



7350 Series End Drive Curved Conveyors

Installation, Maintenance and Parts Manual



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Introduction

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.

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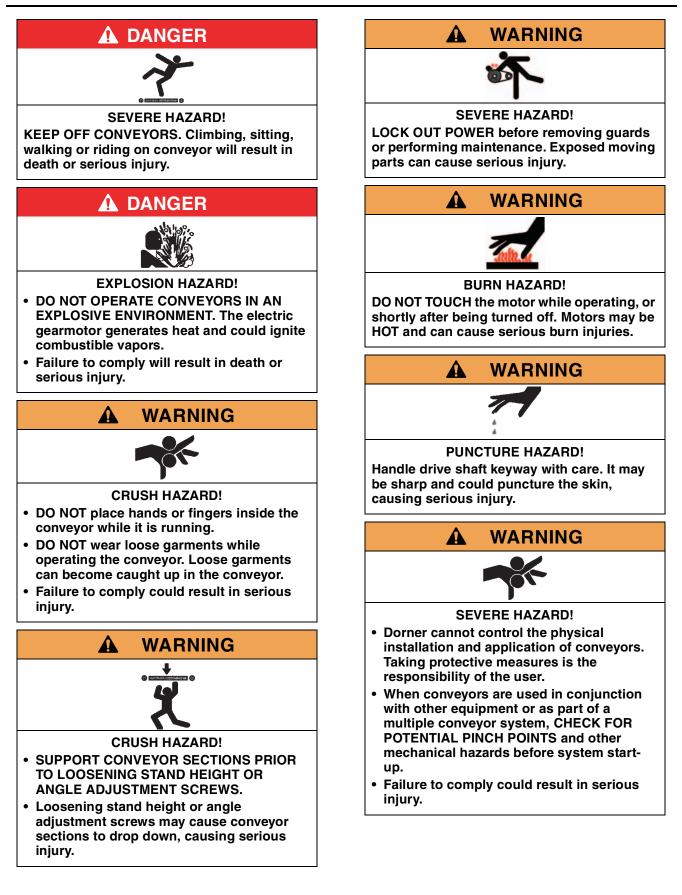
The Dorner Limited Warranty applies.

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

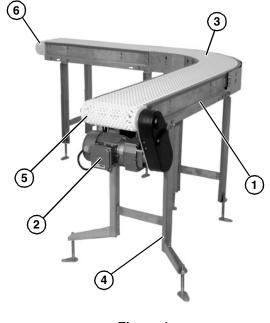


Figure 1

Specifications

Conveyor Width Reference (<u>WW</u>)	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 300 lbs. (136 kg)
Belt Travel	12" (305 mm) per revolution of pulley
Maximum Belt Speed	260 ft/minute (79 m/minute)
Conveyor Length Reference (<u>LLL</u>)	036 – 999 in 001 increments
Conveyor Length	36" (914 mm) - 999" (25.4 m) in 1" (25 mm) increments

IMPORTANT

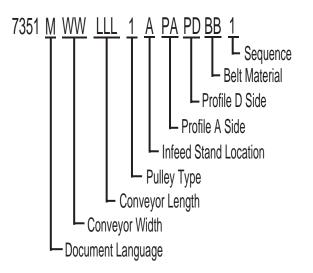
Maximum conveyor loads are based on:

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

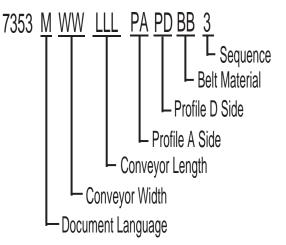
Specifications

7350 Series Curve Conveyor Modules

7350 Series Infeed / Idler Module

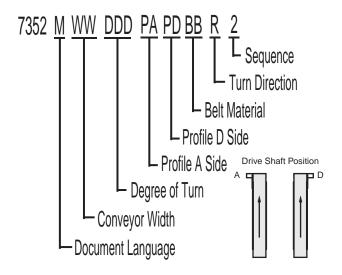


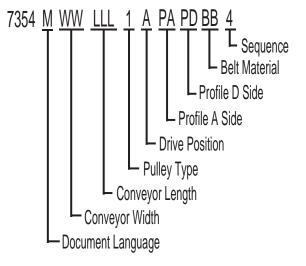
7350 Series Intermediate Module



7350 Series Curve Module

7350 Series Exit / Drive Module

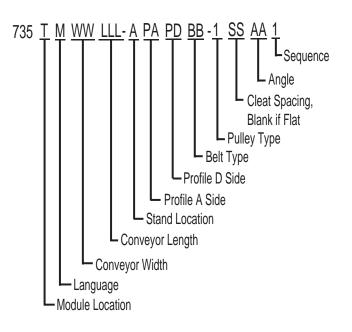




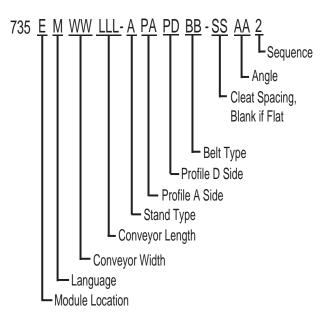
Specifications

7350 Series Z-Frame Conveyor Modules

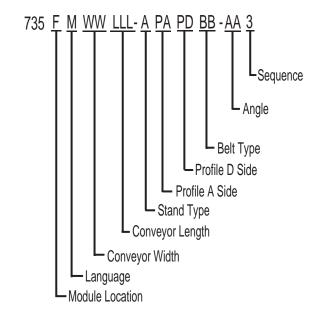
7350 Series Infeed Section to Knuckle



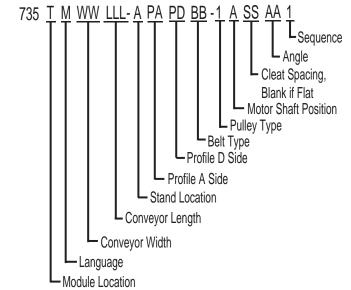
7350 Series Mid Section between two Knuckles



7350 Series Mid Section between Knuckle and Curve



7350 Series Discharge Section from Knuckle



Specifications

Conveyor Supports

Infeed / Idler Module:

- "A" = 30" (762 mm) maximum (See Figure 2)
- Modules 24" 47" long get 1 support stand
- All other lengths get 2 support stands, plus an additional support stand at each straight section break (over 13' straight frame module)

Intermediate Module:

- Modules 24" 59" long get 1 support stand
- All other lengths get 2 support stands, evenly spaced, plus an additional support stand at each straight section break (modules over 13')

Exit / Drive Module:

- "B" = 24" (510 mm) maximum (See Figure 2)
- Modules 24" 47" long get 1 support stand
- All other lengths get 2 support stands, plus an additional support stand at each straight section break (modules over 13')

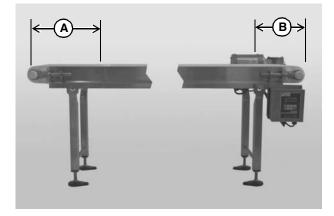


Figure 2

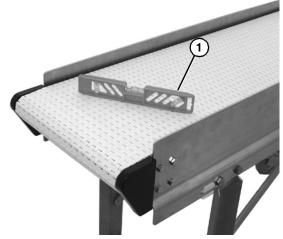
Curve Module:

• Reference chart for support stand quantities (See Figure 3)

Degree/Width	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"	26"	28"	30"	32"	34"	36"
45°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
135°	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
180°	0	0	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3

Figure 3

Conveyor MUST be mounted straight, flat and level within confines of conveyor. Use a level (Figure 4, 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

- Assemble the conveyor (if required). Refer to "Conveyors Longer than 10 ft (3048 mm)" on page 8 or "Belt Installation" on page 12.
- 2. Attach the stands. Refer to "Stand Installation" on page 11.
- 3. Install the belt. Refer to "Belt Installation" on page 12.
- 4. Install the gearmotor. Refer to "Drive Package Installation" on page 15.

Conveyors Longer than 10 ft (3048 mm)

Connecting Components

Typical Connecting Components (Figure 5).

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

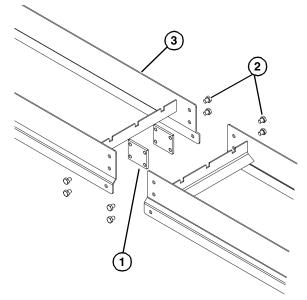


Figure 5

1. Locate and arrange conveyor sections by section labels (Figure 6, item 1).

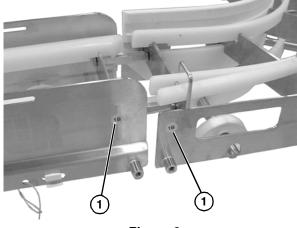


Figure 6

2. Join both conveyor sections, and install plate frame connectors (Figure 5, item 1), and secure with M10x12 hex head cap screws (Figure 5, 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 7, item 1) to frame (Figure 7, item 2) by using two cap screws (Figure 7, item 3) and connector plate (Figure 8, item 1) on each side of conveyor.

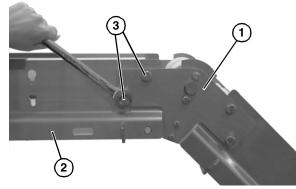


Figure 7

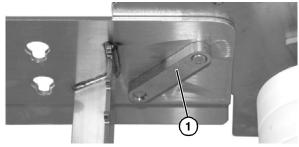
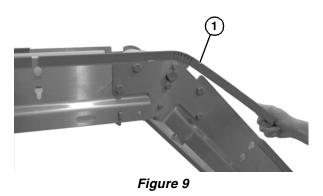


Figure 8

2. Attach bar cap (Figure 9, item 1) to frame and knuckle.



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

Lower Knuckle

 Attach lower knuckle (Figure 10, item 1) to frame (Figure 10, item 2) by using two cap screws (Figure 10, item 3) and connector plate (Figure 11, item 1) on each side of conveyor.

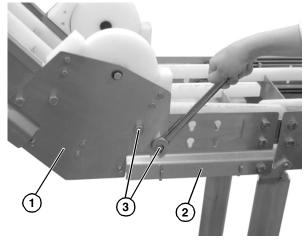


Figure 10

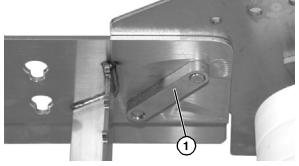


Figure 11

- 2. Tighten all cap screws to 60 in-lb (7 Nm).
- 3. Secure belt returns to lower knuckle with cap screw (Figure 12, item 1).

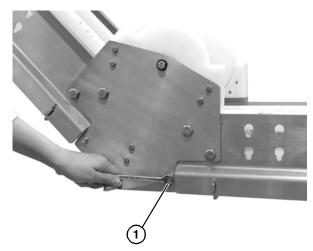


Figure 12

All Conveyors

Curve Connecting Components

Typical Curve Connecting Components (Figure 13)

- 1 Straight Section
- 2 Offset Connecting Plate (x2)
- 3 Curved Section
- 4 Hex Head Cap Screw M10-1.50 x 12mm (x4)

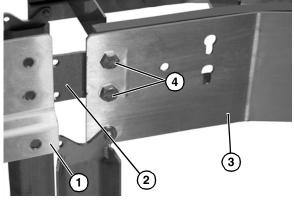


Figure 13

 For joining curved to straight sections, install offset connecting plates onto curved section (Figure 14, item 1) with four hex head bolts (Figure 14, item 2) with heads of bolts outside of curved section.

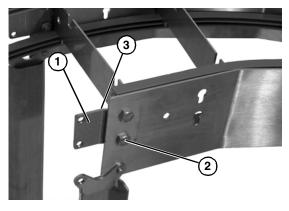


Figure 14

- 2. Ensure that the offset of connecting plates is to the inside of curved section (Figure 14, item 3).
- When securing straight section to curved section on inside curve (Figure 15, item 1) make sure offset plate is to the inside of straight section (Figure 15, item 2).

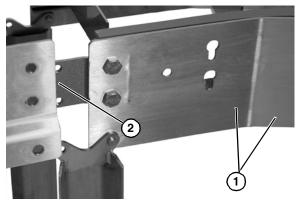


Figure 15

4. Secure straight section (Figure 16, item 1) onto curved section with two hex head bolts (Figure 16, item 2) with bolt heads to the outside as shown.

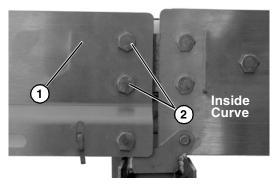


Figure 16

 When securing straight section to curved section on outside curve (Figure 17, item 1) make sure offset plate (Figure 17, item 2) is to the outside of straight section.

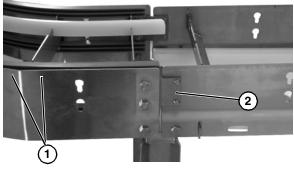


Figure 17

851-678 Rev. G

Secure straight section (Figure 18, item 1) onto curved section with two hex head bolts (Figure 18, item 2) with bolt heads to the inside as shown.

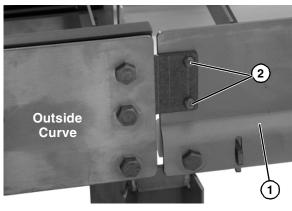


Figure 18

7. Tighten all hardware.

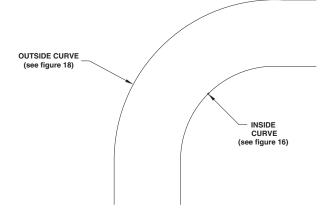


Figure 19

Stand Installation

NOTE

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

Typical stand components (Figure 20)

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

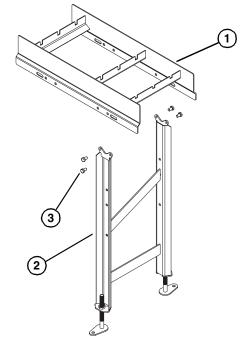


Figure 20

- 1. Position the stands on a flat, level surface.
- 2. Attach the stands to the frame (Figure 21, item 1).

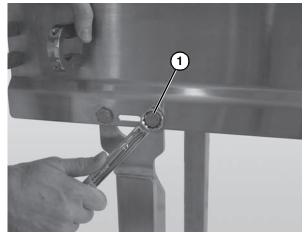


Figure 21

Belt Installation

Typical Belt Components (Figure 22)

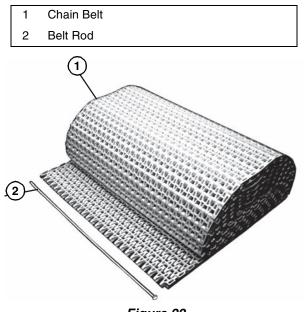


Figure 22

1. Position the belt on the conveyor frame (**Figure 23**).



Figure 23

 Orient the belt direction such that the pin heads (Figure 24, item 1) are on the outside of the belt radius (Figure 24, item 2). The straight portion on the pin (Figure 24, item 3) will be on the inside radius.

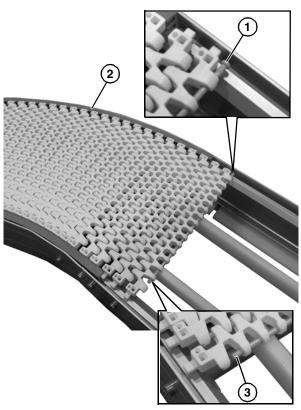


Figure 24

NOTE

For "S" shaped conveyors, the pin heads must be oriented on the outside of the belt radius on the exiting or last curve on the conveyor.

- 3. Wrap belt around idler tail.
- 4. Feed the ends of the belt through the top and bottom of the curved frame sections (**Figure 25**).



Figure 25

5. Be sure belt tabs are seated in the lower channel of bottom belt guide (**Figure 26, item 1**) and upper channel of top belt guide (**Figure 26, item 2**).

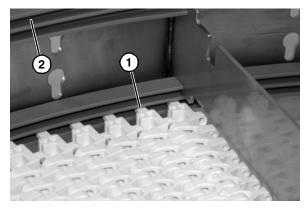


Figure 26

6. When feeding belt through straight section, be sure belt tabs ride on top lip of belt return (**Figure 27, item 1**).

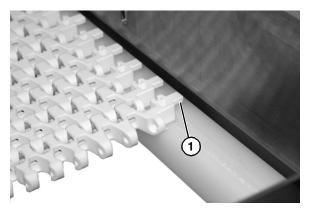


Figure 27

7. Wrap the belt around the drive end of the conveyor, making sure the sprocket teeth have engaged the belt, with concave teeth (**Figure 28, item 1**) mating with rounded section (**Figure 28, item 2**) of belt.

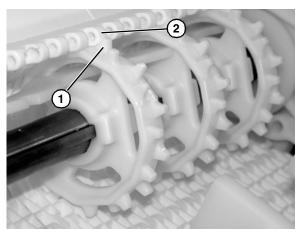


Figure 28

8. For Z-Frame conveyors, guide the belt under the hold down guides (**Figure 29, item 1**) in the lower knuckle.

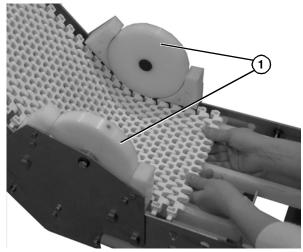


Figure 29

9. Bring the ends of the belt together (Figure 30).

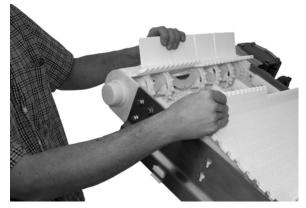
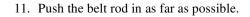


Figure 30

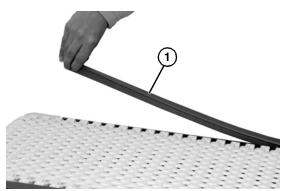
10. Insert the belt rod (Figure 31, item 1).



Figure 31



- 12. Lightly tap the head of the rod with a hammer until it snaps into position.
- 13. Install the top bar caps (**Figure 32, item 1**) on the conveyor frame with wide lip facing up to cover the belt tabs.







proper orientation will result in a belt pinch point. Exposed moving parts can cause serious injury.

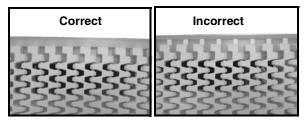


Figure 33

NOTE

Top wear strips are left loose to facilitate ease of belt installation and/or removal.

Belt Returns

1. Install belt return mounting bracket (Figure 34, item 1) into slotted frame hole (Figure 34, item 2).

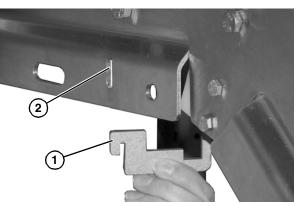
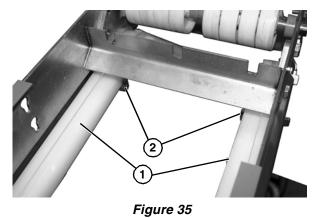


Figure 34

2. Install belt return (Figure 35, item 1) onto mounting bracket (Figure 35, item 2).



3. Verify that belt returns are mounted correctly by following graphic below (**Figure 36**) shows incorrect mounting and (**Figure 37**) shows correct mounting.



Figure 36



Figure 37

Guide Installation

1. Insert carriage bolts with spacers (**Figure 38, item 1**) into slotted holes in conveyor side.

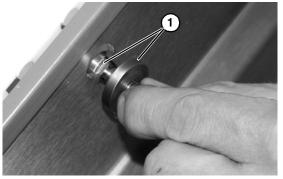


Figure 38

2. Attach the guide mounting brackets (Figure 39, item 1) to the conveyor with hex nuts (Figure 39, item 2). Hand tighten only at this time.

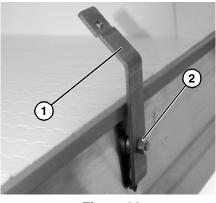


Figure 39

 Attach guide (Figure 40, item 1) to the mounting brackets with hex bolts and spacers (Figure 40, item 2). Hand tighten only at this time.

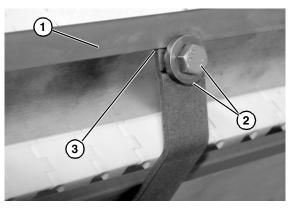


Figure 40

4. Ensure that nose of bracket slips under the lip of guide (Figure 40, item 3).

NOTE

When installing guides, be sure that the angled end of guide is installed on the idler end of conveyor (**Figure 41, item 1**).

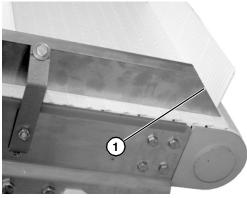


Figure 41

5. Tighten all mounting hardware.

Drive Package Installation

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

- 851-679 Side Mount 90° Drive Package
- 851-681 Bottom Mount 90° Drive Package
- 851-682 Bottom Mount Parallel Shaft Drive Package
- 1. Attach the motor (Figure 42, item 1) to the gear reducer (Figure 42, item 2).

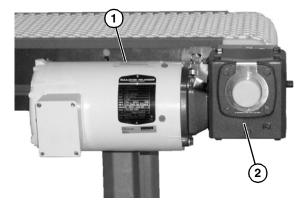


Figure 42

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 26 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 43, item 1) when required.

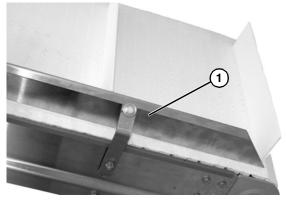


Figure 43

2. Use a punch and hammer to push the belt rod out by striking the rod end opposite the retaining head (**Figure 44**).



Figure 44

- 3. Slide the old belt off the conveyor frame.
- 4. Replace the old belt with a new one. Refer to "Belt Installation" on page 12.

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

Conveyor Belt Tensioning



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.

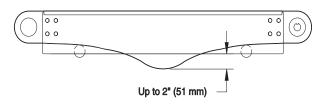


Figure 45



Belt sag should not exceed 2" (51 mm) from the bottom of the conveyor frame (Figure 45).

Wear Strips

Replace the wear strips if they become worn.

Typical Standard Wear Strips (Figure 46)

- 1 Bar Cap
- 2 Wear Strips, Bed Frame

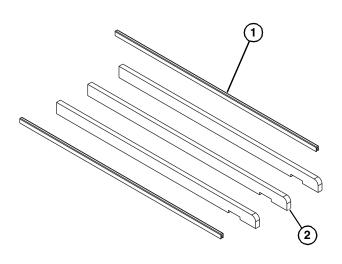


Figure 46

Bar Cap Replacement

1. Remove worn bar cap (Figure 47, item 1) by lifting off of conveyor side rail.





2. Replace with new bar cap.

Wear Strip Removal

- 1. Remove conveyor belt. See "Conveyor Belt Replacement" on page 17.
- 2. Remove worn wear strips (Figure 48, item 1) from frame notches.

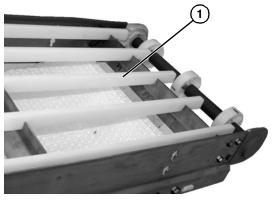


Figure 48

3. Remove curved wear strips from frame notches (Figure 49, item 1) when worn.

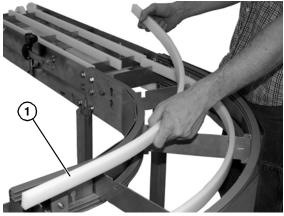


Figure 49

4. Replace with new wear strips.

Belt Guides

Open conveyor belt. See "Conveyor Belt Replacement" on page 17.

Removal

 Remove the hex head bolt (Figure 50, item 1) retaining the wear strip support bracket (Figure 50, item 2) from both ends of curve conveyor (for conveyors 4" - 10" wide only).

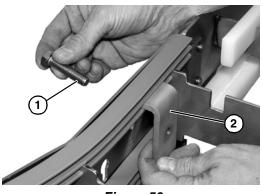


Figure 50

 Remove two hex head bolts (Figure 51, item 1) holding straight section frame to section connecting bracket (Figure 51, item 2). Repeat on opposite side.

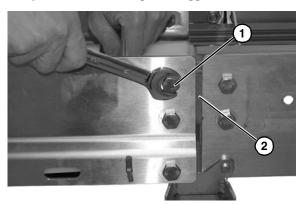


Figure 51

 Remove hex head bolt (Figure 52, item 1) holding straight section frame to conveyor stand (Figure 52, item 2). Repeat on opposite side.

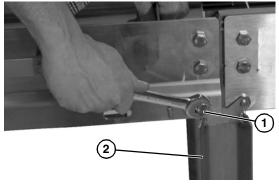


Figure 52

 Lift up on straight section (Figure 53, item 1) and remove from curve section and conveyor stand (Figure 53, item 2). Be sure to support free end of straight section once removed.

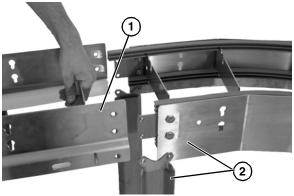


Figure 53

5. Slide off inner (Figure 54, item 1) and outer (Figure 54, item 2) belt guides.

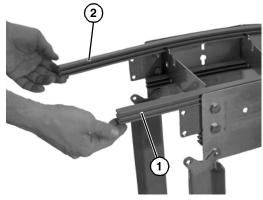


Figure 54

6. Replace with new belt guides.

Drive Sprocket and Spindle Replacement



- 1. Remove the gearmotor. For detailed instructions, refer to the appropriate drive package manual.
- 2. Open conveyor belt. See "Conveyor Belt Replacement" on page 17.
- Remove bearing cover (Figure 55, item 1). 3.



Remove the four head plate bolts (Figure 56, item 1) on 4. both sides of the conveyor.

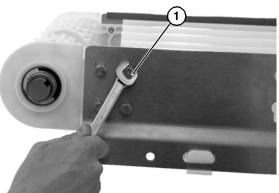


Figure 56

Remove tail assembly. 5.

6. Loosen set screws (Figure 57, item 1).

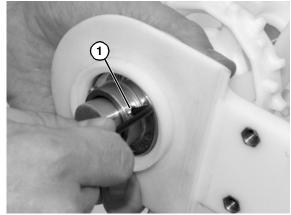


Figure 57

Slide the head plate with bearing (Figure 58, item 1) off 7. the shaft.

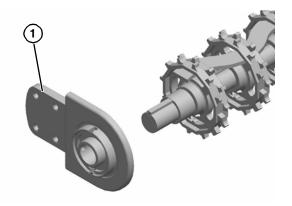


Figure 58

Slide off drive sprocket spacer (Figure 59, item 1). 8.

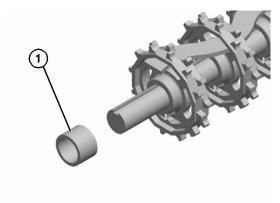
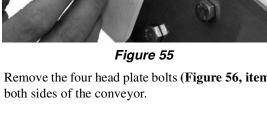
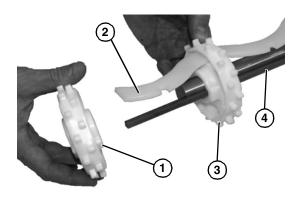


Figure 59



9. Slide entire sprocket assembly slightly outward, and remove the first sprocket (**Figure 60, item 1**) off the drive spindle and alignment bar. (**Figure 60, item 2**).



2. Remove four head plate bolts (**Figure 61, item 1**). Repeat on opposite side.

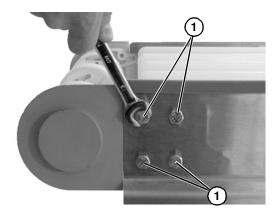


Figure 61

3. Remove idler tail assembly (Figure 62, item 1).

Figure 60

10. Remove remaining sprockets (**Figure 60, item 3**) off the alignment bar as you slide entire assembly off the drive spindle (**Figure 60, item 4**).

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 17.

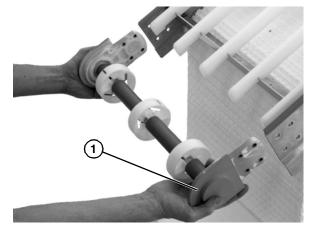
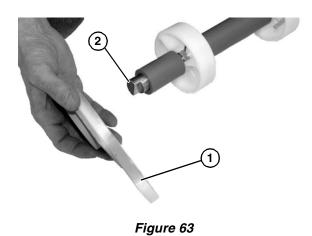


Figure 62

4. Slide off idler head plate (Figure 63, item 1) from shaft (Figure 63, item 2).



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5. Slide off the round puck spacer (Figure 64, item 1).

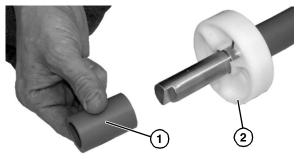


Figure 64

- 6. Slide off puck and replace (Figure 64, item 2).
- 7. Repeat as needed.

Bearing Replacement



Drive Bearing Removal and Replacement



- 1. See "Drive Sprocket and Spindle Replacement" on page 20. Follow steps 1 through 7.
- 2. Twist the bearing out (Figure 65, item 1).

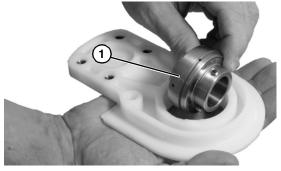


Figure 65

3. Replace bearing.

Maintenance of Knuckles

Lower Knuckle

- 1. Remove belt. See "Conveyor Belt Replacement" on page 17.
- 2. Remove two cap screws (**Figure 66, item 1**) on each side of the knuckle and remove the hold down roller guards (**Figure 66, item 2**). Repeat on opposite side of the conveyor.

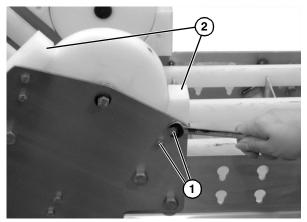


Figure 66

3. Remove the cap screw (**Figure 67, item 1**) and the hold down roller (**Figure 67, item 2**). Repeat on opposite side of the conveyor.

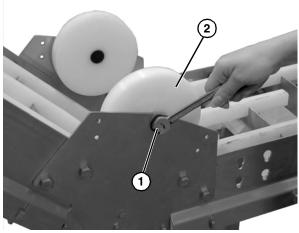


Figure 67

4. Remove two cap screws (Figure 68, item 1) and the inner belt return guide (Figure 69, item 1). Repeat on opposite side of the conveyor.

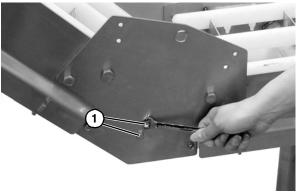


Figure 68

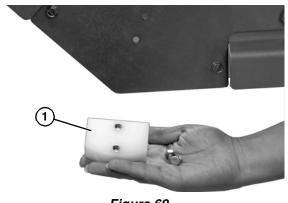


Figure 69

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

Upper Knuckle

- 1. Remove belt. See "Conveyor Belt Replacement" on page 17.
- 2. Remove cap screw (Figure 70, item 1) and edge guide plate (Figure 70, item 2) from each side of the conveyor.

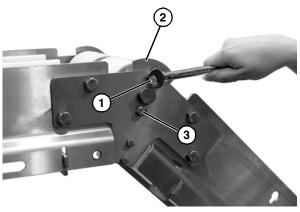


Figure 70

3. Remove the cap screw (**Figure 70, item 3**) and shaft clamp (**Figure 71, item 1**) from each side of the conveyor.

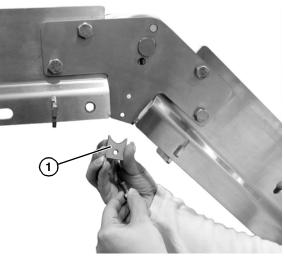
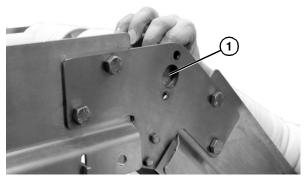


Figure 71

4. Slide shaft (Figure 72, item 1) inwards to remove from knuckle frame (Figure 73, item 1).





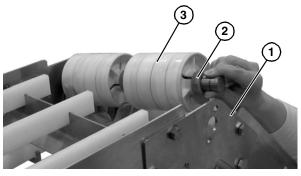


Figure 73

NOTE

Spacer (Figure 73, item 2) and pucks (Figure 73, item 3) are loose and can slide off the shaft.

- Remove spacer (Figure 74, item 1), rollers (Figure 74, item 2) and tube spacers (Figure 74, item 3) from shaft.

Figure 74

 Remove two cap screws (Figure 75, item 1) and inner belt return guide (Figure 76, item 1). Repeat on opposite side of the conveyor.

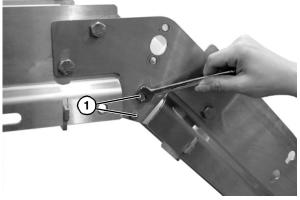


Figure 75

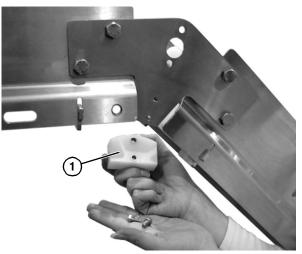


Figure 76

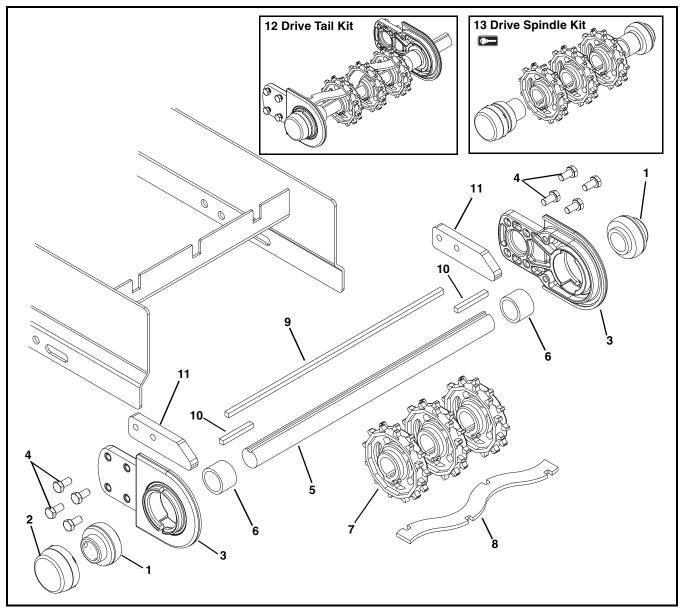
- 7. Replace parts as necessary.
- 8. Install parts reverse of removal.

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	735BK	Bearing Kit (Qty. 2)
2*	807-1454	Bearing Cap
3	532013	Headplate
4	960816MSS	Hex Head Cap Screw M8-1.25 x
		16mm
5	See Drive Spindle	Spindle
	Chart	
6	532251- <u>LLLLL</u>	Sprocket Spacer
7	807-1754	Sprocket
8	532124- <u>WW</u>	Sprocket Alignment Bar
		(for 10" - 36" wide only
9	532121- <u>LLLLL</u>	Square Key
10	912-110SS	Square Key
11	532398	Shoe (for 4" - 16" wide only)

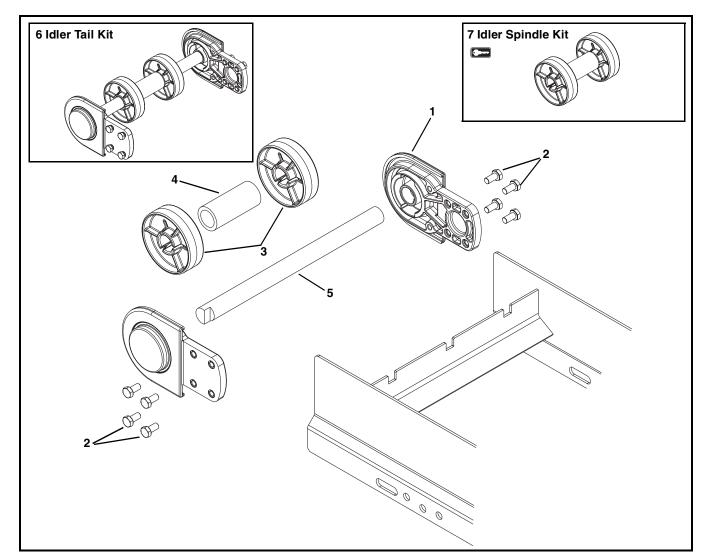
Item	Part Number	Description					
12		Drive Tail Kit for Bottom Mount					
12	735CBDT- <u>WW</u>	(Includes items 1 through 11)					
	735CSDT-WW	Drive Tail Kit for Side Mount					
	735CSD1- <u>WW</u>	(Includes items 1 through 11)					
	735CDBDT- <u>WW</u>	Drive Tail Kit for Bottom Mount, with Double Output Shafts (Includes items 1 through 11)					
	735CDSDT- <u>WW</u>	Drive Tail Kit for Side Mount, with Double Output Shafts (Includes items 1 through 11)					
	735UCSDT- <u>WW</u>	CE Drive Tail Kit for Side Mount, (Includes items 1 through 11)					
	735UCDSDT- <u>WW</u>	CE Drive Tail Kit for Side Mount, with Double Output Shafts (Includes items 1 through 11)					
13	735CDT- <u>WW</u>	Drive Spindle Kit (Includes items 1, 2, 6, and 7)					
<u>WW</u> =	<u>WW</u> = Conveyor width reference: 04 - 36 in 02 increments						
LLLLL	LLLLL = Part length in inches with 2 decimal places.						
Exam	ple: Part Length = 95.	25" <u>LLLLL</u> = 09525					
* Not a	available with double o	utput shafts					

	Drive Spindle Chart - US Gearmotor Version								
Conveyor Width	Bottom Mount	Side Mount	Bottom Mount with Double Output Shaft	Side Mount with Double Output Shaft					
4"	532113-00824	532232-01425	532113-00980	532232-01581					
6"	532113-01024	532232-01625	532113-01180	532232-01781					
8"	532113-01212	532232-01813	532113-01368	532232-01969					
10"	532113-01413	532232-02014	532113-01569	532232-02170					
12"	532113-01602	532232-02203	532113-01758	532232-02359					
14"	532113-01799	532232-02400	532113-01955	532232-02556					
16"	532113-01996	532232-02597	532113-02152	532232-02753					
18"	532113-02190	532232-02791	532113-02346	532232-02947					
20"	532113-02387	532232-02988	532113-02543	532232-03144					
22"	532113-02583	532232-03184	532113-02739	532232-03340					
24"	532113-02780	532232-03381	532113-02936	532232-03537					
26"	532113-02973	532232-03574	532113-03129	532232-03730					
28"	532113-03170	532232-03771	532113-03326	532232-03927					
30"	532113-03364	532232-03965	532113-03520	532232-04121					
32"	532113-03561	532232-04162	532113-03717	532232-04318					
34"	532113-03757	532232-04358	532113-03913	532232-04514					
36"	532113-03954	532232-04555	532113-04110	532232-04711					

	Drive Spindle Chart - CE Gearmotor Version								
Conveyor Width	Bottom Mount	Side Mount	Bottom Mount with Double Output Shaft	Side Mount with Double Output Shaft					
4"	532113-00824	532291-01228	532113-00980	532291-01384					
6"	532113-01024	532291-01428	532113-01180	532291-01584					
8"	532113-01212	532291-01616	532113-01368	532291-01772					
10"	532113-01413	532291-01817	532113-01569	532291-01973					
12"	532113-01602	532291-02006	532113-01758	532291-02162					
14"	532113-01799	532291-02203	532113-01955	532291-02359					
16"	532113-01996	532291-02400	532113-02152	532291-02556					
18"	532113-02190	532291-02594	532113-02346	532291-02750					
20"	532113-02387	532291-02791	532113-02543	532291-02947					
22"	532113-02583	532291-02987	532113-02739	532291-03143					
24"	532113-02780	532291-03184	532113-02936	532291-03340					
26"	532113-02973	532291-03377	532113-03129	532291-03533					
28"	532113-03170	532291-03574	532113-03326	532291-03730					
30"	532113-03364	532291-03768	532113-03520	532291-03924					
32"	532113-03561	532291-03965	532113-03717	532291-04121					
34"	532113-03757	532291-04161	532113-03913	532291-04317					
36"	532113-03954	532291-04358	532113-04110	532291-04514					

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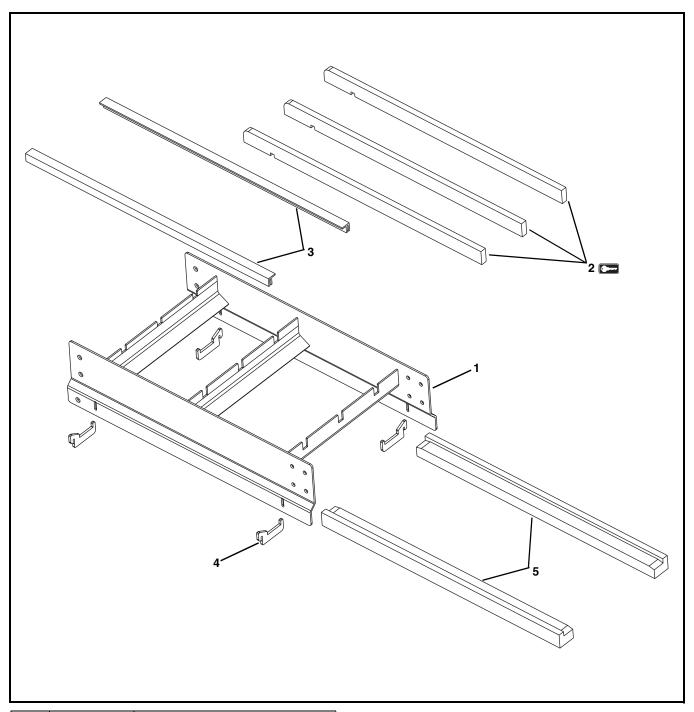
Idler End Components



Item	Part Number	Description				
1	532014	Headplate Assembly				
2	960816M	Hex Head Cap Screw M8-1.25 x 16mm				
3	506296	Idler Puck				
4	532127- <u>LLLLL</u>	Tube Spacer				
5	See Idler Spindle Chart	Spindle				
6	735CIT- <u>WW</u>	Idler Tail Kit (Includes items 1 through 5)				
7	735CIS- <u>WW</u>	Idler Spindle Kit (Includes items 3 and 4)				
<u>WW</u> =	WW = Conveyor width reference: 04 - 36 in 02 increments					
LLLLL	LLLLL = Part length in inches with 2 decimal places.					
Exam	ple: Part Length =	95.25" <u>LLLLL</u> = 09525				

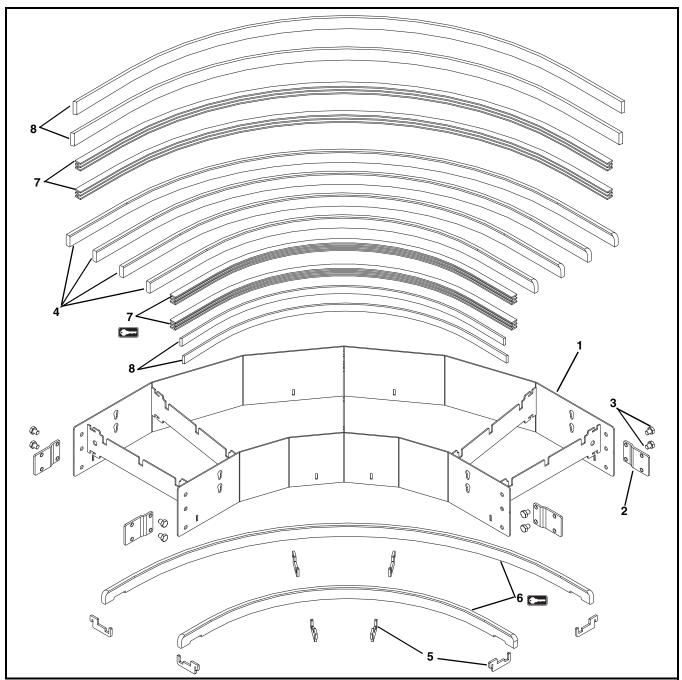
Idler Spindle Chart					
Conveyor Width	Spindle				
4"	532118-00493				
6"	532118-00693				
8"	532118-00881				
10"	532118-01082				
12"	532118-01271				
14"	532118-01468				
16"	532118-01665				
18"	532118-01859				
20"	532118-02056				
22"	532118-02252				
24"	532118-02449				
26"	532118-02642				
28"	532118-02839				
30"	532118-03033				
32"	532118-03230				
34"	532118-03426				
36"	532118-03623				

Frame Assembly



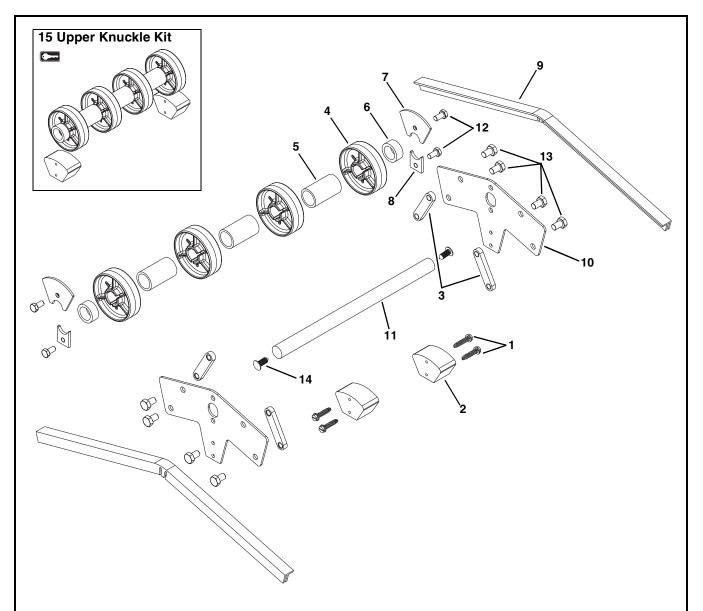
Item	Part Number	Description				
1		Consult Factory for Frame Part Number				
2	532223- <u>LLLLL</u>	Wear Strip				
3	532226- <u>LLLLL</u>	Bar Cap "F"				
4	532152- <u>LLLLL</u>	Return Support				
5	532304- <u>LLLLL</u>	Return Strip				
LLLLL = Length in inches with 2 decimal places.						
Length	Length Example: Length = 95.25" LLLLL = 09525					

Curve Conveyor Frame and Wear Strips



Item	Part Number	Description	Item	Part Number	Description
1		Consult Factory for Frame Part Number	6	532162- <u>LLLLL</u>	Wear Strips for Returns
2	532158	Connecting Plate for Straight to Curve			
		Sections	7	532163- <u>LLLLL</u>	, , ,
	532157	Connecting Plate for Curve to Curve			wide
		Sections		532164- <u>LLLLL</u>	
3	961012MSS	Hex Head Cap Screw M10-1.50 x 12mm			and wider
4	532162- <u>LLLLL</u>	Wear Strip (Qty. Varies)	8	532168- <u>LLLLL</u>	
5	532152	Return Support for Conveyors 4" - 20" wide		9	hes with 2 decimal places.
	532153	Return Support for	Leng	th Example: Leng	95.25" <u>LLLLL</u> = 09525
		Conveyors 22" - 36" wide			
'	532154	Return Support for Conveyors 26" or wider			

Upper Knuckle

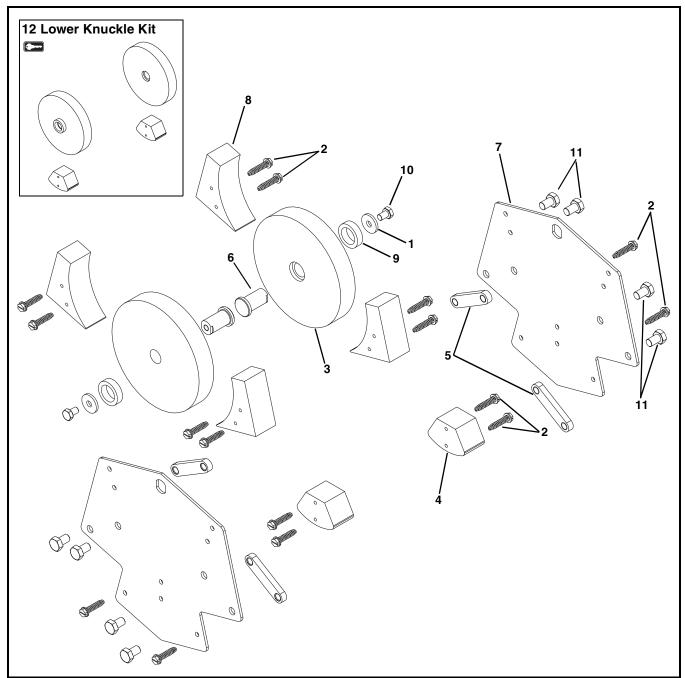


Item	Part Number	Description
1	807-1884	Sheet Metal Screw, #14 x 1.25
2	352326	Inner Belt Return Guide
3	500199	Connector
4	506296	Idler Puck
5	532127- <u>LLLLL</u>	Tube Spacer
6	532305	Spacer
7	532353	Edge Guide Plate
8	532358	Shaft Clamp
9	532360	Bar Cap
10	532376- <u>AA</u>	Side Plate

Item	Part Number	Description			
11	532378- <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	Сар			
15	735UNS- <u>WW</u>	Upper Knuckle Kit			
•		for Straight Conveyor			
		(Includes Items 2, 4, 5 and 6)			
	735UNC- <u>WW</u>	Upper Knuckle Kit for Curve Conveyor			
		(Includes Items 2, 4, 5 and 6)			
<u>AA</u> = A	Angle 05, 10, 15, 30	0, 45 or 60			
<u>WW</u> =	WW = Conveyor width reference: 08 - 24 in 02 increments				
LLLLL	LLLLL = Length in inches with 2 decimal places.				
Length	n Example: Length	= 95.25" <u>LLLLL</u> = 09525			

7350 Series End Drive Curved Conveyors

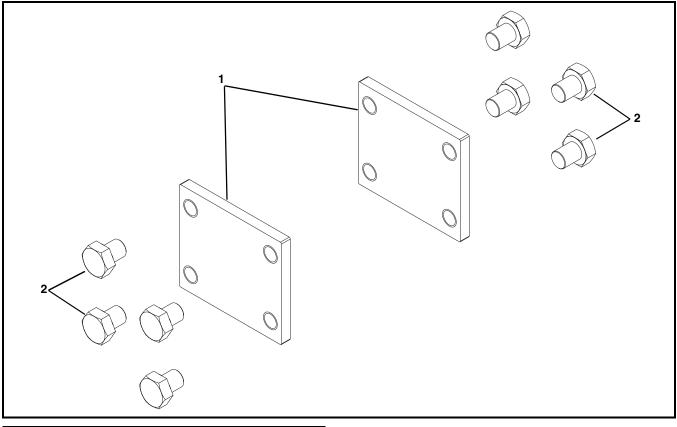
Lower Knuckle



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

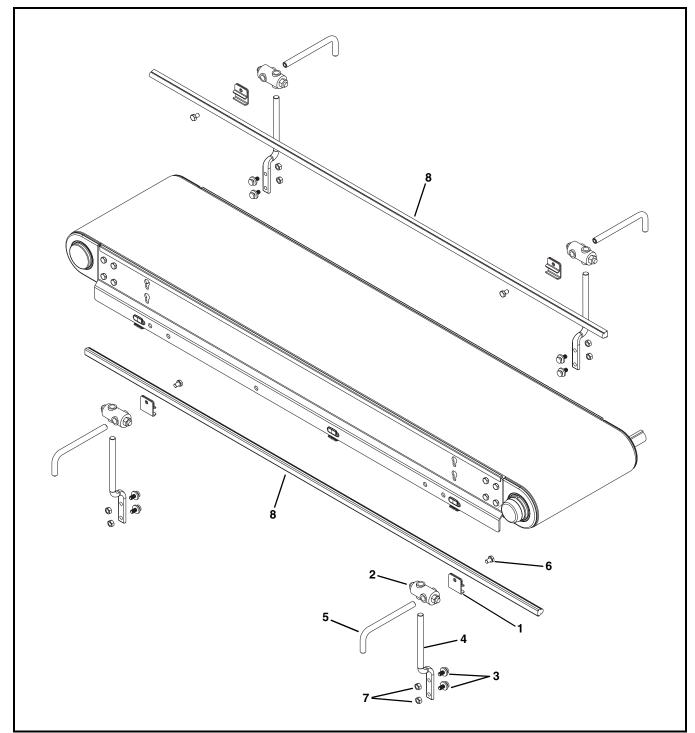
Item	Part Number	Description			
8	532359	Hold Down Roller Guard			
9	532379	Hold Down Roller Spacer			
10	960812MSS	Hex Head Cap Screw, M8-1.25 x 12 mm			
11	961012MSS	Hex Head Cap Screw, M10-1.50 x 12 mm			
12	735LN	Lower Knuckle Kit (Includes Items 3, 4 and 9)			
<u>AA</u> = A	<u>AA</u> = Angle 05,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

Connecting Assembly



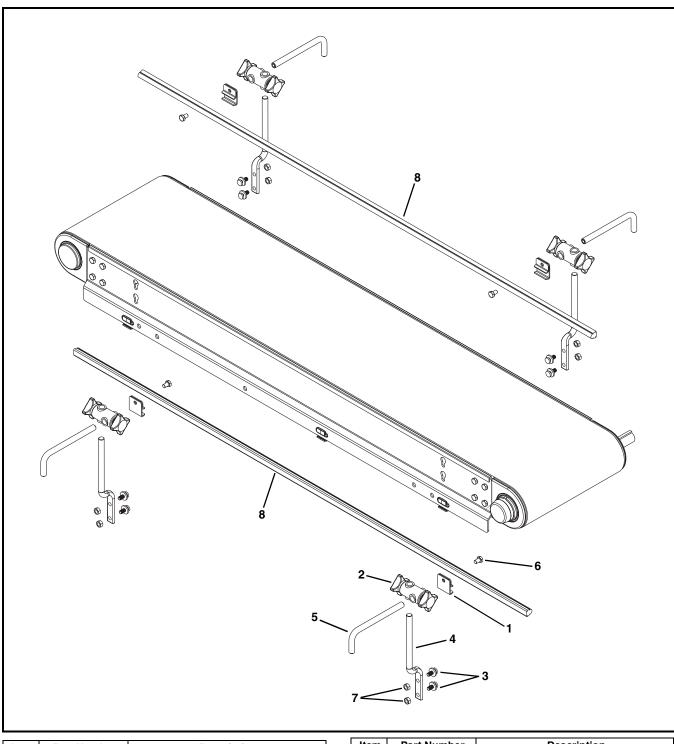
Item	Part Number	Description	
1	532157	Connector Plate	
2	961012MSS	Hex Head Cap Screw M10-1.50 x 12mm	

Fully Adjustable Round Guides



Item	Part Number	Description	Item	Part Number	Description
1	807-015	Rail Clamp	7	990801MSS	Hex Nut
2	807-1387	Cross Block Clamp	8	532167- <u>LLLLL</u>	Round Guide Rail for Straight Conveyor
3	532191	Carriage Bolt M8 x 20mm			Section
4	532192	Offset Guide Post		532258- <u>LLLLL</u>	Round Guide Rail for Curve Conveyor
5	532300	Post Guide		Lanath in in sha	Section
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm	<u>LLLLL</u> = Length in inches with 2 decimal places.		
			Length Example: Length = 95.25" <u>LLLLL</u> = 09525		

7350 Series End Drive Curved Conveyors

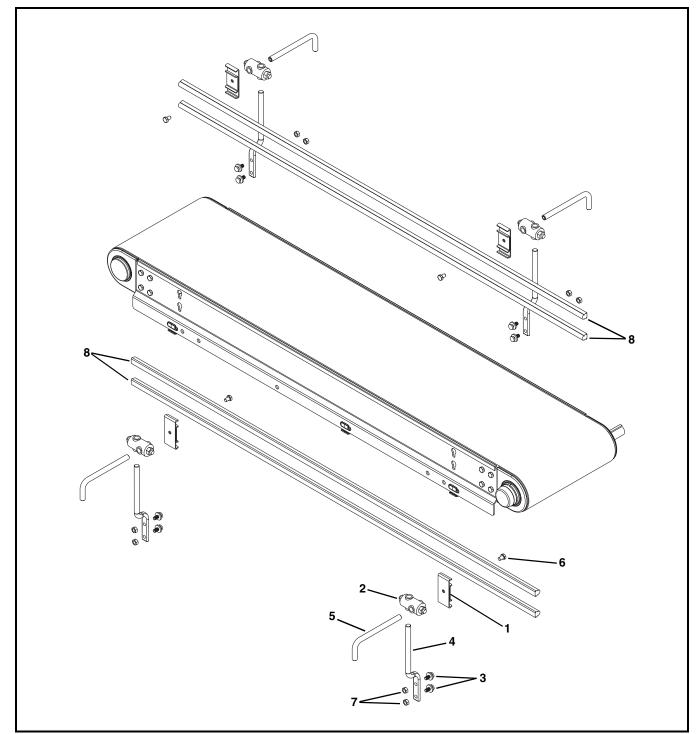


Tool-Less Fully Adjustable Round Guides

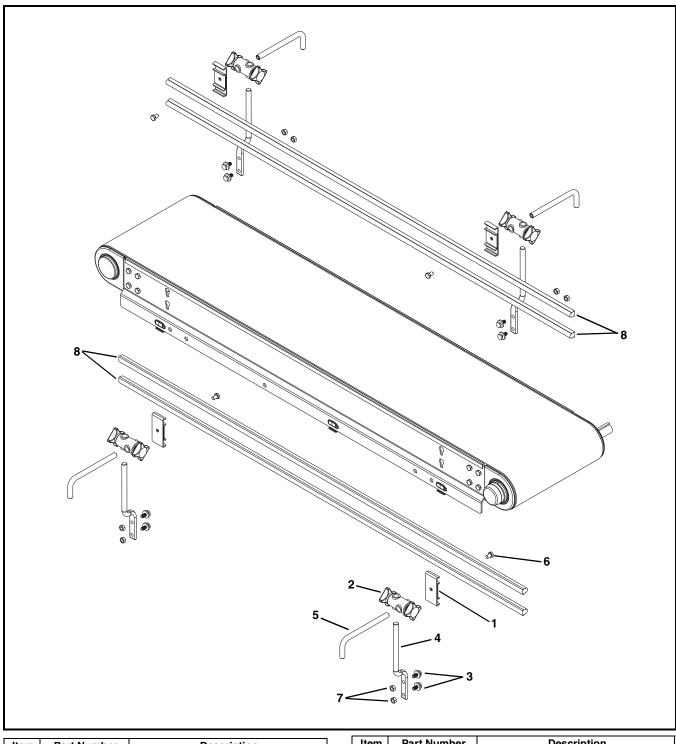
Item	Part Number	Description	
1	807-015	Rail Clamp	
2	807-1470	Cross Block Clamp	
3	532191	Carriage Bolt M8 x 20mm	
4	532192	Offset Guide Post	
5	532300	Post Guide	
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm	

Item	Part Number	Description
7	990801MSS	Hex Nut
8	532167- <u>LLLLL</u>	Round Guide Rail for Straight Conveyor Section
	532258- <u>LLLLL</u>	Round Guide Rail for Curve Conveyor Section
LLLLL	= Length in inches	with 2 decimal places.
Length	n Example: Length	= 95.25" <u>LLLLL</u> = 09525

Twin Rail Adjustable Round Guides



ltem	Part Number	Description	Ite	m	Part Number	Description
1	901414	Rail Clamp	7		990801MSS	Hex Nut
2	807-1387	Cross Block Clamp	8		532167- <u>LLLLL</u>	Round Guide Rail for Straight Conveyor
3	532191	Carriage Bolt M8 x 20mm		532258- <u>LLLLL</u>	Section	
4	532192	Offset Guide Post			Round Guide Rail for Curve Conveyor	
5	532300	Post Guide	Section LLLLL = Length in inches with 2 decimal places.		Langella de Serahan	
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm				
-			Ler	ngth	n Example: Length	= 95.25" <u>LLLLL</u> = 09525

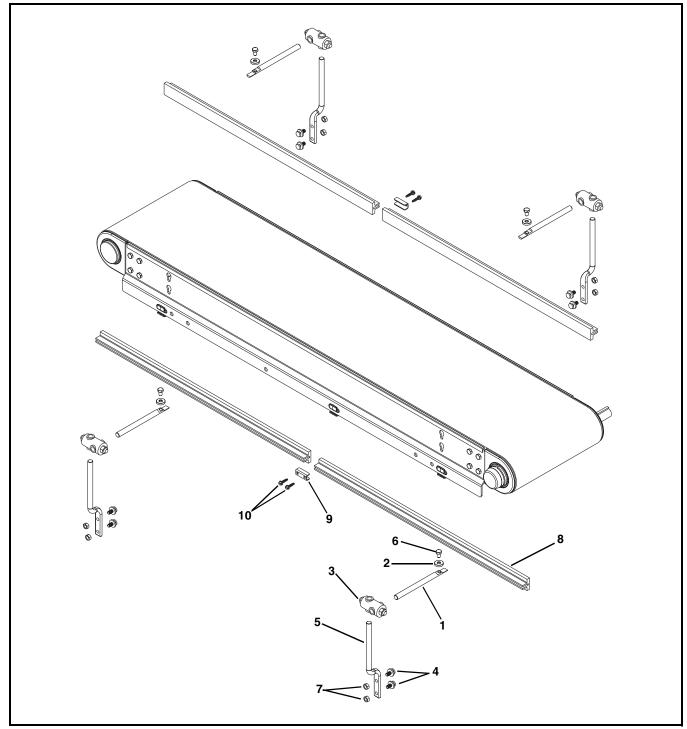


Tool-Less Twin Rail Adjustable Round Guides

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
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm

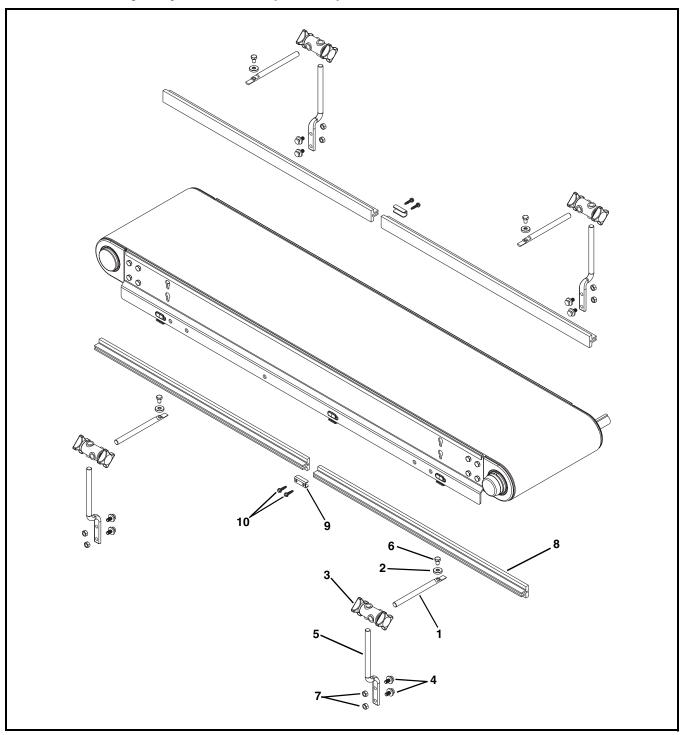
Item	Part Number	Description
7	990801MSS	Hex Nut
8	532167- <u>LLLLL</u>	Round Guide Rail for Straight Conveyor Section
	532258- <u>LLLLL</u>	Round Guide Rail for Curve Conveyor Section
LLLLL	= Length in inches	with 2 decimal places.
Length	n Example: Length	= 95.25" <u>LLLLL</u> = 09525

Fully Adjustable 1" (25 mm) Flat Guides



ltem	Part Number	Description	Item	Part Number	Description
1	532178	Rod Clamp	8	532170- <u>LLLLL</u>	Round Guide Rail
2	532179	Washer		532171- <u>LLLLL</u>	Round Guide Rail for Inside of Curve
3	807-1387	Cross Block Clamp			Section
4	532191	Carriage Bolt M8 x 20mm	9	532195	Guide Connecting Clip
5	532192	Offset Guide Post	10	807-1840	Hex Head Washer Screw
6	960812MSS	Hex Head Cap Screw M8-1.25 x 12mm	<u>LLLLL</u> = Length in inches with 2 decimal places.		
7	990801MSS	Hex Nut	Length Example: Length = 95.25" LLLLL = 09525		i = 95.25" <u>LLLLL</u> = 09525

7350 Series End Drive Curved Conveyors



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
7	990801MSS	Hex Nut

Item	Part Number	Description		
8	532170- <u>LLLLL</u>	Round Guide Rail		
	532171- <u>LLLLL</u>	Round Guide Rail for Inside of Curve Section		
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				

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:

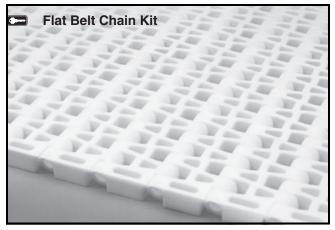
Overall chain length = 42' 5'' (rounded up = 43')

Order: Qty (43) of 52BB-WW

 \underline{BB} = Chain reference number

<u>WW</u> = 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)		
BB = 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 narts	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. 2012

DORNER MFG. CORP.

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