



2200 Retro Fit Tails for 2100 Conveyors

Installation, Maintenance & Parts Manual



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Introduction

IMPORTANT

<i>Some illustrations may show guards removed. Do NOT operate equipment without guards.</i>

Dorner’s Limited Warranty applies.

Dorner 2100 Series conveyors are covered by Patent No. 5,174,435, 5,131,529 and corresponding patents and patent applications in other countries.

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

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.

Warnings – General Safety

WARNING

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

DANGER



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

DANGER



Do **NOT OPERATE CONVEYORS IN AN EXPLOSIVE ENVIRONMENT.**

WARNING



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

WARNING



Gearmotors may be **HOT.**
DO NOT TOUCH Gearmotors.

WARNING



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

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

WARNING



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

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

Product Description

Refer to Figure 1 for typical drive end retro fit components.

- A Slide bars
- B Head plate screw
- C Drive Pulley
- D Output shaft
- E Head plates
- F Pulley bearings

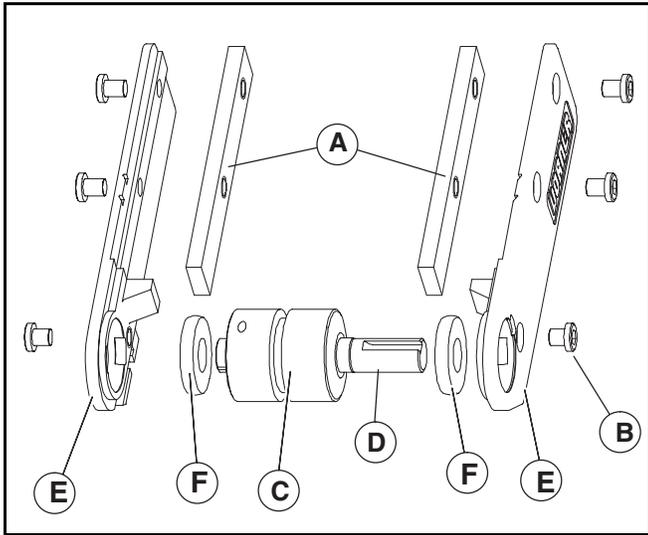


Figure 1

Refer to Figure 2 for typical idler end retro fit components.

- G Slide bars
- H Head plate screw
- I Idler Pulley
- J Head plates
- K Pulley bearings

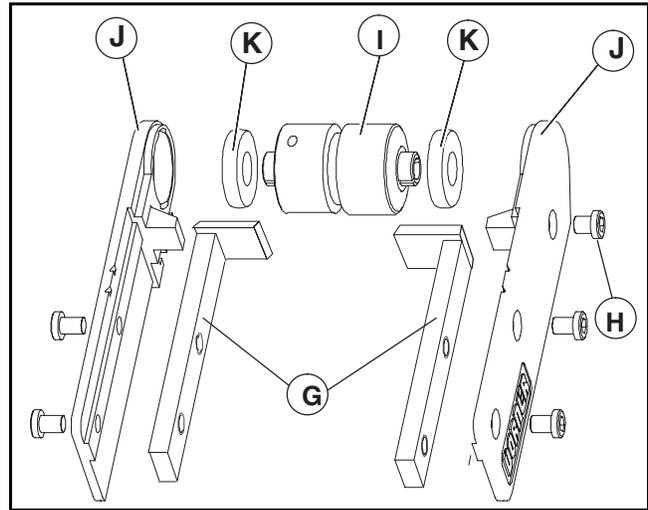


Figure 2

Drive End Retro Fit

⚠ WARNING



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

Installation Component List:

A	Slide Bars (2x)
B	Head plate screw (2x)
C	Drive pulley (1x)
D	Output shaft
E	Head plates (2x)
F	Pulley Bearings (2x)

1. Typical components (Figure 3)

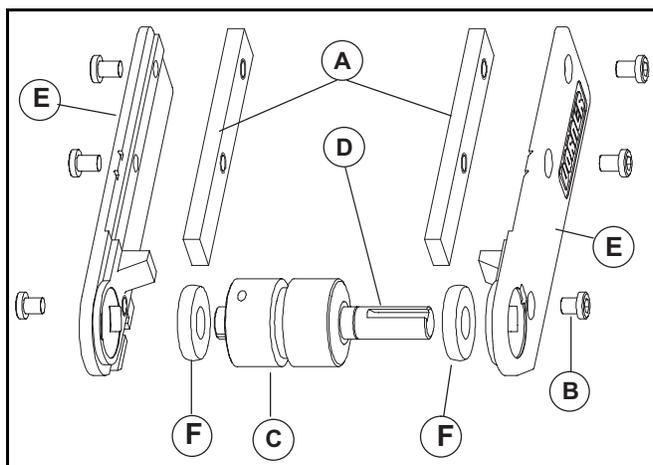


Figure 3

2. Remove conveyor belt and 2100 drive end tail assembly. Refer to manual 851-061, “2100 Series End Drive Conveyors,” section “Conveyor Belt Replacement Procedure,” for details.
3. Determine required orientation for output shaft (Figure 3, item D).
4. Insert slide bars (Figure 3, item A) into 2100 frame.

5. Install the new head plate (Figure 4, item E) on the non-drive shaft side of the conveyor.



Figure 4

6. Insert the new drive pulley (Figure 5, item C) into the head plate on the opposite side.

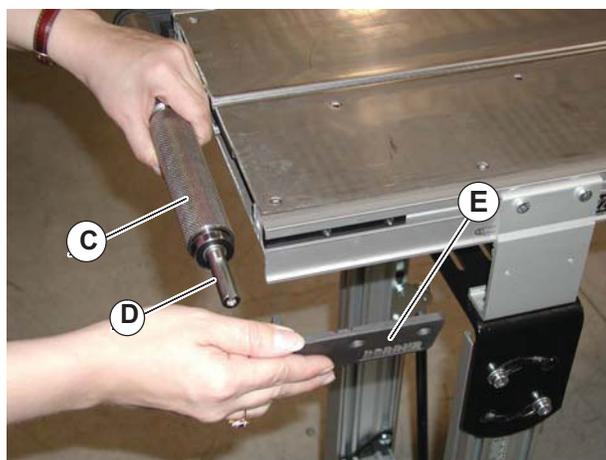


Figure 5

7. Install the second head plate (Figure 5, item E) on the drive shaft corner.

Installation

Idler End Retro Fit

⚠ WARNING



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

Installation Component List:

G	Slide bars (2x)
H	Head plate screw (2x)
I	Idler pulley (1x)
J	Head plates (2x)
K	Pulley bearings (2x)

1. Typical components (Figure 6)

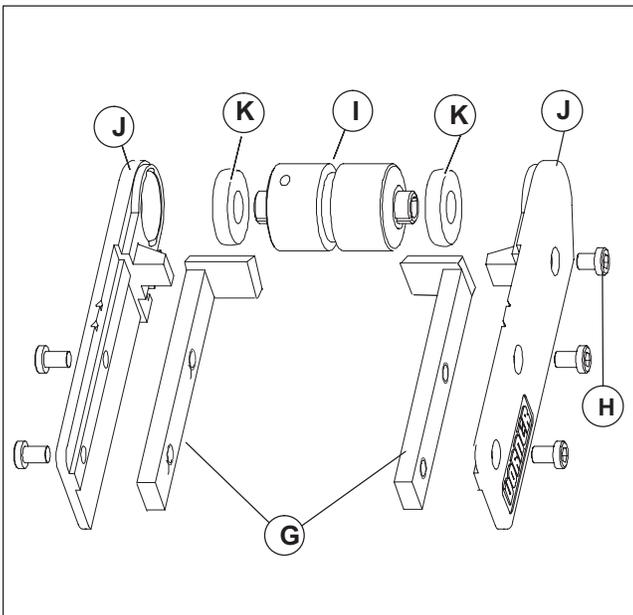


Figure 6

2. Remove conveyor belt and 2100 idler end tail assembly. Refer to manual 851-061, “2100 Series End Drive Conveyors”, section “Conveyor Belt Replacement Procedure.” for details.
3. Insert slide bars (Figure 6, item G) into 2100 frame.

4. Install a new head plate (Figure 7, item J) on one side of the conveyor.

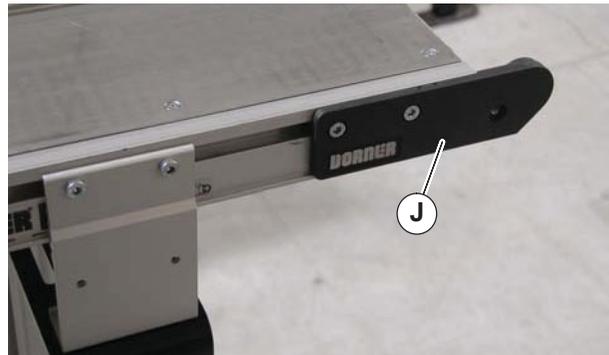


Figure 7

5. Insert the new idler pulley (Figure 8, item I) into the head plate on the opposite side.

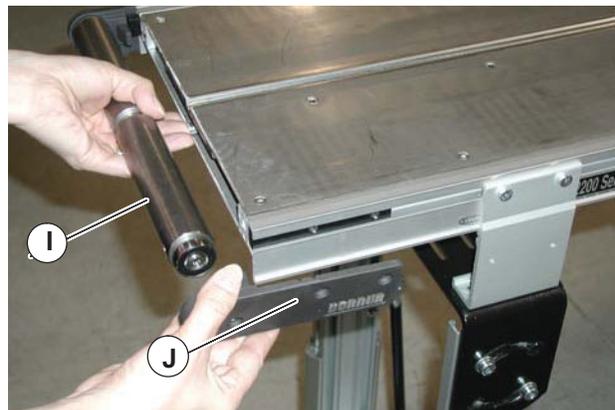


Figure 8

6. Install the second head plate (Figure 8, item J). Leave the (4) head plate mounting screws finger tight.
7. Install, tension and track conveyor belt, refer to manual 851-452, “2200 Series End Drive Conveyors.”

Preventive Maintenance and Adjustment

Refer to “2200 Series End Drive Conveyor” Installation, Maintenance and Parts manual, part number 851-452.

Service Parts

Refer to “2200 Series End Drive Conveyor” Installation, Maintenance and Parts manual, part number 851-452.

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.

A representative will discuss action to be taken on the returned items and provide a Returned Goods Authorization number for reference.

There will be a return charge on all new undamaged items returned for credit where Dorner was not at fault. Dorner is not responsible for return freight on such items.

Conveyors and conveyor accessories	
Standard catalog conveyors	30%
MPB Series, cleated and specialty belt conveyors	50%
7400 & 7600 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%
MPB, cleated and specialty belts	non-returnable items

Returns will not be accepted after 60 days from original invoice date.

The return charge covers inspection, cleaning, disassembly, disposal and reissuing of components to inventory.

If a replacement is needed prior to evaluation of returned item, a purchase order must be issued. Credit (if any) is issued only after return and evaluation is complete.

Dorner has representatives throughout the world. Contact Dorner for the name of your local representative. Our Technical Sales, Catalog Sales and 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.



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