

Pulley Transfer Plates for 3100 Series & LPZ Flat Belt Conveyors

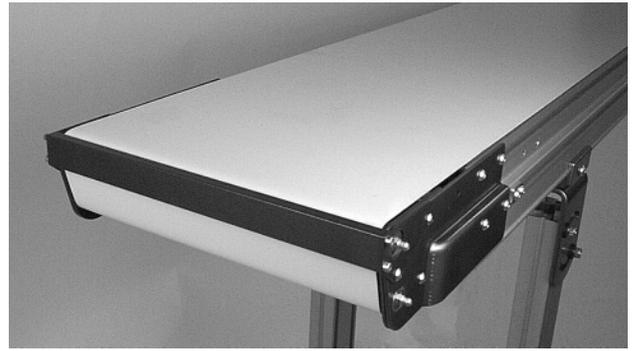


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Warnings – General Safety

	WARNING	
<p>The safety alert symbol, black triangle with white exclamation, is used to alert you to potential personal injury hazards.</p>		

		DANGER
<p>Climbing, sitting, walking or riding on conveyor will cause severe injury. KEEP OFF CONVEYORS.</p>		

		DANGER
<p>DO NOT OPERATE CONVEYORS IN AN EXPLOSIVE ENVIRONMENT.</p>		

		WARNING
<p>Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.</p>		

		WARNING
<p>Dorner cannot control the physical installation and application of conveyors. Taking protective measures is the responsibility of the user.</p> <p>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.</p>		

		WARNING
<p>Exposed moving parts can cause severe injury. REPLACE ALL GUARDS BEFORE RUNNING CONVEYOR.</p>		

		DANGER
<p>Use of transfer plate with high friction conveyor belt will cause severe injury. DO NOT use transfer plate with /03, /08, /55, /62, /64, or other high friction belts.</p>		

Introduction

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

Upon receipt of shipment:

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

Dorner 3100 Series conveyors are covered by Patent No. 5,156,260, 5,156,261, 5,174,435, 5,203,447, 5,265,714, and corresponding patents and patent applications in other countries.

Dorner LPZ conveyors are covered by Patent No. 5,131,529, 5,156,260, 5,156,261, 5,174,435, 5,203,447, 5,265,714, and corresponding patents and patent applications in other countries.

Dorner's Limited Warranty applies.

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

Required Tools

- 3 mm hex key wrench
- Torque wrench

3" (76 mm) Diameter Pulley Idler End Mounting

	 DANGER
	<p>Use of transfer plate with high friction conveyor belt will cause severe injury.</p> <p>DO NOT use transfer plate with /03, /08, /55, /62, /64, or other high friction belts.</p>

	 WARNING
	<p>Exposed moving parts can cause severe injury.</p> <p>LOCK OUT POWER before removing guards or performing maintenance.</p>

1. Gather components (Figure 1)

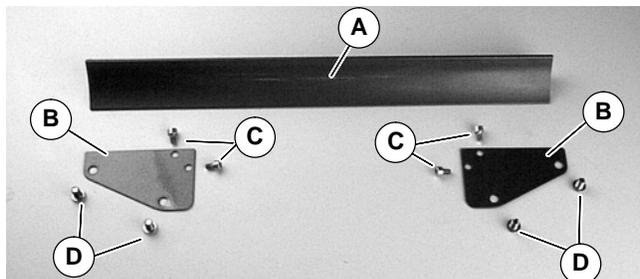


Figure 1

Illustration References	
A	Transfer Plate
B	Transfer Side Plate (2x)
C	M4 x 8 mm Socket Head Screws (4x)
D	M5 x 8 mm Button Head Screws (4x)

2. Remove and discard screws located in holes (E) of Figure 2) on each side of conveyor.

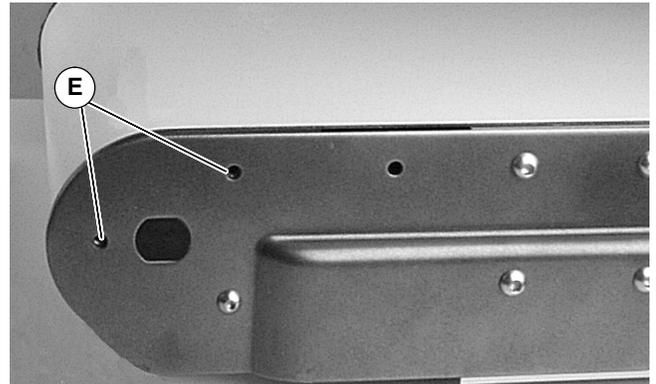


Figure 2

3. Install transfer side plate (B of Figure 3) using screws (D) on each side of conveyor. Tighten screws to 28 in-lb (3 Nm).

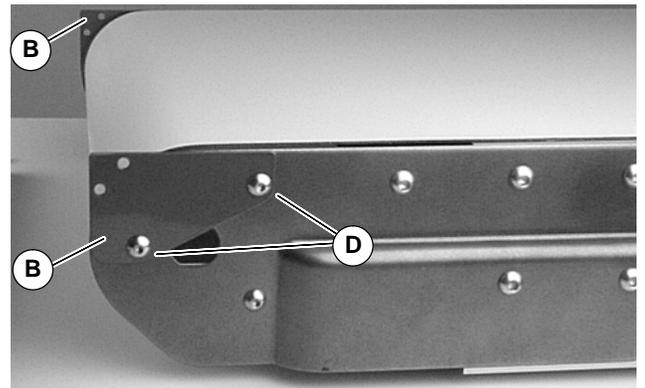


Figure 3

4. Install transfer plate (A of Figure 4) using screws (C). While maintaining clearance between transfer plate and conveyor belt, tighten screws (C) to 36 in-lb (4 Nm).

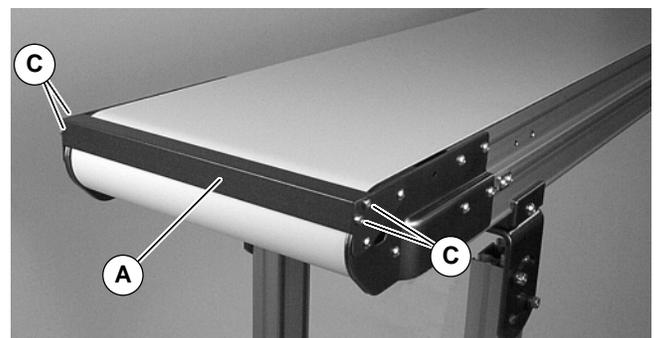


Figure 4

Installation

3" (76 mm) Diameter Pulley Drive End Mounting



! DANGER

Use of transfer plate with high friction conveyor belt will cause severe injury.
DO NOT use transfer plate with /03, /08, /55, /62, /64, or other high friction belts.



! WARNING

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

1. Gather components (Figure 5)

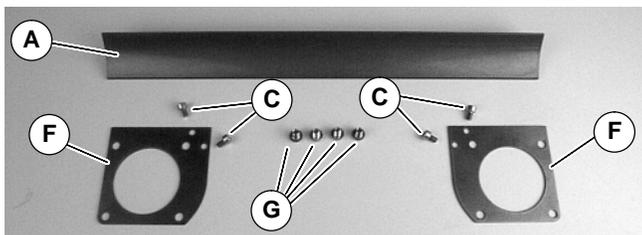


Figure 5

Illustration References

A	Transfer Plate
C	M4 x 8 mm Socket Head Screws (4x)
F	Transfer Side Plates (2x)
G	M5 x 10 mm Button Head Screws (4x)

2. Remove gearmotor mounting package. See mounting package instructions for details.
3. Remove and retain original screws (H of Figure 6) and end cap (K) on side opposite drive shaft.

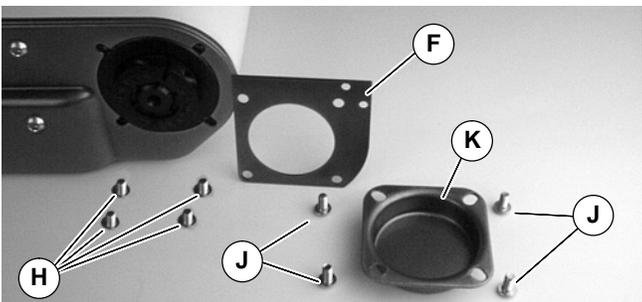


Figure 6

4. Install transfer side plate (F of Figure 7) and end cap (K) using new screws (G). Tighten screws to 28 in-lb (3 Nm).

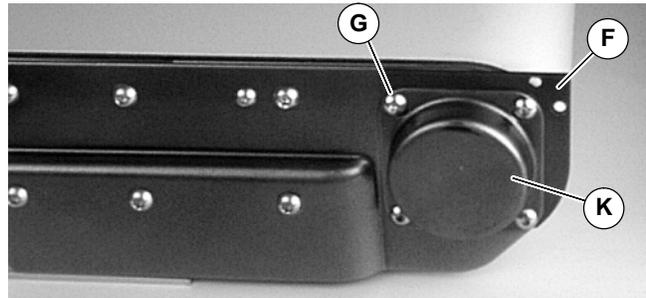


Figure 7

5. On drive shaft side, remove and discard four (4) screws around drive shaft bearing (I of Figure 8).



Figure 8

6. Install transfer side plate (F of Figure 9) using original screws (H). Tighten screws to 28 in-lb (3 Nm).



Figure 9

7. Install transfer plate (A of Figure 10) using screws (C). While maintaining clearance between transfer plate and conveyor belt, tighten screws (C) to 36 in-lb (4 Nm).

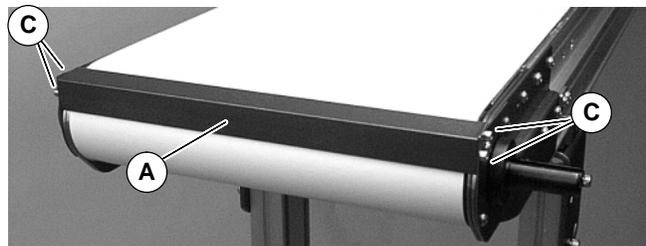


Figure 10

8. Replace gearmotor mounting package. See mounting package instructions for details.

1" (25 mm) Diameter Pulleys Idler End Mounting

	 DANGER
	<p>Use of transfer plate with high friction conveyor belt will cause severe injury.</p> <p>DO NOT use transfer plate with /03, /08, /55, /62, /64, or other high friction belts.</p>

	 WARNING
	<p>Exposed moving parts can cause severe injury.</p> <p>LOCK OUT POWER before removing guards or performing maintenance.</p>

1. Gather components (Figure 11)

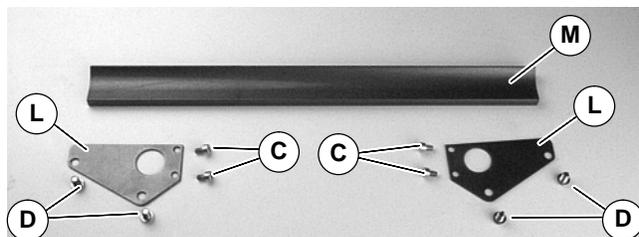


Figure 11

Illustration References	
C	M4 x 8 mm Socket Head Screws (4x)
D	M5 x 8 mm Button Head Screws (4x)
L	Transfer Side Plate (2x)
M	Transfer Plate

2. Remove and discard screws located in holes (N of Figure 12) on each side of conveyor.

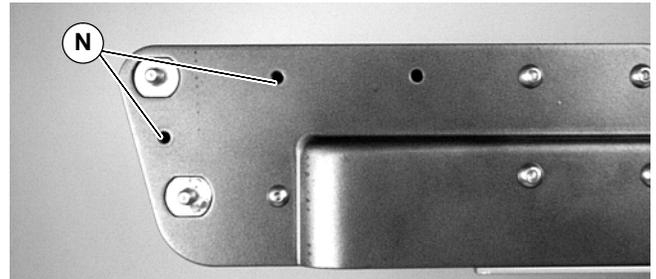


Figure 12

3. Install transfer side plate (L of Figure 13) using two (2) screws (D) on each side of conveyor. Tighten screws to 28 in-lb (3 Nm).

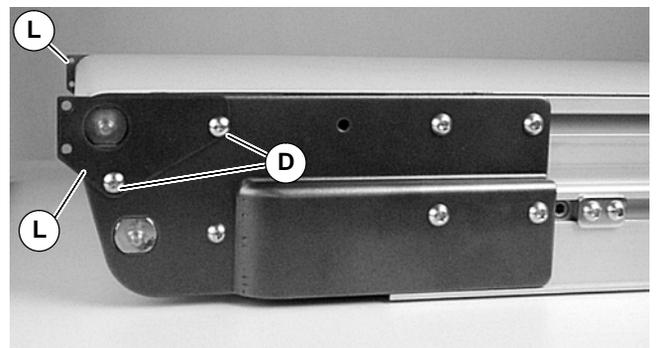


Figure 13

4. Install transfer plate (M of Figure 14) with wide side up (see detail). While maintaining clearance between transfer plate and conveyor belt, tighten screws (C) to 36 in-lb (4 Nm).

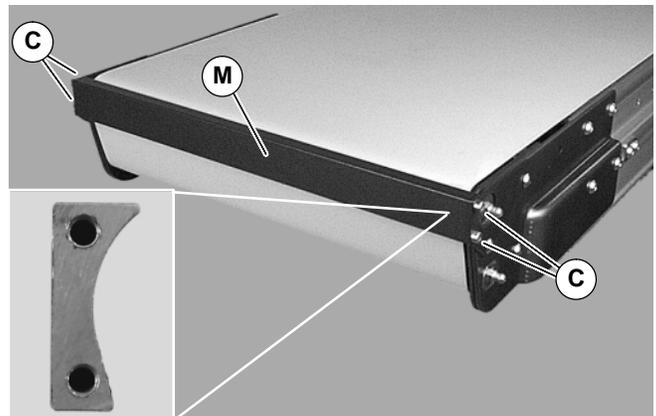


Figure 14

Preventive Maintenance & Adjustment

Required Tools

- 3 mm hex key wrench
- Torque wrench

Cleaning



NOTE: Figure 15 shows a 3" (76 mm) diameter pulley idler end; 3" (76 mm) diameter pulley drive end similar.

Periodically, remove screws (C of Figure 15 or 16) and remove transfer plate (A of Figure 15) or (M of Figure 16). Clean any debris from between plate and conveyor belt. Replace transfer plate. While maintaining clearance between transfer plate and conveyor belt, tighten screws (C) to 36 in-lb (4 Nm).

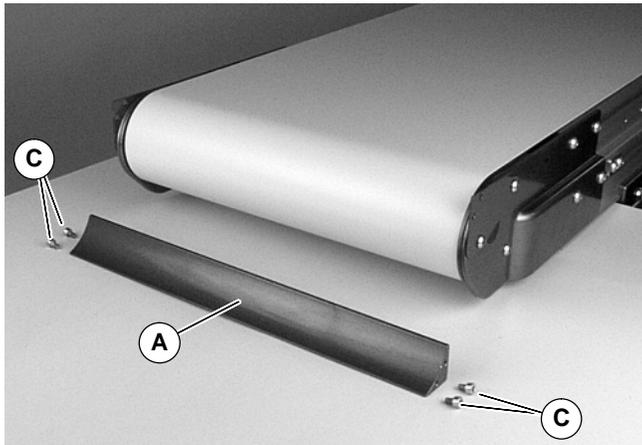


Figure 15

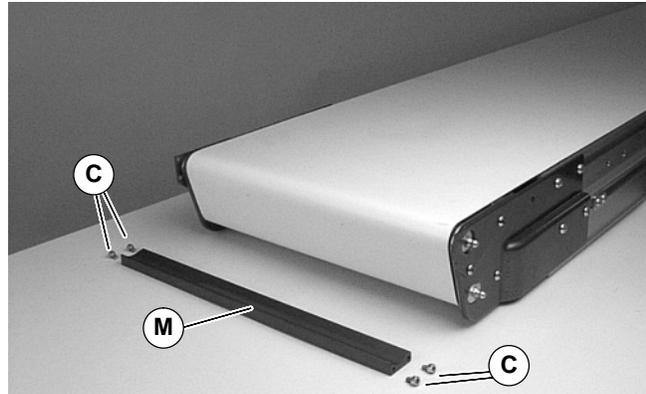


Figure 16

Conveyor Belt Replacement

1. Remove screws (C of Figure 15 or 16) and remove transfer plate (A of Figure 15) or (M of Figure 16).
2. Remove and replace conveyor belt. See 3100 Series manual for details.
3. Replace transfer plate. While maintaining clearance between transfer plate and conveyor belt, tighten screws (C) to 36 in-lb (4 Nm).

NOTE: For replacement parts other than those shown on this page, contact an authorized Dorner Service Center or the factory.

Item	Part No.	Part Description
1	3642WWM	Transfer Plate for 1" (25 mm) Diameter Pulleys (Figure 17)
2	3631WWM	Transfer Plate for 3" (76 mm) Diameter Pulley (Figure 18)

WW = conveyor width reference

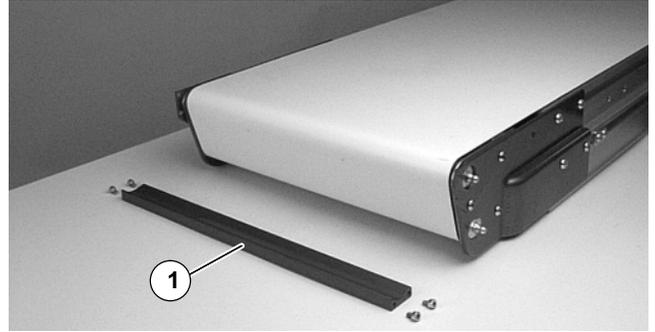


Figure 17

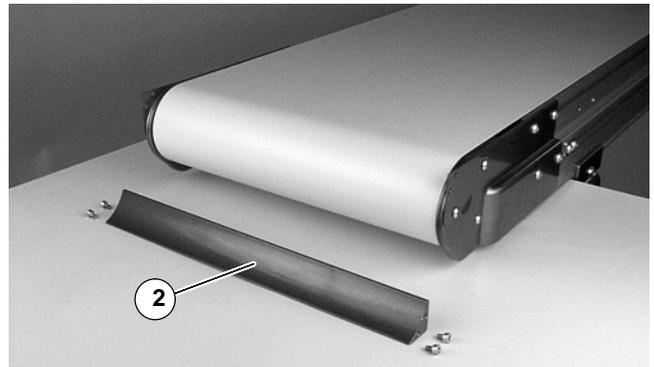


Figure 18

Return Policy

No returns will be accepted without prior written factory authorization. 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. 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 to reference.

There will be a 15% restocking charge on all new items returned for credit where Dorner was not at fault. These will not be accepted after 60 days from original invoice date. The restocking charge covers inspection, cleaning, disassembly, and reissuing 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. Feel free to contact Dorner for the name of your local representative. Our technical sales and service staff will gladly help with your questions on Dorner products.

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

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

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