

Sanitary Support Stands

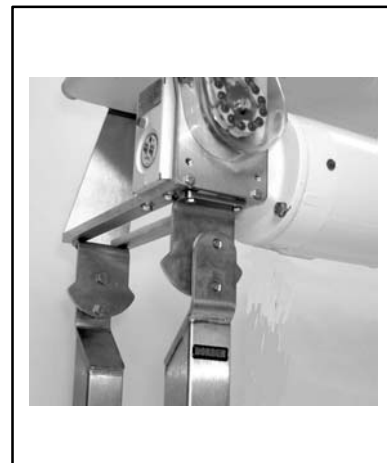


Table of Contents

WARNINGS – General Safety	2	Preventative Maintenance and Adjustment	7
Introduction	2	Stand Height Adjustment	7
Product Description	3	Height Adjustment for Stands with Feet	7
Specifications	3	Required Tools	7
Installation	4	Height Adjustment for Stands with Castors	7
Recommended Installation Sequence	4	Required Tools	7
Required Tools	4	Conveyor Angle Adjustment	8
Attaching Direct Mount Stand (Type DS) to		Required Tools	8
Conveyor	4	Service Parts	10
Attaching Pivot Mount Stand (Type DP) to		Direct Mount Sanitary Support Stand	10
Conveyor	4	Pivot Mount Sanitary Support Stand	12
Attaching Pivot Mount Stand (Type MS) to		Return Policy	14
Heavy Load Drive Mount	5		
Attaching Diagonal Brace	6		

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>		

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

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

		WARNING
<p>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.</p>		

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

		WARNING
<p>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.</p>		

		DANGER
<p>Supports marked with this symbol must be anchored to the floor. Supports not anchored to floor will tip, causing severe injury or death. SUPPORT MUST BE ANCHORED TO FLOOR.</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's Limited Warranty applies.

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

Product Description

Refer to Figure 1 for typical stand components.

Typical Components	
A	Support Stand
B	Stand Mounting Bracket
C	Clamp Plate
D	Height Adjustment Point
E	Angle Adjustment Point
F	Optional Casters
G	Optional Diagonal Brace

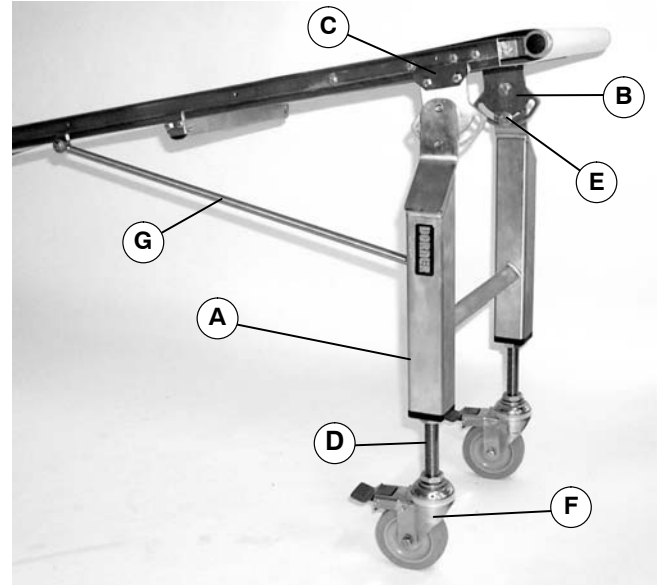


Figure 1

Specifications

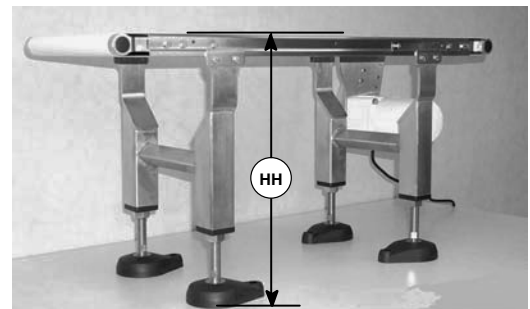
Sanitary Support Stand Models

39 M TT WW - HH HH F AA



- 39** = H Style Stand
- M** = Language Code
M = U.S. English
- TT** = Stand Type
DP = Direct Mount - Pivoting
DS = Direct Mount - Non-Pivoting
MS = Motor Mount - Pivoting
- WW** = Width = Conveyor Width
02" (51mm) to 18" (457mm)
- HH** = Min Height
From Floor to Top of Belt (shown) or
From Floor to Top of Mounting Bracket
(Heavy Load Bottom Mount Only)
- HH** = Max Height
From Floor to Top of Belt (shown) or
From Floor to Top of Bracket
(Heavy Load Bottom Mount Only)
- F** = Floor Interface
F = Fixed Foot Pad
C = Total Lock Swivel Caster
B = Fixed Foot Pad with Diagonal Brace
- AA** = blank = Fixed Direct Mount
00 - 60 = 0 to 60 Degrees
ST = Fully Slotted (Non-sanitary)

Example: 39MDS04-2226B

AquaPruf™ direct mount sanitary support stand for a 4" (102mm) wide conveyor with a minimum height of 22" (559mm) and a maximum height of 26" (660mm). It comes with swivel foot pads, diagonal bracing, and U.S. English documentation.



Installation

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

Recommended Installation Sequence (see Table of Contents for page numbers)

- Attach stand(s) to conveyor
- Attach optional diagonal bracing
- Adjust stand height and level (see Adjustment section, page 7)

Required Tools

- Wrenches: 10 mm, 13 mm, 17 mm, 30 mm (for hex head cap screws)
- Level
- Torque wrench

Attaching Direct Mount Stand (Type DS) to Conveyor

1. Properly support conveyor or place conveyor upside down on a flat surface.
2. For each side of stand (A of Figure 2), loosen two M6 clamp plate screws (H).

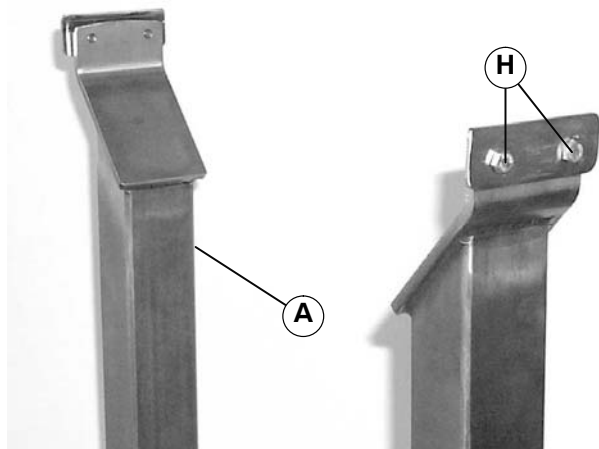


Figure 2

NOTE: Make sure conveyor (I of Figure 3) is seated between clamp plate (C) and lip (J) at top of stand (A) before tightening clamp plate screws.

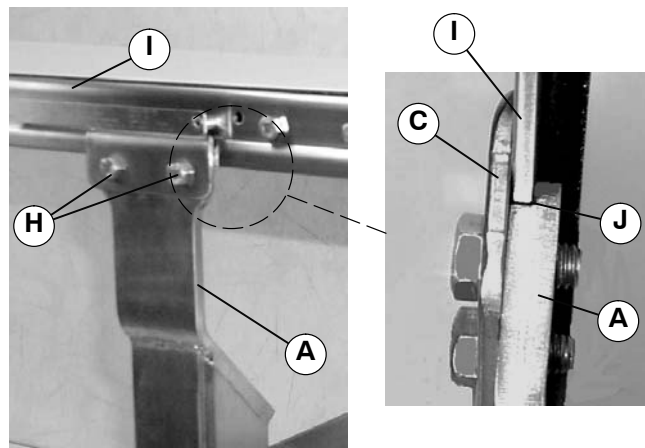




Figure 3

	 WARNING
	Failure to secure screws (H of Figure 5) may cause conveyor sections to drop down causing severe injury.

3. Attach stand (A) to conveyor (I) and tighten four screws (H) to 80 in-lb (9 Nm).
4. Repeat steps 2 and 3 for other stand(s).
5. Adjust stand height (see “Stand Height Adjustment” on page).

Attaching Pivot Mount Stand (Type DP) to Conveyor

1. Properly support conveyor or place conveyor upside down on a flat surface.

NOTE: For slotted brackets (B of Figure 4), loosen two screws (K). Adjust bracket so top is at approximately the same angle as the conveyor. Do not tighten screws.

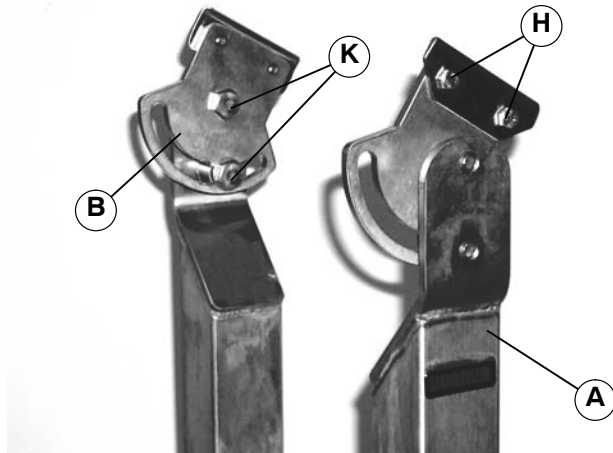


Figure 4

2. For each side of stand (A), loosen two M6 clamp plate screws (H).

NOTE: Make sure conveyor (I of Figure 5) is seated between clamp plate (C) and lip (J) at top of bracket (B) before tightening clamp plate screws (H).

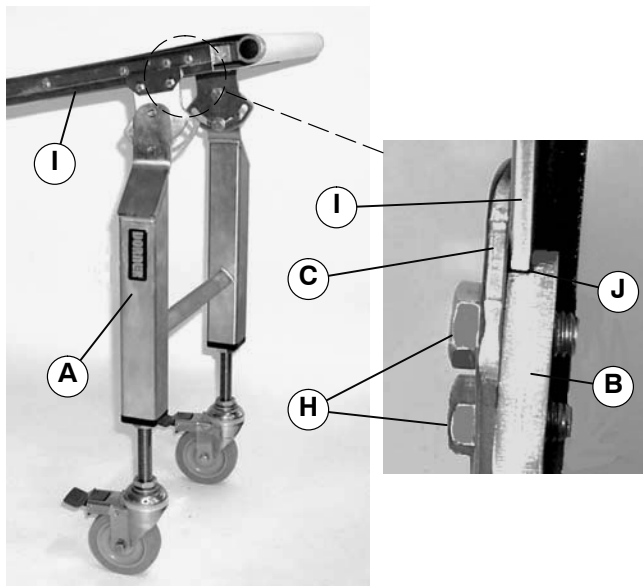
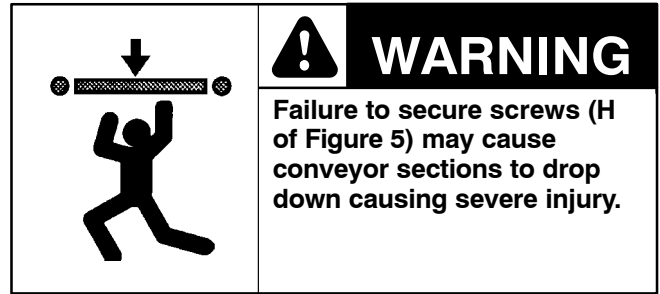
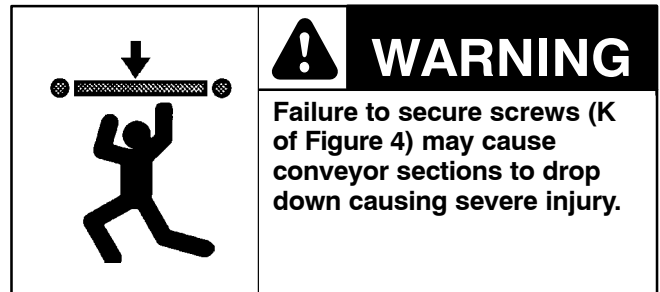


Figure 5



3. Attach bracket (B) to conveyor (I) and tighten four screws (H) to 80 in-lb (9 Nm).



4. On slotted brackets, if necessary, adjust bracket angle to match conveyor angle and tighten screws (K of Figure 4) to 50 ft-lb (72 Nm).
5. Repeat steps 2 through 4 for other stand(s).
6. Adjust stand height (see “Stand Height Adjustment” on page).

Attaching Pivot Mount Stand (Type MS) to Heavy Load Drive Mount

1. Properly support conveyor.

NOTE: For slotted brackets (B of Figure 6), loosen two screws (K). Adjust bracket so top is at approximately the same angle as the heavy load drive mount. Do not tighten screws.

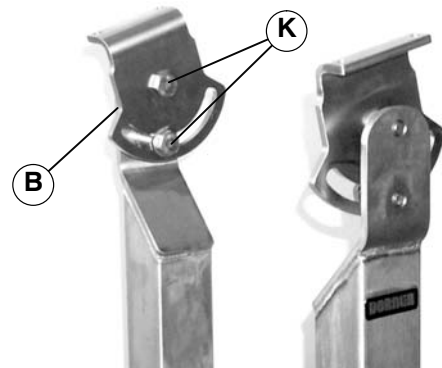
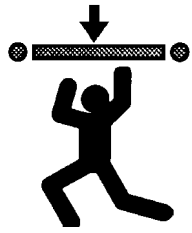


Figure 6

Installation

	<p>WARNING</p> <p>Failure to secure screws (K of Figure 6) may cause conveyor sections to drop down causing severe injury.</p>
---	---

2. Attach two brackets (B of Figure 7) to two heavy load bottom mount gearhead support bars (L) with four M6-1.0x20mm hex head cap screws (M). Tighten screws (M) to 80 in-lb (9 Nm). Tighten screws (K of Figure 6) to 50 ft-lb (72 Nm).

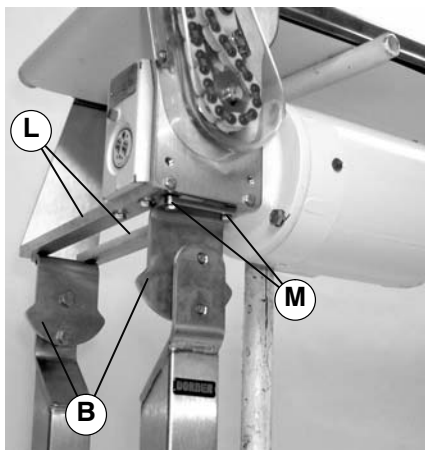


Figure 7

3. Adjust stand height (see “Stand Height Adjustment” on page).

Attaching Diagonal Brace

1. Install rod-end (N of Figure 8) of diagonal brace (G) on stud (O) and secure with M8 acorn nut (P).

2. If necessary, loosen M6 screw (Q). Slip clip (R) onto conveyor (I). Tighten screw (Q) to 80 in-lb (9 Nm).

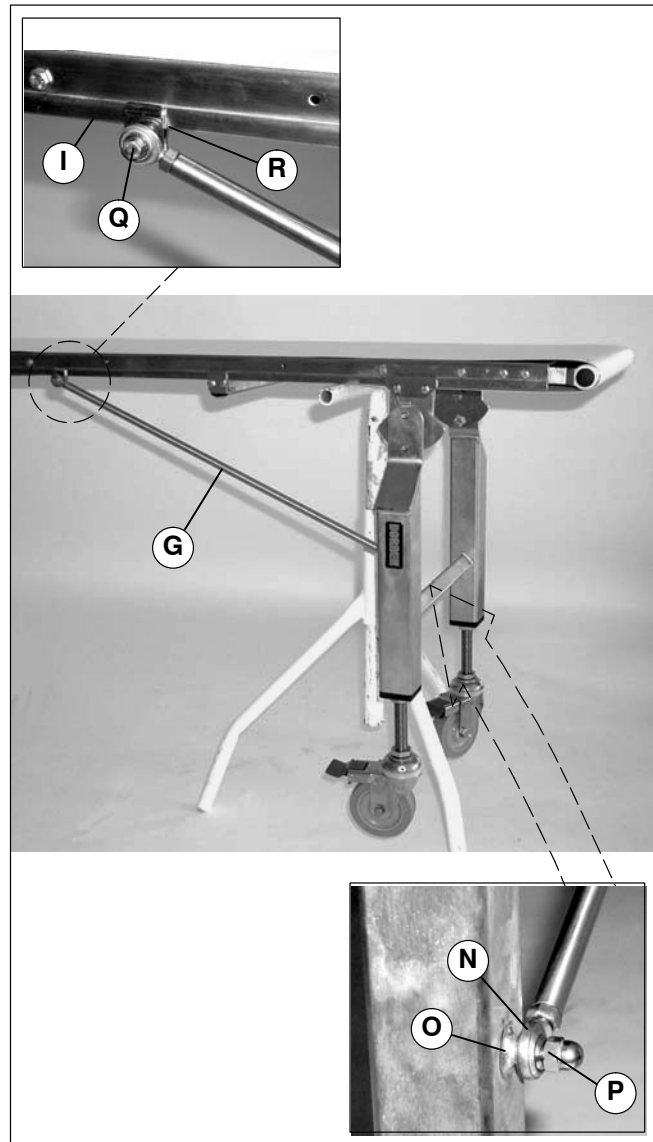


Figure 8

Preventive Maintenance and Adjustment

Stand Height Adjustment

Height Adjustment for Stands with Feet

Required Tools

- 30 mm wrench
- 0" through 1-1/4" span adjustable wrench
- Level

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

1. Loosen nut (S of Figure 9).

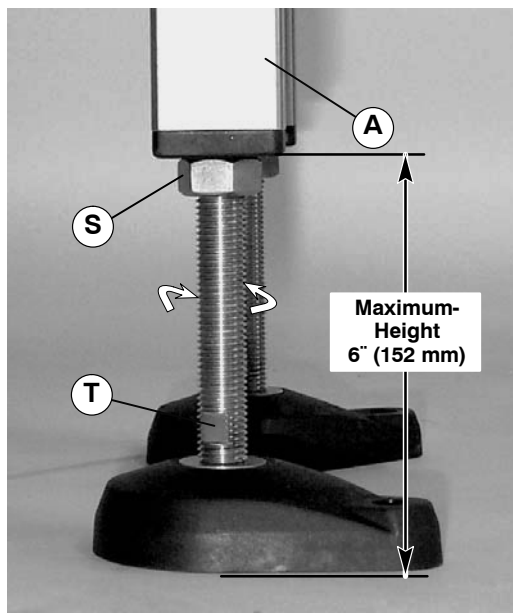


Figure 9

	WARNING	
<p>Do not exceed a maximum height of 6" (152 mm) from floor to bottom of stand (A) on a stand with feet. Exceeding maximum height will allow parts to separate which may cause personal injury.</p>		

2. Using an adjustable wrench on foot stem flats (T), rotate foot stem to raise or lower stand (A) to the required height.

3. Repeat steps 1 and 2 on opposite stand leg.
4. Level stand (A) from side to side using a level (U of Figure 10).

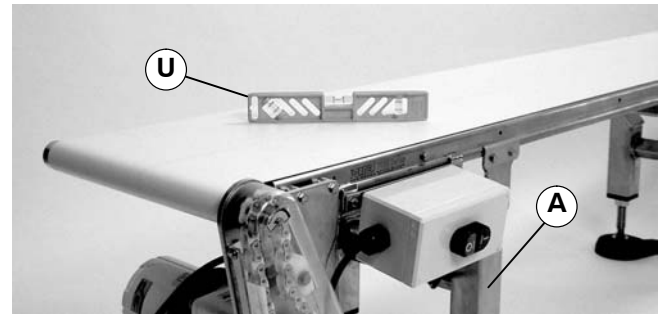




Figure 10

5. Tighten nut (S of Figure 9) to secure each foot assembly.

Height Adjustment for Stands with Casters

Required Tools

- 30 mm wrenches
- Adjustable wrenches
- Level

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

1. Loosen nut (V of Figure 11).

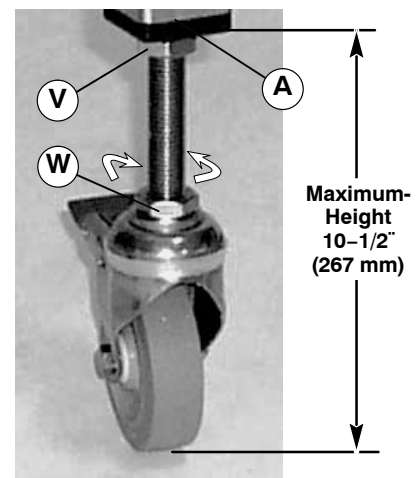


Figure 11

Preventive Maintenance and Adjustment

WARNING

Do not exceed a maximum height of 10-1/2" (267 mm) from floor to bottom of stand (A) on a stand with casters. Exceeding maximum height will allow parts to separate which may cause personal injury.

2. Rotate nut (W) to raise or lower stand (A) to the required height.
3. Repeat steps 1 and 2 on opposite stand leg.
4. Level stand (A) from side to side using a level (X of Figure 12).

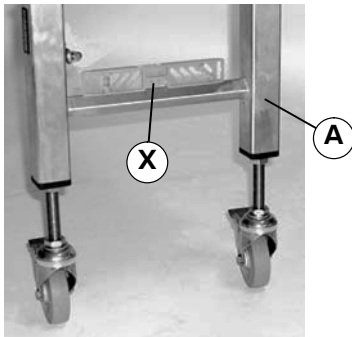


Figure 12

5. Tighten nut (V of Figure 11) to secure each caster assembly.

NOTE: If equipped with diagonal brace (G of Figure 13), loosen screw (Q).

1. Loosen two hex head screws (K of Figure 13) on both sides of stand.

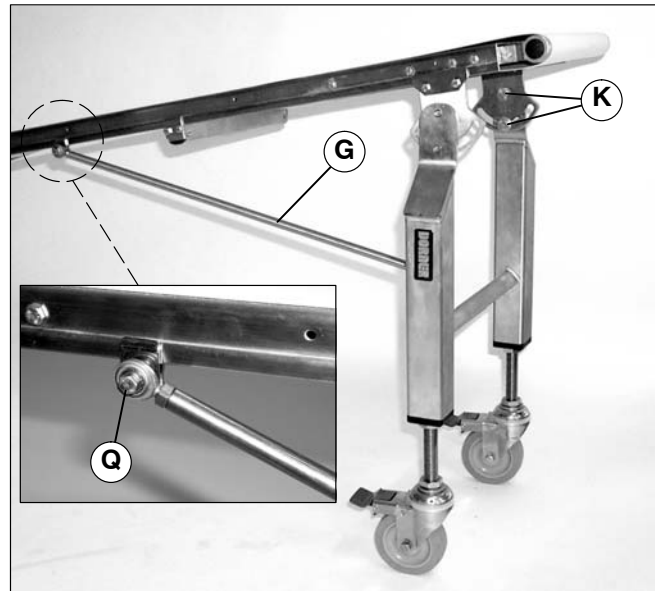


Figure 13

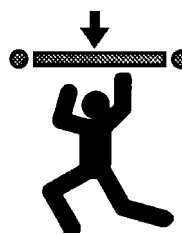
Conveyor Angle Adjustment

NOTE: This procedure applies to stands with slotted brackets only.

Required Tools

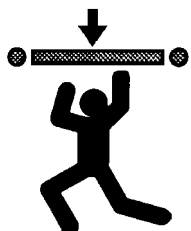
- 10 and 17 mm wrenches (for hexagon head screws)
- Torque wrench

2. Adjust conveyor to desired angle.



WARNING

Failure to secure screws (K of Figure 13) may cause conveyor sections to drop down, causing severe injury. **TIGHTEN SCREWS (K) AFTER ADJUSTMENT.**



WARNING

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

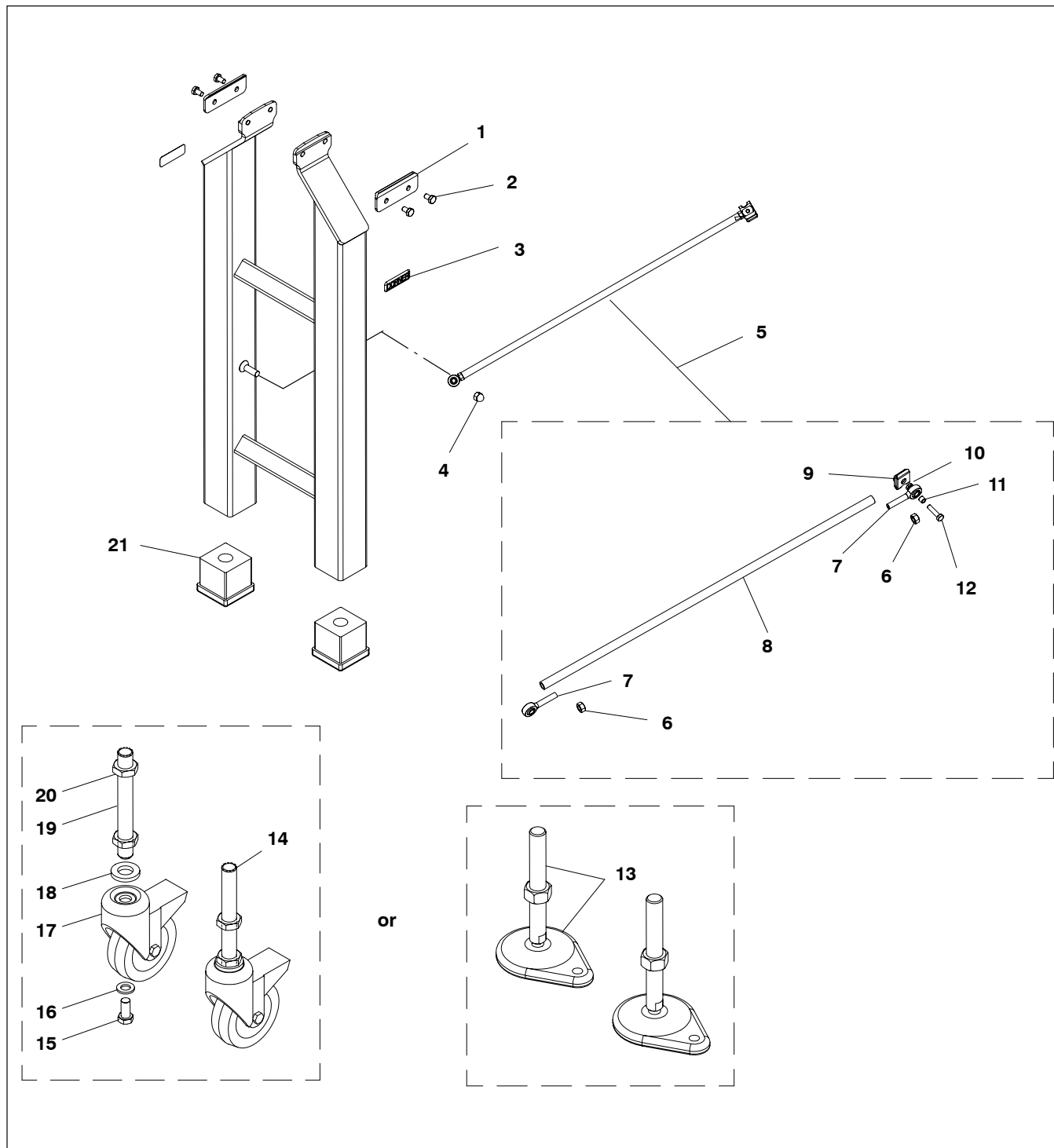
SUPPORT CONVEYOR SECTIONS PRIOR TO LOOSENING STAND ANGLE ADJUSTMENT SCREWS.

3. Tighten screws (K) to 50 ft-lb (72 Nm).
4. If conveyor is equipped with diagonal bracing (G), tighten screw (Q) to 80 in-lb (9 Nm) after adjustment.

Service Parts

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

Direct Mount Sanitary Support Stand



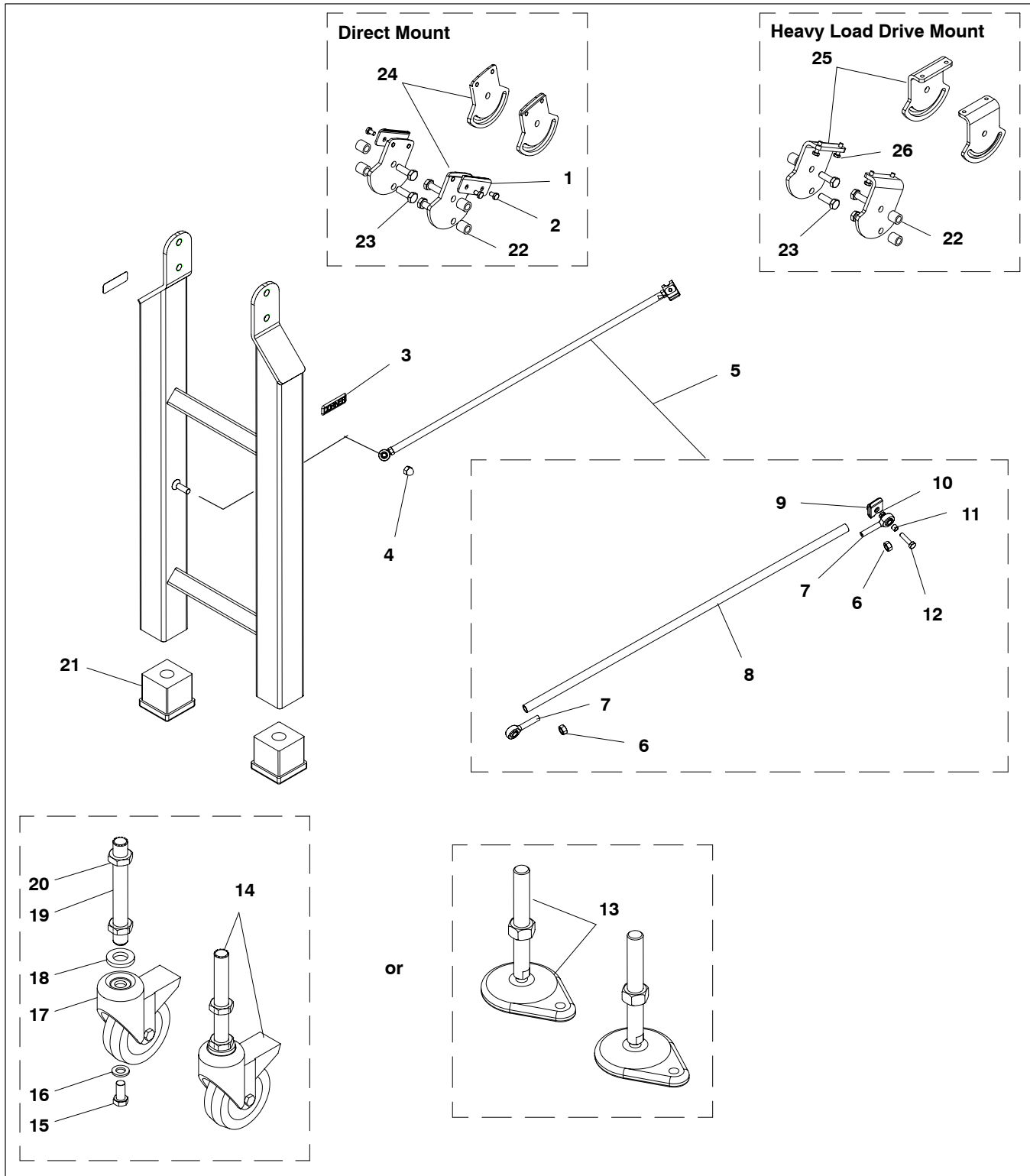
Service Parts

Item	Part Number	Description
1	492564SS	Clamp Plate (2x)
2	960610MSS	Hex Head Cap Screw M6-1.0 x 10mm (4x)
3	240339	Dorner Nameplate (2x)
4	990808MSS	Acorn Nut M8-1.25
5	711119	Brace Assembly (Includes Items 6 through 12)
6	910-195	Hex Nut 5/16-18NF (2x)
7	801-131	Rod End Bearing SS (2x)
8	711117	Brace Tube
9	450186MSS	Clip
10	990609MSS	Jam Nut M6-1.0

11	450226SSP	Sleeve
12	960625MSS	Hex Head Cap Screw M6-1.0 x 25mm
13	807-1321	Teardrop Foot Assembly
14	458309	Caster Assembly (Includes Items 15 through 20)
15	961225MSS	Hex Head Cap Screw M12-1.75 x 25mm
16	911-519	Washer
17	807-1322	Caster
18	911-520	Washer
19	458308	Caster Stem
20	992010MSS	Jam Nut M20-2.50 (2x)
21	807-1304	Threaded Tube End

Service Parts

Pivot Mount Sanitary Support Stand



Service Parts

Item	Part Number	Description
1	492564SS	Clamp Plate (2x)
2	960610MSS	Hex Head Cap Screw M6-1.0 x 10mm (4x)
3	240339	Dorner Nameplate (2x)
4	990808MSS	Acorn Nut M8-1.25
5	711119	Brace Assembly (Includes Items 6 through 12)
6	910-195	Hex Nut 5/16-18NF (2x)
7	801-131	Rod End Bearing SS (2x)
8	711117	Brace Tube
9	450186MSS	Clip
10	990609MSS	Jam Nut M6-1.0
11	450226SSP	Sleeve
12	960625MSS	Hex Head Cap Screw M6-1.0 x 25mm
13	807-1321	Teardrop Foot Assembly
14	458309	Caster Assembly (Includes Items 15 through 20)
15	961225MSS	Hex Head Cap Screw M12-1.75 x 25mm
16	911-519	Washer
17	807-1322	Caster
18	911-520	Washer

19	458308	Caster Stem
20	992010MSS	Jam Nut M20-2.50 (2x)
21	807-1304	Threaded Tube End
22	458311	Post - 2" (51mm) and 3" (76mm)
	458310	Post - 4" (102mm) through 18" (457mm)
23	961045MSS	Hex Head Cap Screw, M10-1.5 x 45mm - 2" (51mm) and 3" (76mm)
	961030MSS	Hex Head Cap Screw, M10-1.5 x 30mm - 4" (102mm) through 18" (457mm)
24	458312LAA*	Fixed Angle, Direct Mount Pivot Bracket LH
	458312RAA*	Fixed Angle, Direct Mount Pivot Bracket RH
	450527**	Direct Mount Slotted Pivot Bracket
25	458307LAA*	Fixed Angle, Heavy Load Drive Mount Bracket LH
	458307RAA*	Fixed Angle, Heavy Load Drive Mount Bracket RH
	450526**	Heavy Load Drive Mount Slotted Bracket
26	960620MSS	Hex Head Cap Screw M6-1.0 x 20mm
* AA = Angle 00 through 60 degrees in 01 degree increments		
** Bracket slot provides mounting from 0 through 60 degrees		

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.**

DORNER[®]

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. 1999

DORNER MFG. CORP.

975 Cottonwood Drive, PO Box 20
Hartland, WI 53029-0020 USA

USA

TEL 1-800-397-8664 (USA)

FAX 1-800-369-2440 (USA)

Internet: www.dorner.com

Outside the USA:

TEL 1-262-367-7600

FAX 1-262-367-5827