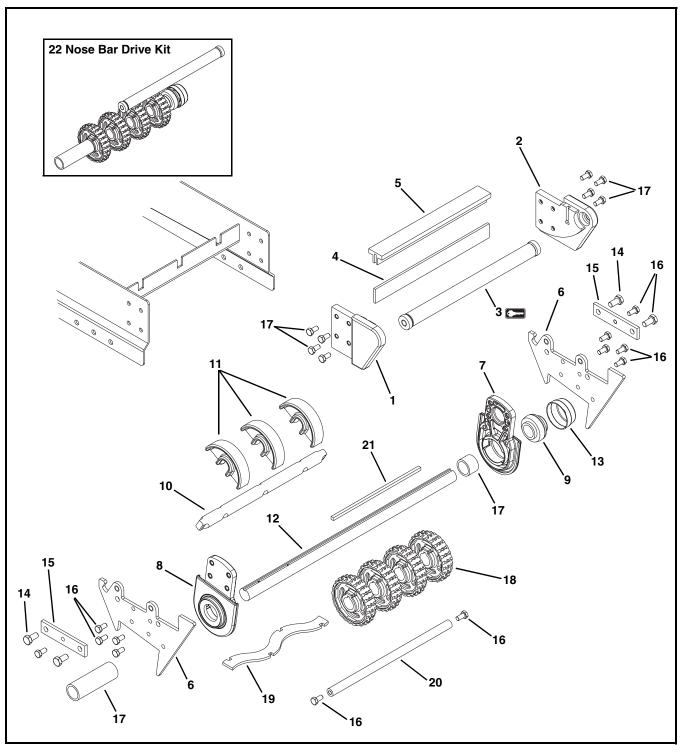
- 7. Replace parts as necessary.
- 8. Install parts reverse of removal.

Notes

NOTE

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

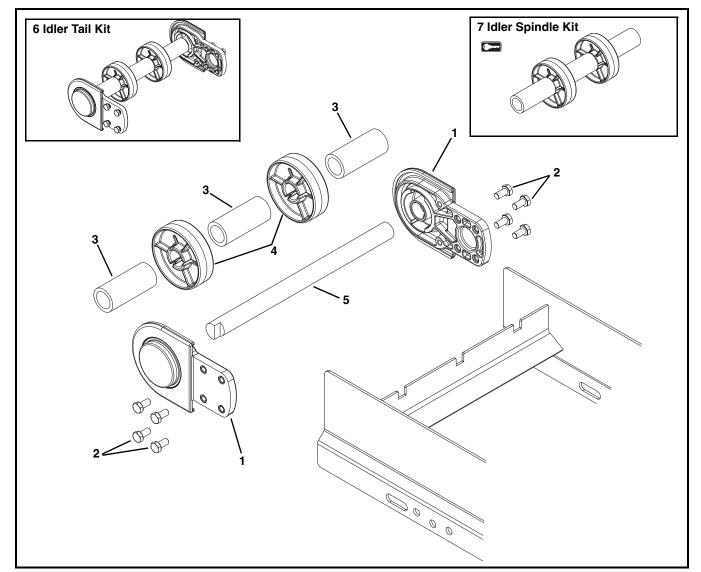
Drive End Components



Item	Part Number	Description	
1	532025	Headplate Assembly Right Hand	
2	532026	Headplate Assembly Left Hand	
3	735NBK- <u>WW</u>	Nosebar Spindle Bearing Kit	
4	532135- <u>WW</u>	Nosebar Idler Bar	
5	532136- <u>WW</u>	Nosebar Drive Wearstrip	
6	532138	Side Plate	
7	532011	Tail Plate Assembly	
8	532015	Tail Plate Thru Assembly	
9	802-161	Bearing	
10	532134- <u>WW</u>	Return Shaft	
11	500075	Return Shoe	
12	See Nose Bar	Spindle	
	Drive Spindle		
	Chart		
13*	807-1454	Bearing Cover	
14	961020MSS	Hex Head Cap Screw,	
		M10-1.50 x 20 mm	
15	532248	Spacer Plate	
16	960816MSS	Hex Head Cap Screw,	
		M8-1.25 x 16 mm	
17	532251- <u>LLLLL</u>	Tube Spacer	
18	807-1761	Sprocket	
19	532126- <u>WW</u>	Sprocket Key	
20	532119- <u>LLLLL</u>	Rod	
21	532121- <u>LLLLL</u>	Кеу	
22	735NBD- <u>WW</u>	Nose Bar Drive Kit	
		(Includes items 3, 9, 13, 17, and 18)	
	<u>WW</u> = Conveyor width reference: 04 – 36 in 02 increments		
LLLLL = Part length in inches with 2 decimal places.			
Example: Part Length = 95.25" LLLLL = 09525			
* Not a	* Not available with double output shafts		

Nos	e Bar Drive Spindle	e Chart
Conveyor Width	US Version Gearmotor	CE Version Gearmotor
4"	532232-01340	532291-01147
6"	532232-01540	532291-01347
8"	532232-01740	532291-01547
10"	532232-01938	532291-01745
12"	532232-02135	532291-01942
14"	532232-02333	532291-02140
16"	532232-02530	532291-02337
18"	532232-02728	532291-02535
20"	532232-02925	532291-02732
22"	532232-03123	532291-02930
24"	532232-03320	532291-03127
26"	532232-03518	532291-03325
28"	532232-03715	532291-03522
30"	532232-03913	532291-03720
32"	532232-04110	532291-03917
34"	532232-04308	532291-04115
36"	532232-04505	532291-04312

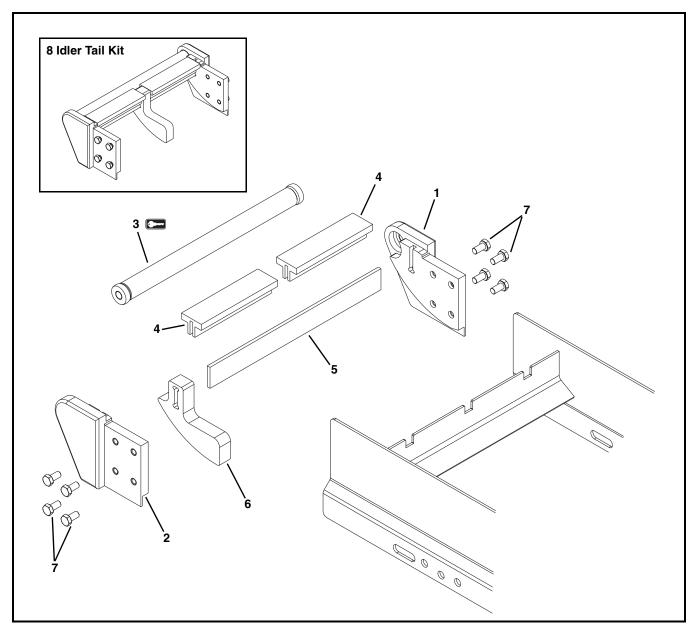
Idler End Components



Item	Part Number	Description	
1	532012	Headplate Assembly	
2	960816M	Hex Head Cap Screw M8-1.25 x 16mm	
3	532127- <u>LLLLL</u>	Tube Spacer	
4	506296	Idler Puck	
5	See Idler Spindle Chart	Spindle	
6	735IT- <u>WW</u>	Idler Tail Kit (Includes items 1 through 5)	
7	735IS- <u>WW</u>	Idler Spindle Kit (Includes items 3 and 4)	
WW = Conveyor width reference: 04 – 36 in 02 increments			
LLLLL	LLLLL = Part length in inches with 2 decimal places.		
Example: Part Length = 95.25" LLLLL = 09525			

Idler Spindle Chart		
Conveyor Width	Spindle	
4"	532118-00412	
6"	532118-00612	
8"	532118-00812	
10"	532118-01010	
12"	532118-01207	
14"	532118-01405	
16"	532118-01602	
18"	532118-01800	
20"	532118-01997	
22"	532118-02195	
24"	532118-02392	
26"	532118-02590	
28"	532118-02787	
30"	532118-02985	
32"	532118-03182	
34"	532118-03380	
36"	532118-03577	

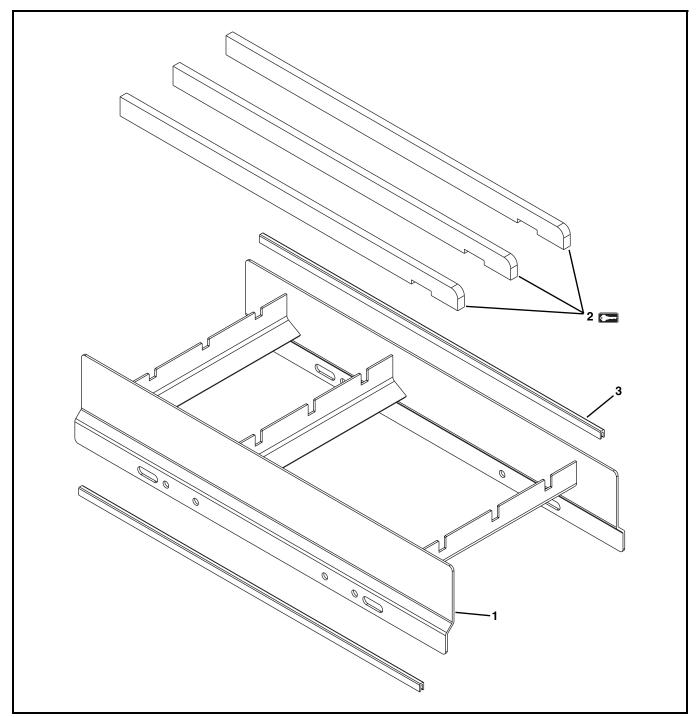
Nose Bar Idler End Components



Item	Part Number	Description
1	532025	Nosebar Headplate Right Hand
2	532026	Nosebar Headplate Left Hand
3	735NBK- <u>WW</u>	Bearing Kit
4	532170- <u>LLLLL</u>	Wear Strip
5	532135- <u>WW</u>	Nosebar Idler Bar

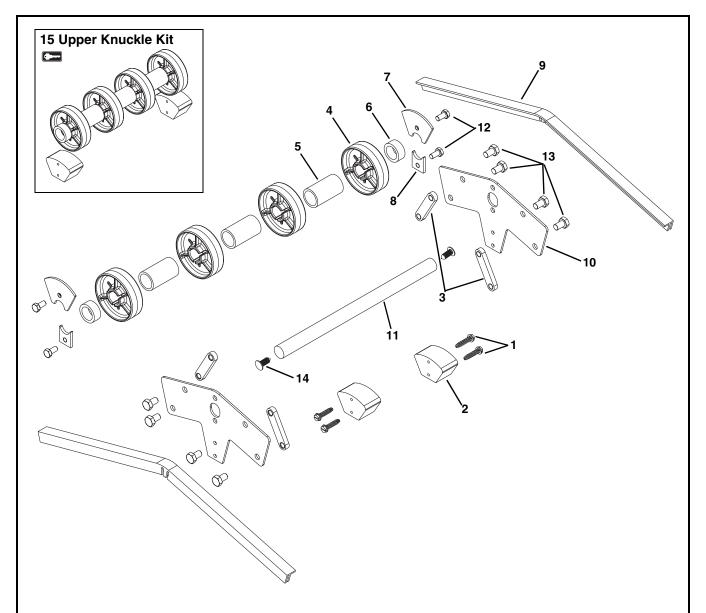
Item	Part Number	Description
6	532139	Nosebar Idler Shoe
7	960816M	Hex Head Cap Screw, M8-1.25 x 16 mm
8	735NBT- <u>WW</u>	Nose Bar Idler Tail Kit (Includes items 1 through 7)
WW = Conveyor width reference: 04 - 36 in 02 increments		
LLLLL = Part length in inches with 2 decimal places.		
Example: Part Length = 95.25" LLLLL = 09525		

Frame Assembly



Item	Part Number	Description	
1		Consult Factory for Frame Part Number	
2	532223- <u>LLLLL</u>	Wear Strip	
3	532225- <u>LLLLL</u>	Bar Cap	
LLLLL	LLLLL = Length in inches with 2 decimal places.		
Length	Length Example: Length = 95.25" <u>LLLLL</u> = 09525		

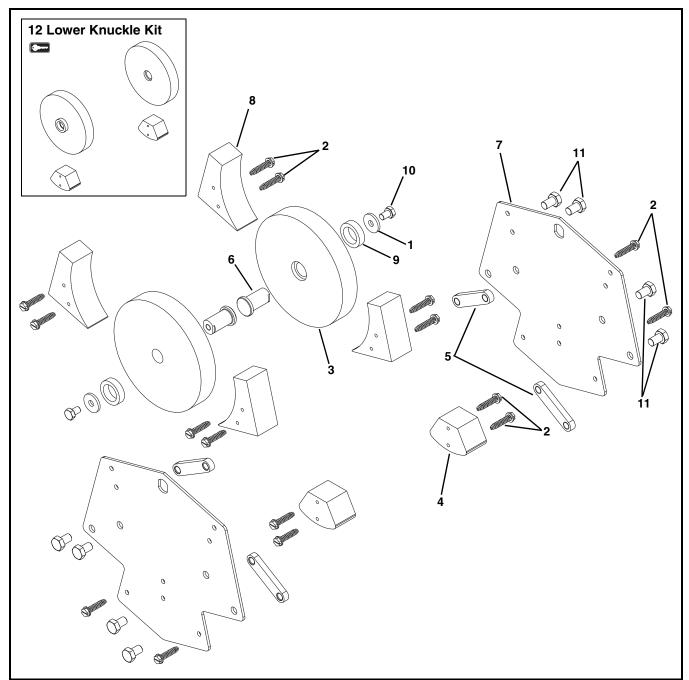
Upper Knuckle



Item	Part Number	Description
1	807-1884	Sheet Metal Screw, #14 x 1.25
2	352326	Inner Belt Return Guide
3	500199	Connector
4	506296	Idler Puck
5	532127- <u>LLLLL</u>	Tube Spacer
6	532305	Spacer
7	532353	Edge Guide Plate
8	532358	Shaft Clamp
9	532361	Bar Cap for Straight Conveyors
10	532376- <u>AA</u>	Side Plate

Item	Part Number	Description	
11	532377- <u>WW</u>	Shaft	
12	960816MSS	Hex Head Cap Screw, M8-1.25 x 16 mm	
13	961016MSS	Hex Head Cap Screw, M10-1.50 x 16 mm	
14	807-1292 Cap		
15 ••••	735UNS- <u>WW</u>	Upper Knuckle Kit for Straight Conveyor (Includes Items 2, 4, 5 and 6)	
$\underline{AA} = A$	<u>AA</u> = Angle 05, 10, 15, 30, 45 or 60		
<u>WW</u> = Conveyor width reference: 08 – 24 in 02 increments			
LLLLL	LLLLL = Length in inches with 2 decimal places.		
Length	Length Example: Length = 95.25" <u>LLLLL</u> = 09525		

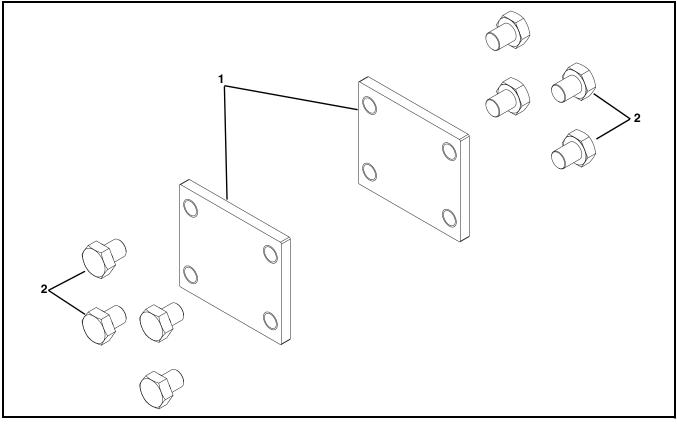
Lower Knuckle



Item	Part Number	Description
1	807-1838	Washer
2	807-1884	Sheet Metal Screw, #14 x 1.25
3	352324	Hold Down Guide
4	352326	Inner Belt Return Guide
5	500199	Connector
6	532351	Stub Shaft
7	532355- <u>AA</u>	Side Plate

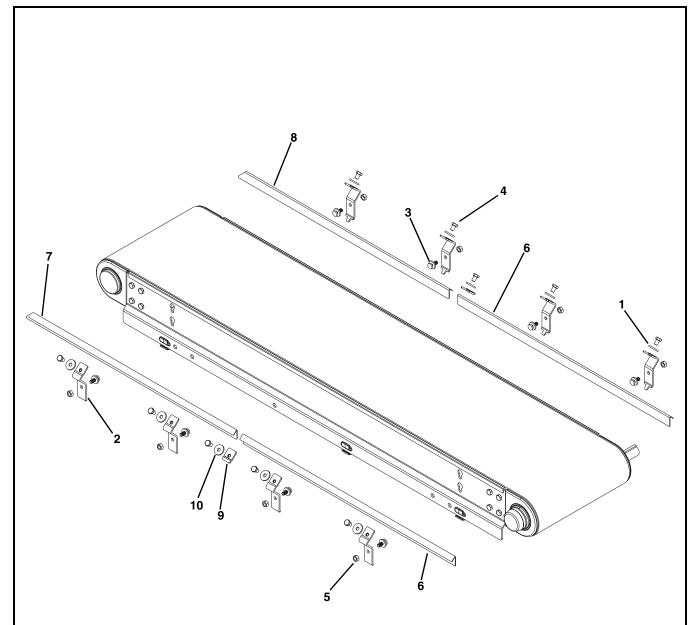
Item	Part Number	Description		
8	532359	Hold Down Roller Guard		
9	532379	Hold Down Roller Spacer		
10	960812MSS	Hex Head Cap Screw, M8-1.25 x 12 mm		
11	961012MSS	Hex Head Cap Screw, M10-1.50 x 12 mm		
12	735LN	Lower Knuckle Kit (Includes Items 3, 4 and 9)		
<u>AA</u> = A	<u>AA</u> = Angle 05, 10, 15, 30, 45 or 60			

Connecting Assembly



Item	Part Number	Description			
1	532157	Connector Plate			
2	961012MSS	Hex Head Cap Screw M10-1.50 x 12mm			

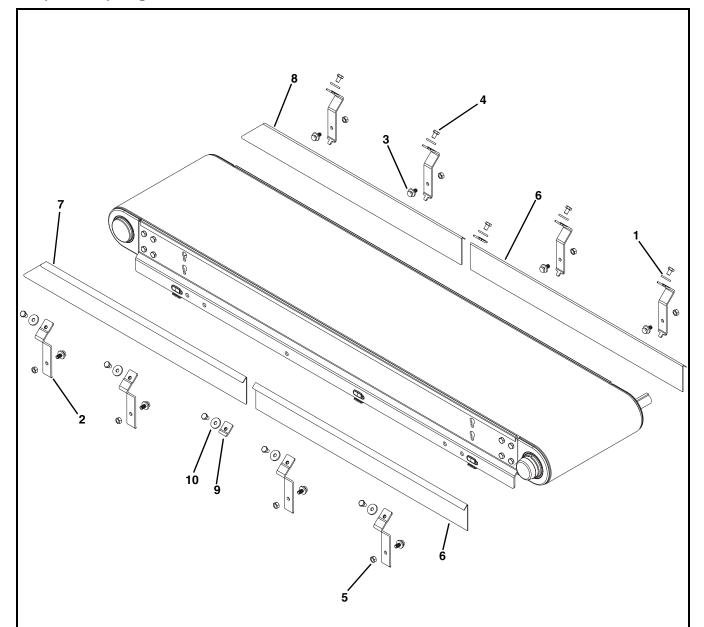
1" (25 mm) High Sides



Item	Part Number	Description			
1	807-1821	Washer			
2	532183	1" Bracket			
3	532191	Carriage Bolt M8 x 20mm			
4	960812M	Hex Head Cap Screw M8-1.25 x 12mm			
5	990801MSS	Hex Nut			
6	532175- <u>LLLLL</u>	Guiding Straight			

Item	Part Number	Description			
7	532176- <u>LLLLL</u>	Guiding Left Hand			
8	532177- <u>LLLLL</u>	Guiding Right Hand			
9	532196	Connecting Clip			
10	807-1838 Washer				
LLLLL = Length in inches with 2 decimal places.					
Length Example: Length = 95.25" LLLLL = 09525					

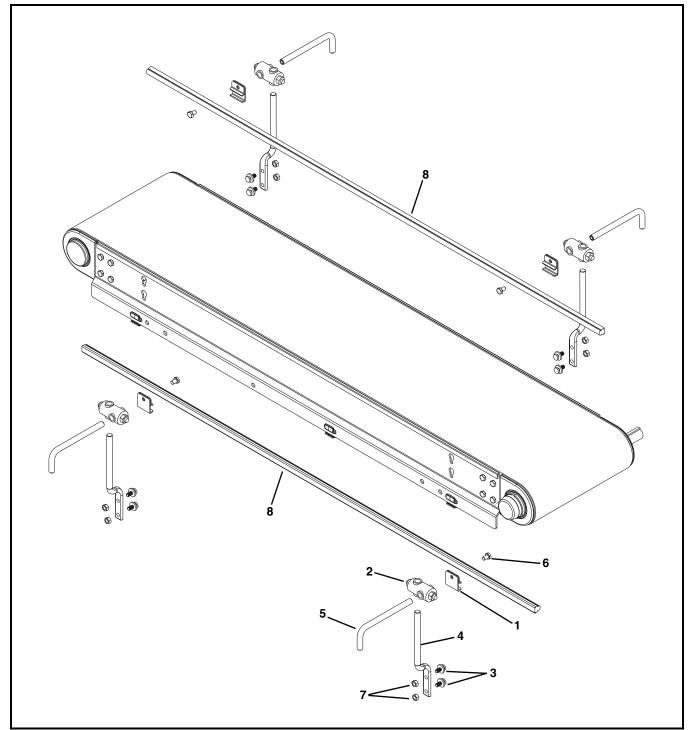
3" (76 mm) High Sides



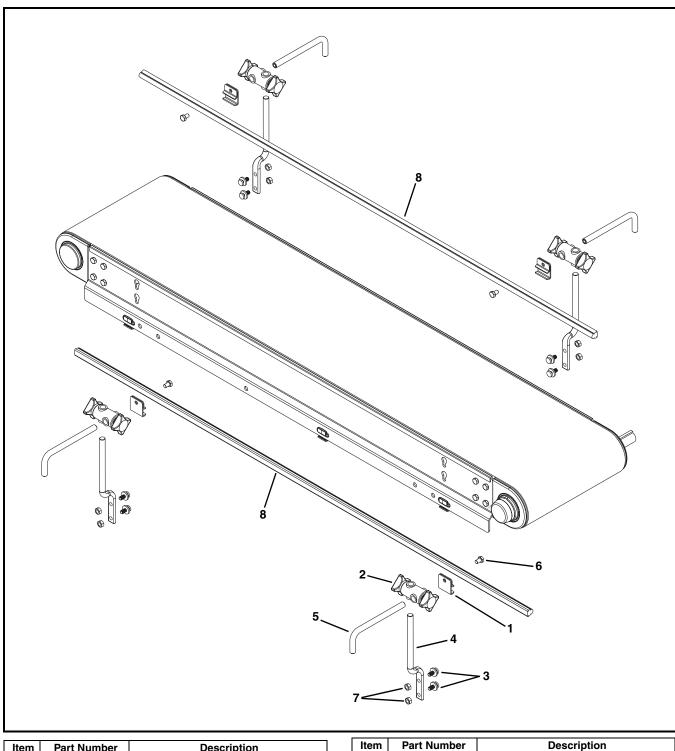
Item	Part Number	Description		
1	807-1821	Washer		
2	532185	3" Bracket		
3	532191	Carriage Bolt M8 x 20mm		
4	960812M	Hex Head Cap Screw M8-1.25 x 12mm		
5	990801MSS	Hex Nut		
6	532172- <u>LLLLL</u>	Guiding Straight		

Item	Part Number	Description			
7	532173- <u>LLLLL</u>	Guiding Left Hand			
8	532174- <u>LLLLL</u>	Guiding Right Hand			
9	532196	Connecting Clip			
10	807-1838	Washer			
LLLLL	LLLLL = Length in inches with 2 decimal places.				
Lengt	Length Example: Length = 95.25" LLLLL = 09525				

Fully Adjustable Round Guides



Item	Part Number	Description	Item	Part Number	Description
1	807-015	Rail Clamp	6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm
2	807-1387	Cross Block Clamp	7	990801MSS	Hex Nut
3	532191	Carriage Bolt M8 x 20mm	8	532167- <u>LLLLL</u>	Round Guide Rail
4	532192	Offset Guide Post	LLLLL = Length in inches with 2 decimal places.		s with 2 decimal places.
5	532300	Post Guide	Length Example: Length = 95.25" LLLLL = 09525		

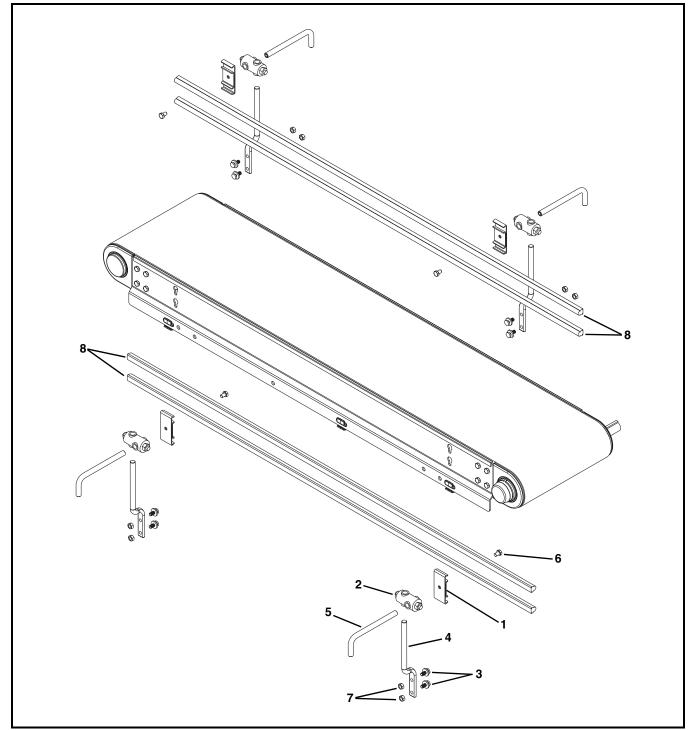


Tool-Less Fully	Adjustable Roun	d Guides
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Item	Part Number	Description		
1	807-015	Rail Clamp		
2	807-1470	Cross Block Clamp		
3	532191	Carriage Bolt M8 x 20mm		
4	532192	Offset Guide Post		
5	532300	Post Guide		

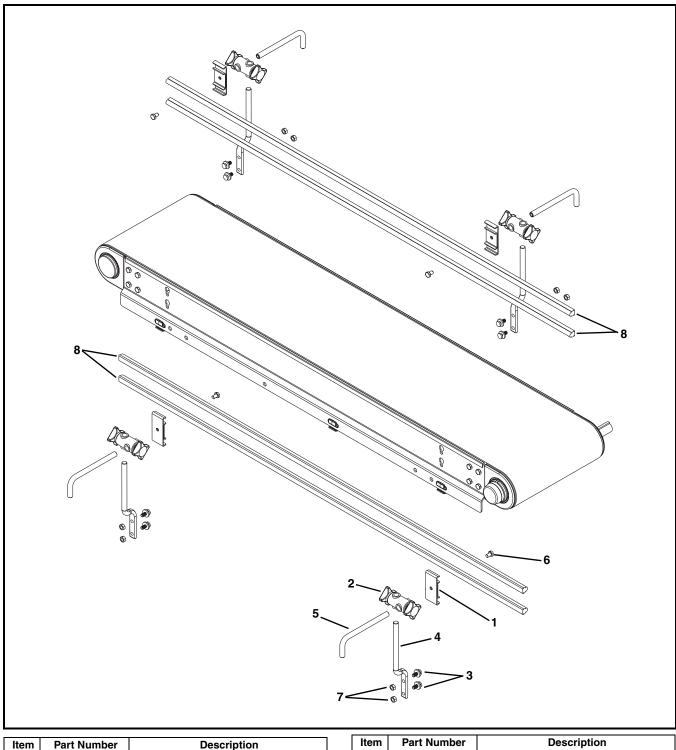
Item	Part Number	Description			
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm			
7	990801MSS	Hex Nut			
8	532167- <u>LLLLL</u>	Round Guide Rail			
LLLLL = Length in inches with 2 decimal places.					
Length Example: Length = 95.25" LLLLL = 09525					

Twin Rail Adjustable Round Guides



Item	Part Number	Description	Item	Part Number	Description
1	901414	Rail Clamp	6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm
2	807-1387	Cross Block Clamp	7	990801MSS	Hex Nut
3	532191	Carriage Bolt M8 x 20mm	8	532167- <u>LLLLL</u>	Round Guide Rail
4	532192	Offset Guide Post	LLLLL = Length in inches with 2 decimal places.		s with 2 decimal places.
5	532300	Post Guide	Length Example: Length = 95.25" LLLLL = 09525		

7350 Series Nose Bar Drive Conveyors

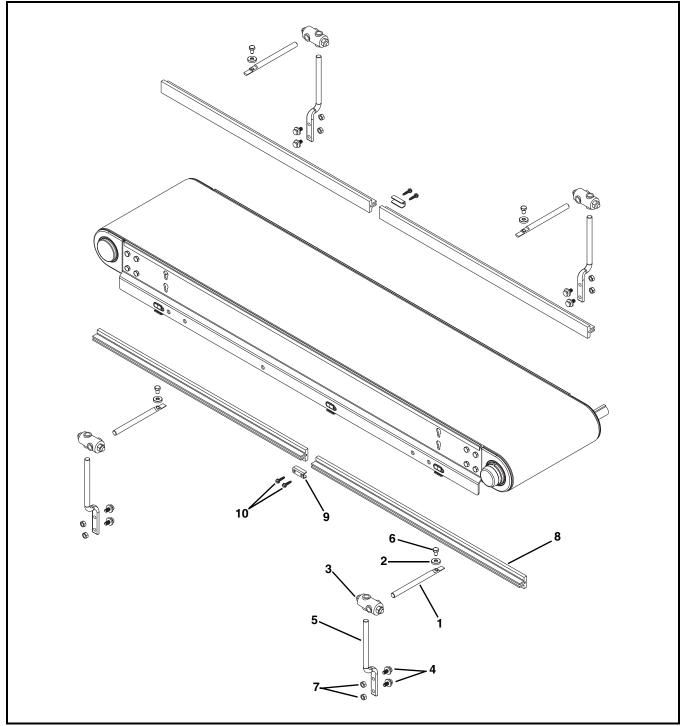


Tool-Less Twin Rail Adjustable Round Guides

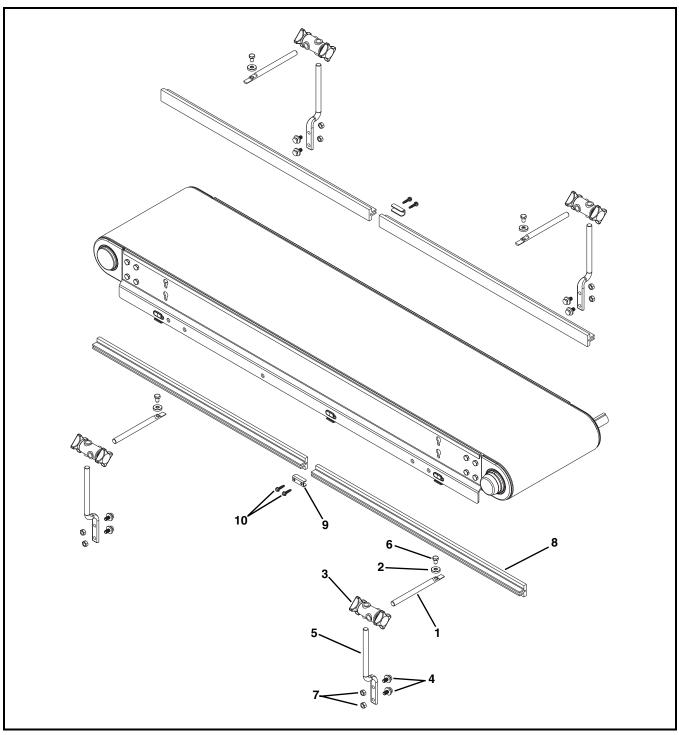
Item	Part Number	Description
1	901414	Rail Clamp
2	807-1470	Cross Block Clamp
3	532191	Carriage Bolt M8 x 20mm
4	532192	Offset Guide Post
5	532300	Post Guide

Item	Part Number	Description
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm
7	990801MSS	Hex Nut
8	532167- <u>LLLLL</u>	Round Guide Rail
LLLLL = Length in inches with 2 decimal places.		
Length Example: Length = 95.25" LLLLL = 09525		

Fully Adjustable 1" (25 mm) Flat Guides



Item	Part Number	Description	Item	Part Number	Description
1	532178	Rod Clamp	7	990801MSS	Hex Nut
2	532179	Washer	8	532170- <u>LLLLL</u>	Round Guide Rail
3	807-1387	Cross Block Clamp	9	532195	Guide Connecting Clip
4	532191	Carriage Bolt M8 x 20mm	10	807-1840	Hex Head Washer Screw
5	532192	Offset Guide Post	LLLL	LLLLL = Length in inches with 2 decimal places.	
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm	Leng	Length Example: Length = 95.25" <u>LLLLL</u> = 09525	

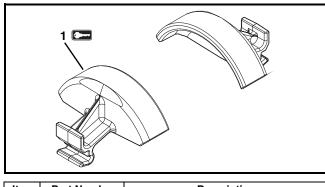


Tool-Less Fully Adjustable 1" (25 mm) Flat Guides

Item	Part Number	Description
1	532178	Rod Clamp
2	532179	Washer
3	807-1470	Cross Block Clamp
4	532191	Carriage Bolt M8 x 20mm
5	532192	Offset Guide Post
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm

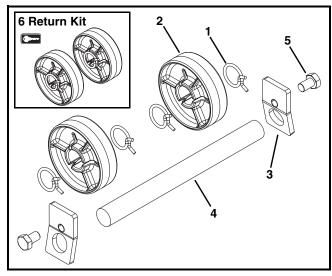
Item	Part Number	Description	
7	990801MSS	Hex Nut	
8	532170- <u>LLLLL</u>	Round Guide Rail	
9	532195	Guide Connecting Clip	
10	807-1840	Hex Head Washer Screw	
LLLLL = Length in inches with 2 decimal places.			
Length Example: Length = 95.25" LLLLL = 09525			

4" (102 mm) - 24" (610 mm) Wide Returns



Item	Part Number	Description
1	532224	Return Shoe

26" (660 mm) - 36" (914 mm) Wide Returns



Item	Part Number	Description	
1	807-1551	Clamp	
2	506296	Return Disk	
3	532307	Return Shaft Bracket	
4	532431- <u>WW</u>	Shaft	
5	961020MSS	Hex Head Cap Screw, M10-1.50 x 20 mm	
6	736RRF- <u>WW</u>	Return Kit (Includes items 1 and 2)	
<u>WW</u> =	<u>WW</u> = Conveyor width reference: 26 – 36 in 02 increments		

Ordering a Replacement Chain

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

Example:

Overall chain length = 42' 5'' (rounded up = 43')

Order: Qty (43) of 52BB-WW

 $\underline{BB} = Chain reference number$

 \underline{WW} = Conveyor width ref: 04-36 in 02 increments

Flat Belt Chain Repair Kit



Item	Part Number	Description
1	52 <u>BB-WW</u>	Flat Belt Chain Repair Kit (Includes 1 ft (305 mm) of flat belt chain and assembly pins)
<u>BB</u> = Chain Reference number		
<u>WW</u> = Conveyor width ref: 04 - 36 in 02 increments		

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.
- 3. Reason for return.
- 4. Customer's original order number used when ordering the item(s).
- 5. Dorner or distributor invoice number (if available, part serial number).

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

Conveyors and conveyor accessories

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

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

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

Dorner has representatives throughout the world. Contact Dorner for the name of your local representative. Our Customer Service Teams 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. 2010

DORNER MFG. CORP.

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