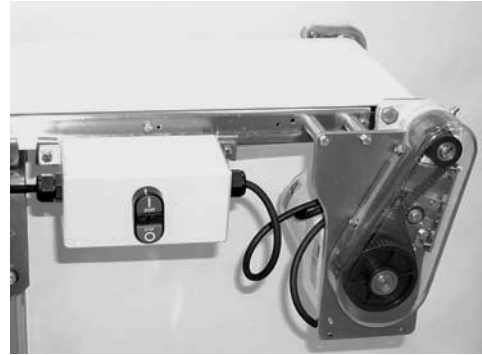


## 7200/7300 Series Bottom Mount Drive Package for Standard Load Parallel Shaft Sanitary Gearmotors



## Table of Contents

|  |    |   |    |
|--|----|---|----|
| Warnings – General Safety .....              | 2  | Preventative Maintenance & Adjustment ..... | 12 |
| Introduction .....                           | 2  | Required Tools .....                        | 12 |
| Product Description .....                    | 3  | Timing Belt or Chain Replacement .....      | 12 |
| Specifications .....                         | 3  | A – Timing Belt Replacement .....           | 12 |
| Installation .....                           | 5  | B – Timing Chain Replacement .....          | 12 |
| Required Tools .....                         | 5  | Service Parts .....                         | 14 |
| Drive Package Mounting .....                 | 5  | 7200 Series Drive Mounting Components ..... | 14 |
| A – Mounting a Timing Belt Drive Package ... | 5  | 7300 Series Drive Mounting Components ..... | 16 |
| B – Mounting a Timing Chain Drive Package .. | 7  | Return Policy .....                         | 18 |
| Motor Starter Mounting .....                 | 10 |   |    |
| Wiring .....                                 | 10 |   |    |
| Single-phase Motor Starter .....             | 10 |   |    |
| Three-phase Motor Starter .....              | 10 |   |    |
| VFD Controller .....                         | 11 |   |    |

## Warnings – General Safety

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

|   |                |
|---|----------------|
|   | <b>WARNING</b> |
| <p>Gearmotors may be HOT.<br/><b>DO NOT TOUCH</b> Gearmotors.</p> |                |

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

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

|  |               |
|--|---------------|
|  | <b>DANGER</b> |
| <p>Do NOT OPERATE CONVEYORS IN AN EXPLOSIVE ENVIRONMENT.</p> |               |

|  |                |
|--|----------------|
|  | <b>WARNING</b> |
| <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, <b>CHECK FOR POTENTIAL PINCH POINTS</b> and other mechanical hazards before system start-up.</p> |                |

|   |               |
|---|---------------|
|   | <b>DANGER</b> |
| <p>Hazardous voltage will cause severe injury or death.<br/><b>LOCKOUT POWER BEFORE WIRING.</b></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 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

Dorner 7200 and 7300 Series conveyors are covered by patent number 5174435, 6109427 and corresponding patents and patent applications in other countries.

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

# Product Description

Refer to Figure 1 for typical components (7300 Series with heavy duty sprocket kit shown).

| Typical Components |                        |
|--------------------|------------------------|
| A                  | Conveyor               |
| B                  | Mounting Bracket       |
| C                  | Gearmotor              |
| D                  | Timing Chain Tensioner |
| E                  | Cover                  |
| F                  | Timing Chain           |
| G                  | Drive Sprocket         |
| H                  | Driven Sprocket        |
| I                  | Motor Control          |

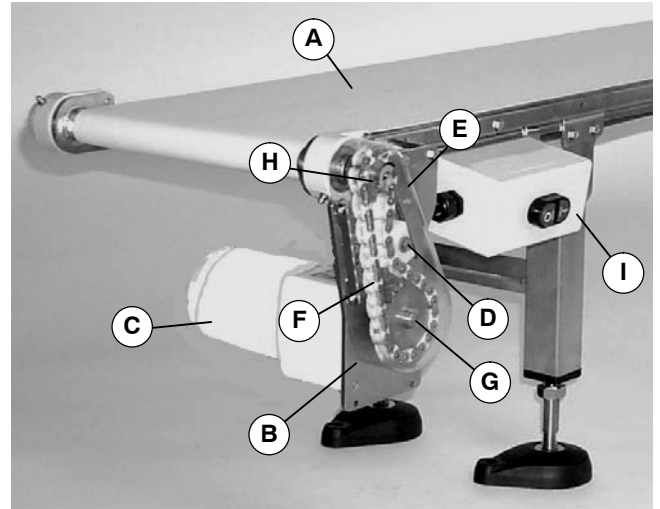


Figure 1

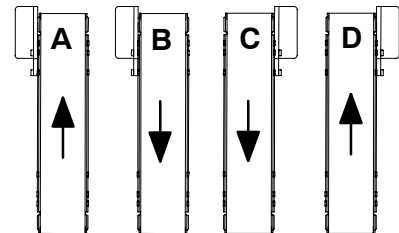
# Specifications

## Gearmotor Mounting Package Models:

Example:

7D M B P Y WW A = 3232

- 7D — Conveyor Series: 72 = 7200  
73 = 7300
- M — Mount Style = Bottom Mount
- B — Output Shaft Type = Parallel Shaft
- P — Gearmotor Type = Standard Load, Sanitary
- Y — Conveyor Width Reference\*
- WW — Mount Position = A, B, C or D (see detail to the right)
- A — Drive/Driven Pulleys (See tables 2 & 3)



\* See "Ordering and Specifications" Catalog for details.

Table 1: Gearmotor Specifications

|                    | Single-Phase                               | Three-Phase    | VFD Variable Speed |
|--------------------|--|----------------|--------------------|
| Output Power       | 0.12 hp (0.09 kw)                          |                |                    |
| Input Voltage      | 115 Volts A.C.                             | 230 Volts A.C. | 230 Volts A.C.     |
| Input Frequency    | 60 Hz                                      | 50/60 Hz       | 25 to 63 Hz        |
| Full Load Amperes  | 1.5 Amperes                                | 0.5 Amperes    |                    |
| Gearmotor Ratios   | 9:1 and 30:1                               |                |                    |
| Protection Ratings | IP65 for Gearmotor, IP55 for Motor Starter |                |                    |

# Specifications

**Table 2: Standard Load Fixed Speed Parallel Shaft 60 Hz Gearmotors**

| Gearmotor       |     |       |     | Conveyor Belt Speed |       | Belt Drive   |               | Chain Drive  |               |
|-----------------|-----|-------|-----|---------------------|-------|--------------|---------------|--------------|---------------|
| Part Number     | RPM | In-lb | N-m | ft/min              | M/min | Drive Pulley | Driven Pulley | Drive Pulley | Driven Pulley |
| 62M030PY4(vp)FN | 50  | 77    | 8.7 | 12                  | 3.7   | 22           | 32            | -            | -             |
| 62M030PY4(vp)FN | 50  | 77    | 8.7 | 21                  | 6.4   | -            | -             | 12           | 10            |
| 62M030PY4(vp)FN | 50  | 77    | 8.7 | 26                  | 7.9   | 32           | 22            | -            | -             |
| 62M030PY4(vp)FN | 50  | 77    | 8.7 | 32                  | 9.8   | -            | -             | 18           | 10            |
| 62M030PY4(vp)FN | 50  | 77    | 8.7 | 38                  | 11.6  | 48           | 22            | -            | -             |
| 62M009PY4(vp)FN | 167 | 26    | 2.8 | 58                  | 17.7  | 32           | 32            | -            | -             |
| 62M009PY4(vp)FN | 167 | 26    | 2.8 | 70                  | 21.3  | -            | -             | 12           | 10            |
| 62M009PY4(vp)FN | 167 | 26    | 2.8 | 94                  | 28.7  | -            | -             | 16           | 10            |
| 62M009PY4(vp)FN | 167 | 26    | 2.8 | 100                 | 30.5  | 48           | 28            | -            | -             |
| 62M009PY4(vp)FN | 167 | 26    | 2.8 | 117                 | 35.7  | -            | -             | 20           | 10            |
| 62M009PY4(vp)FN | 167 | 26    | 2.8 | 148                 | 45.1  | 48           | 19            | -            | -             |

(vp) = voltage and phase

11 = 115 V, Single-phase

23 = 230 V, Three-phase

**Table 3: Standard Load Variable Speed Parallel Shaft VFD Gearmotors**

| Gearmotor     |     |       |      | Conveyor Belt Speed |            | Timing Belt  |               | Timing Chain |               |
|---------------|-----|-------|------|---------------------|------------|--------------|---------------|--------------|---------------|
| Part Number   | RPM | In-lb | N-m  | ft/min              | M/min      | Drive Pulley | Driven Pulley | Drive Pulley | Driven Pulley |
| 62M030PY423EN | 50  | 109   | 12.3 | 2.0 – 12            | 0.6 – 3.7  | 22           | 32            | -            | -             |
| 62M030PY423EN | 50  | 109   | 12.3 | 4.3 – 26            | 1.3 – 7.9  | 32           | 22            | -            | -             |
| 62M030PY423EN | 50  | 109   | 12.3 | 3.5 – 21            | 1.1 – 6.4  | -            | -             | 12           | 10            |
| 62M030PY423EN | 50  | 109   | 12.3 | 5.3 – 32            | 1.6 – 9.8  | -            | -             | 18           | 10            |
| 62M030PY423EN | 50  | 109   | 12.3 | 6.3 – 38            | 1.9 – 11.6 | 48           | 22            | -            | -             |
| 62M009PY423EN | 167 | 37    | 4.2  | 9.7 – 58            | 2.9 – 17.7 | 32           | 32            | -            | -             |
| 62M009PY423EN | 167 | 37    | 4.2  | 11.7 – 70           | 3.6 – 21.3 | -            | -             | 12           | 10            |
| 62M009PY423EN | 167 | 37    | 4.2  | 13.3 – 80           | 4.1 – 24.4 | 44           | 32            | -            | -             |
| 62M009PY423EN | 167 | 37    | 4.2  | 15.7 – 94           | 4.8 – 28.7 | -            | -             | 16           | 10            |
| 62M009PY423EN | 167 | 37    | 4.2  | 16.7 – 100          | 5.1 – 30.5 | 48           | 28            | -            | -             |
| 62M009PY423EN | 167 | 37    | 4.2  | 19.5 – 117          | 5.9 – 35.7 | -            | -             | 20           | 10            |
| 62M009PY423EN | 167 | 37    | 4.2  | 24.7 – 148          | 7.5 – 45.1 | 48           | 19            | -            | -             |

\* At 60 Hz

**NOTE: For belt speed other than those listed, contact factory for details.**



## Required Tools

- Wrenches (for hexagon head fasteners)  
7 mm, 10 mm
- Hex key wrenches (for set screws)  
2.5 mm, 3 mm
- Straight edge
- Torque wrench

## Drive Package Mounting

- A- Mounting a timing belt drive package.
- B - Mounting a timing chain drive package.

### A – Mounting a Timing Belt Drive Package

1. Typical components (Figure 2)

**NOTE:** Figure 2 shows a 7200 Series mounting package with a timing belt and three-phase Motor Starter. Single-phase Motor Starter or VFD Controller similar. 7300 Series mounting package similar.

#### Illustration References

|   |  |
|---|--|
| J | Mounting Plate/Gearmotor Assembly  |
| K | Drive Pulley   |
| L | Driven Pulley  |
| M | Key (from conveyor assembly)   |
| N | M6 x 30 mm, Hexagon Head Screws (2 x) (7200)<br>M6 x 65 mm, Hexagon Head Screws (2 x) (7300) |
| O | Timing Belt  |
| P | Cover  |
| Q | Accessory Mounting Clips (2x)  |
| R | M6 x 20 mm, Hexagon Head Screws (2x)   |
| S | Typical Motor Starter  |

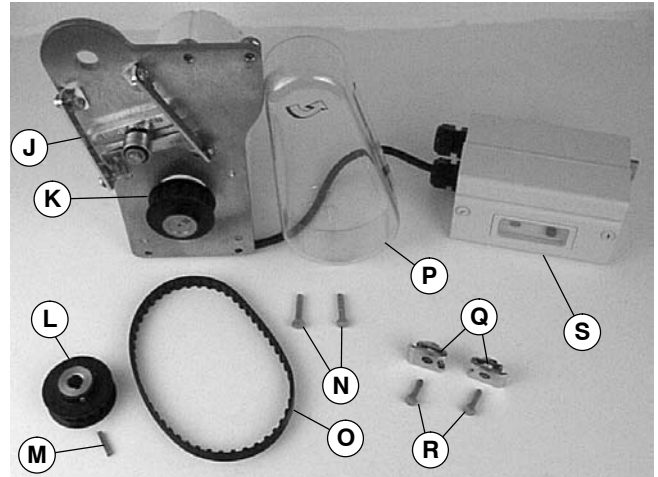


Figure 2

2. Locate conveyor input shaft (T of Figure 3) and remove two (2) screws (U).

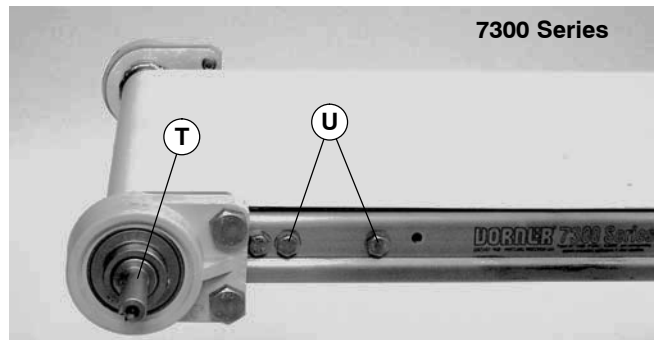
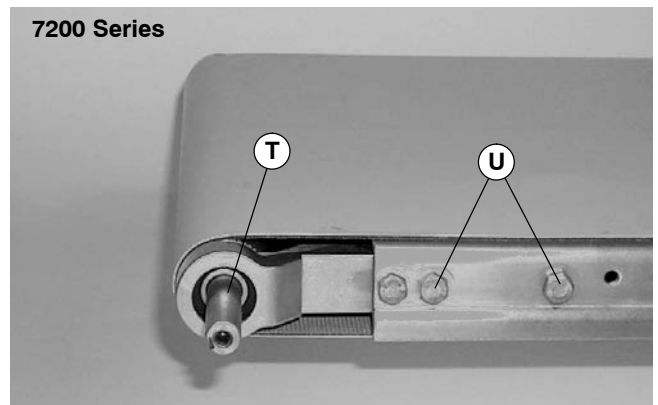


Figure 3

# Installation

**NOTE:** For a 7300 Series mounting package, install two 1.758" (44.7mm) long spacers (V of Figure 4) (shipped loose) between mounting plate/gearmotor assembly (J) and conveyor. On a 7200 Series (shown), the two 0.438" (11.1mm) long spacers (V) are attached to the mounting plate/gearmotor assembly.

3. Attach mounting plate/gearmotor assembly (J) with screws (N). Tighten to 92 in-lb (10.4 Nm).

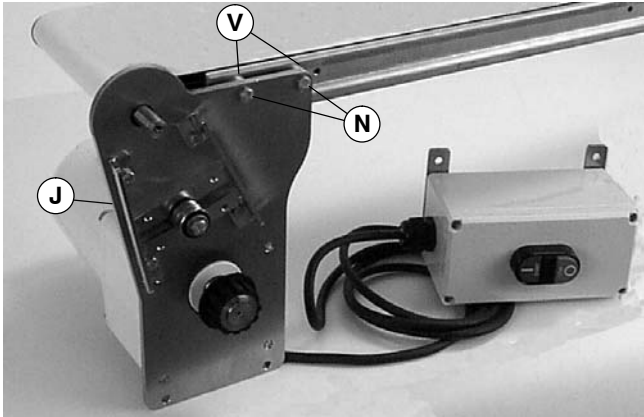


Figure 4



**NOTE:** Figures 6 and 7 show timing belt installation on a 7200 Series conveyor. Installation on a 7300 Series conveyor is similar.

4. Depending on conveyor belt travel (direction 1 or 2), locate timing belt tensioner (W of Figure 5) as shown. Do not tighten tensioner screw.

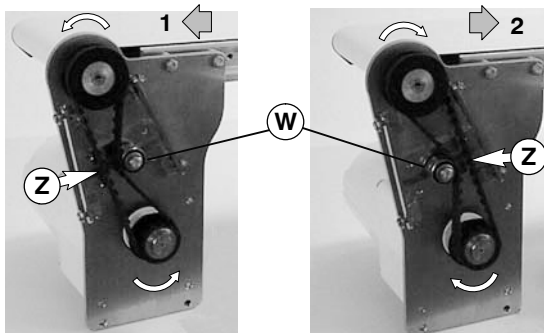


Figure 5

5. Install key (M of Figure 6) on conveyor input shaft (T).

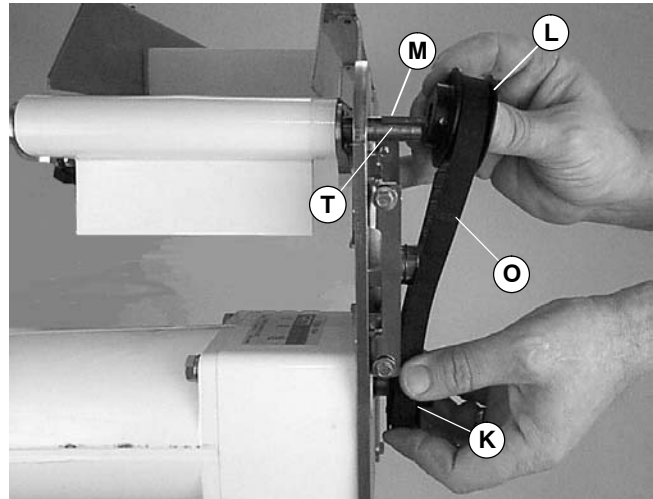


Figure 6

6. Wrap timing belt (O) around driven pulley (L) and drive pulley (K). Install driven pulley (L) onto conveyor input shaft (T) and key (M).
7. Using a straight edge (Y of Figure 7), align driven pulley (L) with drive pulley (K). Tighten driven pulley set screws (X).

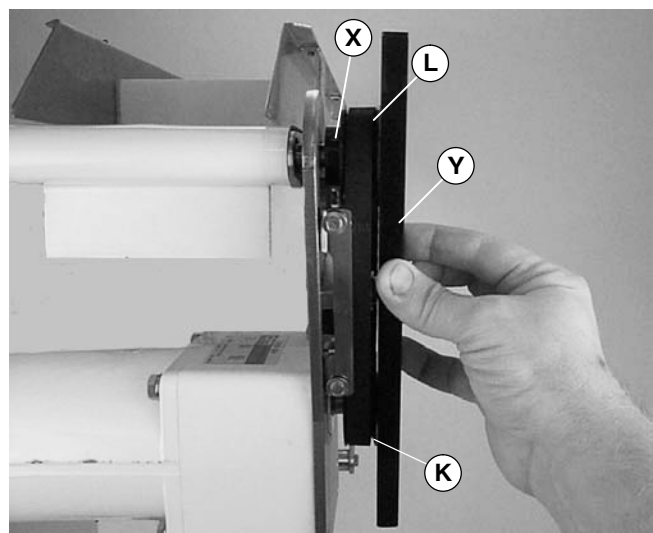


Figure 7

8. Tension timing belt to obtain 0.125" (3 mm) deflection for 1.0 lb (456 grams) of force at timing belt mid-point (Z of Figure 5). Tighten tensioner screw to 92 in-lb (10.4 Nm).



**NOTE: Do not over-tighten screws (AA of Figure 8).**

9. Install cover (P of Figure 8) and tighten four screws (AA) to 35 in-lb (4 Nm).

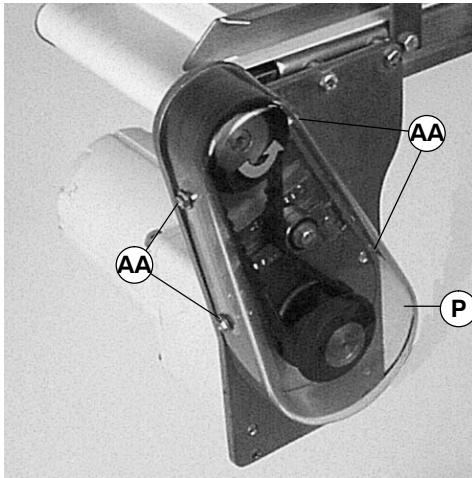


Figure 8

## B – Mounting a Timing Chain Drive Package

|  |   |
|--|---|
|  | <h3 style="margin: 0;">WARNING</h3> <p style="margin: 0;">Exposed moving parts can cause severe injury.</p> <p style="margin: 0;"><b>LOCK OUT POWER</b> before removing guards or performing maintenance.</p> |
|--|---|

### Illustration References

|    |  |
|----|--|
| J  | Mounting Plate/Gearmotor Assembly  |
| M  | Key (from conveyor assembly)   |
| N  | M6 x 30 mm, Hexagon Head Screws (2 x) (7200)<br>M6 x 65 mm, Hexagon Head Screws (2 x) (7300) |
| P  | Cover  |
| Q  | Accessory Mounting Clips (2x)  |
| R  | M6 x 20 mm, Hexagon Head Screws (2x)   |
| S  | Typical Motor Starter  |
| V  | Spacer (2x) (7300)   |
| AB | Drive Sprocket   |
| AC | Driven Sprocket  |
| AD | Timing Chain   |

1. Typical components (Figure 9)

**NOTE: Figure 9 shows a 7300 Series drive mounting package with a timing chain and single-phase motor starter. Three-phase motor starter or VFD controller is similar. 7200 Series drive mounting package is similar.**

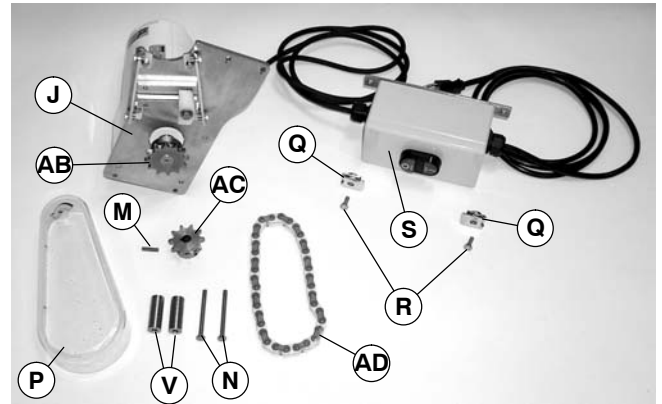


Figure 9

2. Locate conveyor input shaft (T of Figure 3) and remove two screws (U).

**NOTE: For a 7300 Series mounting package, install two 1.758" (44.7mm) long spacers (V of Figures 9 and 10) (shipped loose) between mounting plate/gearmotor assembly (J) and conveyor. On a 7200 Series (shown), two 0.438" (11.1mm) long spacers (V) are attached to the mounting plate/gearmotor assembly.**

3. Install mounting plate/gearmotor assembly (J) and spacers (see Note) with two screws (N). Tighten screws to 92 in-lb (10.4 Nm).

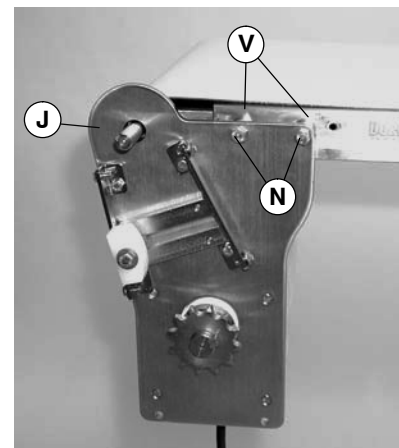


Figure 10

# Installation



**NOTE:** Figures 11 through 15 show timing chain installation on a 7200 Series conveyor. Installation on a 7300 Series conveyor is similar.

4. Install key (M of Figure 11) on drive spindle (AE).

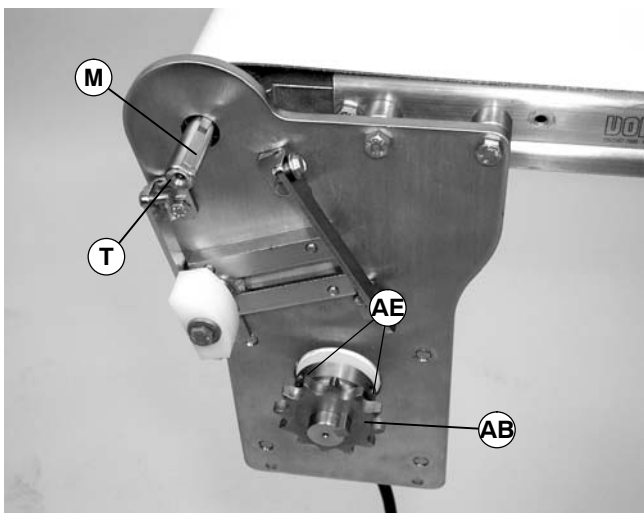


Figure 11

**NOTE:** Depending on sprocket sizes, it may be necessary to remove drive sprocket (AB of Figure 11) by loosen two set screws (AE) to install chain and sprockets.

5. Depending on conveyor belt travel (direction 1 or 2 of Figure 12), locate timing chain tensioner (AF) as shown. Do not tighten tensioner screw.

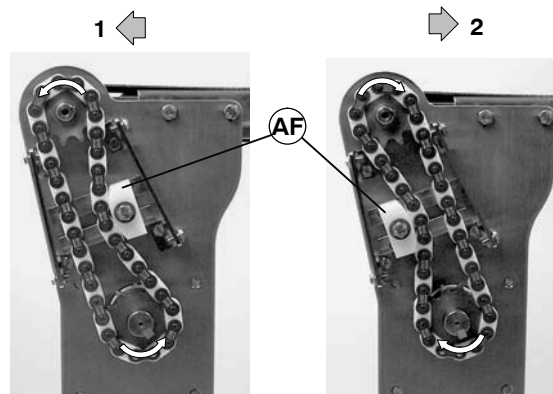


Figure 12

6. Install timing chain (AD of Figure 13) over sprockets (AB and AC). Install timing chain and sprockets on conveyor input shaft (T) and gearmotor output shaft (AG). Do not tighten sprocket set screws.

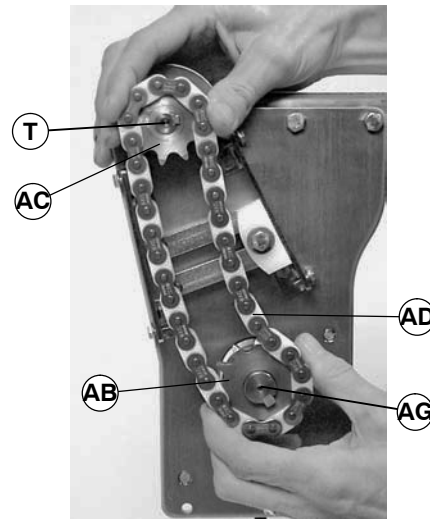


Figure 13



**IMPORTANT:** Make sure center of timing chain (AD of Figure 14) aligns with center of chain tensioner (AF). If necessary, loosen two set screws (AE) to move drive sprocket (AB) in or out. Tighten set screws. Also, if necessary, loosen two set screws (AH) to move driven sprocket (AC) in or out. Tighten set screws.

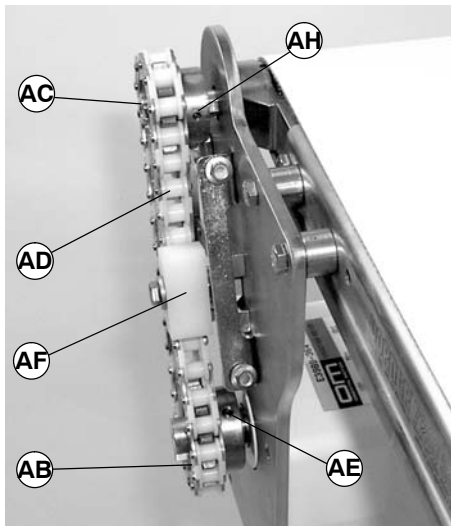


Figure 14

**NOTE:** Do not over-tension chain (AD). Only tension chain until slack is removed.

- Slide chain tensioner (AF) to take up chain slack. Tighten chain tensioner screw to 92 in-lb (10.4 Nm).

**NOTE:** Do not over-tighten screws (AA of Figure 15).

- Install cover (P of Figure 15) and tighten four screws (AA) to 35 in-lb (4 Nm).

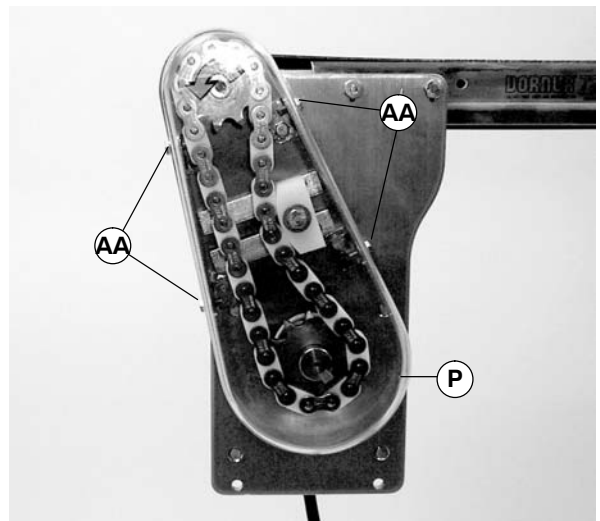


Figure 15

# Installation

## Motor Starter Mounting

**NOTE:** Single-phase Motor Starter shown, Three-phase Starter similar. For VFD controller mounting, see accessory instructions.

1. Attach two accessory mounting clips (Q of Figure 16) to motor starter (S) with two M6 x 20mm hex head cap screws (R). Do not tighten screws.

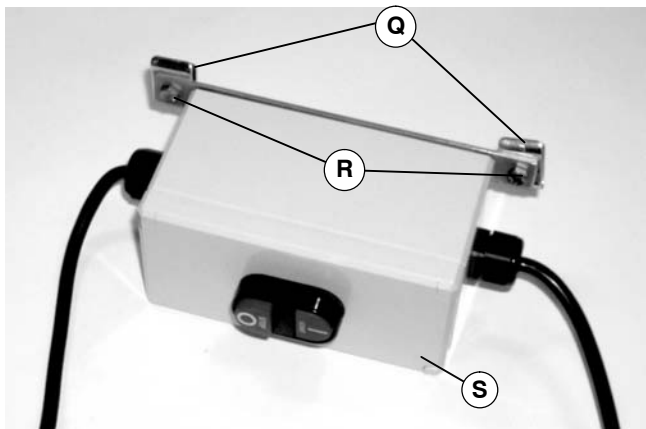


Figure 16

2. Attach motor starter (S of Figure 17) with clips to conveyor. Tighten screws (R) to 92 in-lb (10.4 Nm).

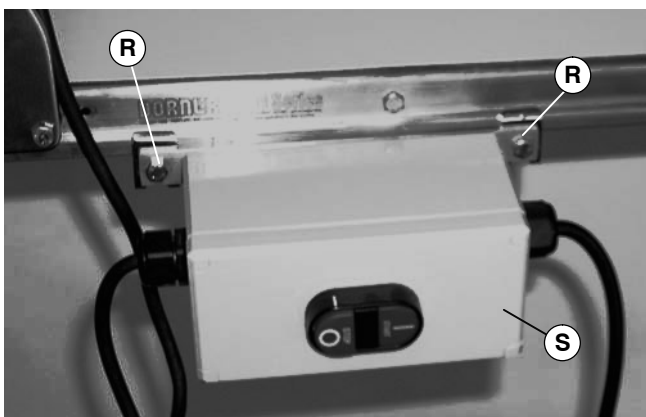


Figure 17

## Wiring

### Single-phase Motor Starter

**NOTE:** Power cord must be plugged into a GFI outlet. No additional wiring is required.

### Three-phase Motor Starter

|  |   |
|--|---|
|  | <b>! DANGER</b>   |
|  | Hazardous voltage will cause severe injury or death.<br><b>LOCKOUT POWER BEFORE WIRING.</b> |

**NOTE:** 230 volt three-phase manual motor starters must be wired in accordance with applicable electrical codes.

1. Loosen cover screws (AI of Figure 18). Remove cover.

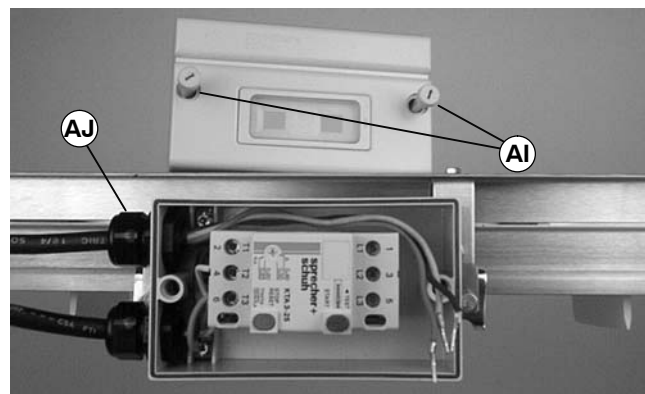


Figure 18

**NOTE:** Line cord must be 0.28" (7 mm) minimum to 0.47" (12 mm) maximum in diameter.

2. Insert line cord through grip (AJ) and tighten nut.

3. For correct three-phase motor shaft rotation, connect line phase sequence L1, L2 & L3 to terminals as shown (Figure 19).

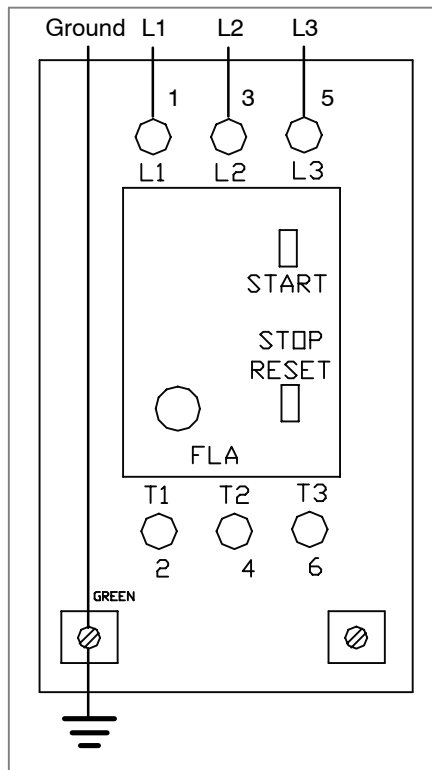


Figure 19

**! WARNING !**

Controller must be properly grounded. Failure to properly ground control box may cause injury to personnel.

**NOTE:** The motor ground wire is also attached to left terminal marked  $\perp$  (Figure 19).

4. Attach ground wire to lower left terminal marked  $\perp$  (see Figure 19).
5. Install cover and tighten screws (AI of Figure 18).

## VFD Controllers

**NOTE:** Refer to VFD Controller Set-up, Operation & Maintenance Manual.

**! WARNING !**

Controller must be properly grounded. Failure to properly ground control box may cause injury to personnel.

**NOTE:** The motor ground wire is also attached to left terminal marked  $\perp$  (Figure 19).

6. Attach ground wire to lower left terminal marked  $\perp$  (see Figure 19).
7. Replace starter cover and tighten screws (AI of Figure 18).

## VFD Controllers

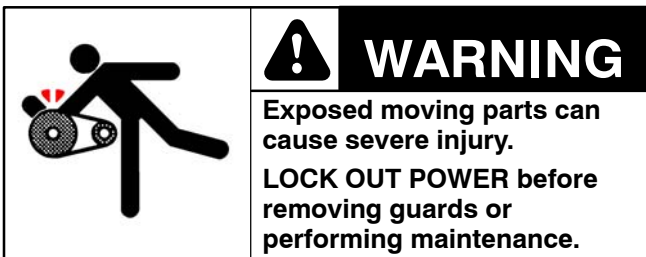
**NOTE:** Refer to VFD Controller Set-up, Operation & Maintenance Manual.

# Preventive Maintenance & Adjustment

## Required Tools

- Wrenches (for hexagon head fasteners)  
7 mm, 10 mm
- Hex key wrenches (for set screws)  
2.5 mm, 3 mm
- Straight edge
- Torque wrench

## Timing Belt or Chain Replacement



Replace timing belt or chain following instructions:

- A – Timing Belt Replacement
- B – Timing Chain Replacement

### A – Timing Belt Replacement

1. Loosen four screws (AA of Figure 20) and remove cover (P).

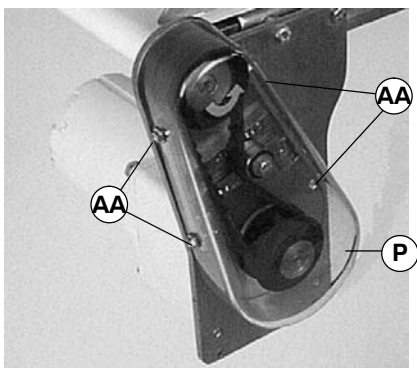


Figure 20

2. Loosen tensioner (W of Figure 21).

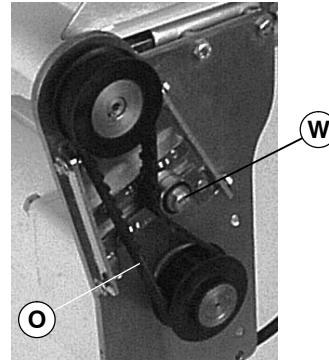


Figure 21

3. Remove timing belt (O).

---

**NOTE:** If timing belt does not slide over pulley flange, loosen two driven pulley set screws (X of Figure 7) and remove driven pulley with belt. For installation, see steps 6 and 7 on page 6.

---

4. Install new timing belt.
5. Depending on conveyor belt travel (direction 1 or 2 of Figure 22), locate timing belt tensioner (W) as shown. Tension timing belt to obtain 0.125" (3 mm) deflection for 1.0 lb (456 grams) of force at timing belt mid-point (Z). Tighten tensioner screw to 92 in-lb (10.4 Nm).

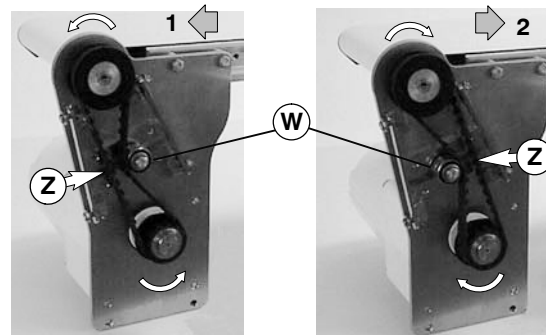


Figure 22

---

**NOTE:** Do not over-tighten screws (AA of Figure 20).

---

6. Install cover (P of Figure 20) and tighten four screws (AA) to 35 in-lb (4 Nm).

### B – Timing Chain Replacement

1. Loosen four screws (AA of Figure 23) and remove cover (P).

# Preventive Maintenance & Adjustment

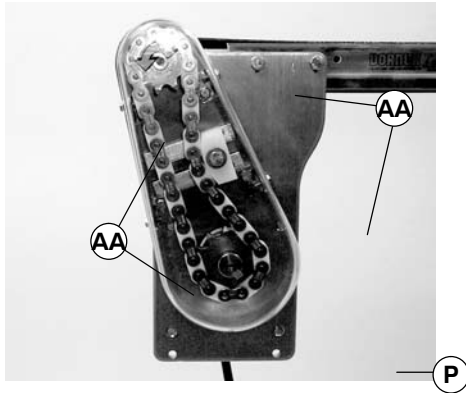


Figure 23

2. Loosen timing chain tensioner screw (AK of Figure 24).

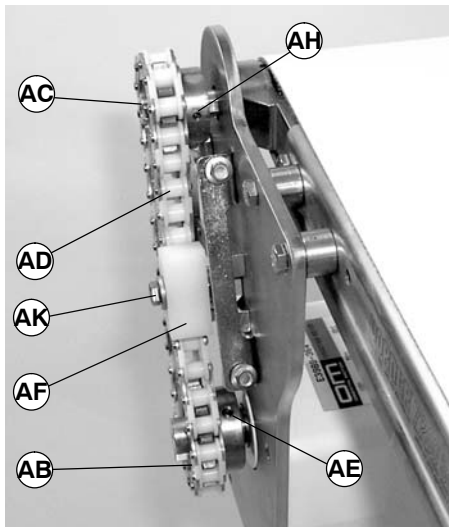


Figure 24

3. Loosen four set screws (AE) and (AH).
4. Remove timing chain (AD) and sprockets (AB and AC) from conveyor input shaft and gearmotor output shaft. Make sure to retain sprocket keys.
5. Depending on conveyor belt travel (direction 1 or 2 of Figure 25), locate timing chain tensioner (AF) as shown. Do not tighten tensioner screw.

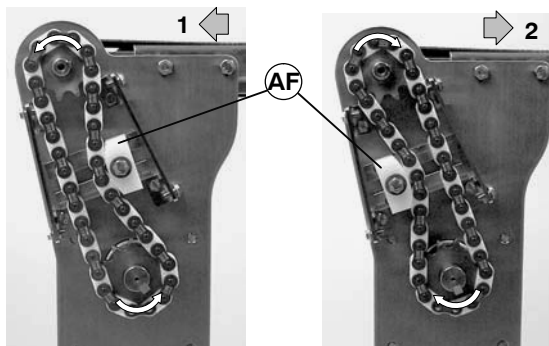


Figure 25

---

**NOTE:** Make sure sprocket keys are installed on conveyor input shaft (T of Figure 26) and gearmotor output shaft (AG).

---

6. Install new timing chain (AD) over sprockets (AB and AC). Install timing chain and sprockets on conveyor input shaft (T) and gearmotor output shaft (AG). Do not tighten sprocket set screws.

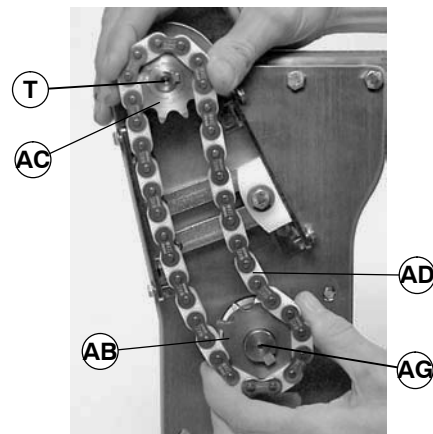


Figure 26

---

**IMPORTANT:** Make sure center of timing chain (AD of Figure 24) aligns with center of chain tensioner (AF). If necessary, loosen two set screws (AE) to move drive sprocket (AB) in or out. Tighten set screws. Also, if necessary, loosen two set screws (AH) to move driven sprocket (AC) in or out. Tighten set screws.

---

---

**NOTE:** Do not overtension chain (AD). Only tension chain until slack is removed.

---

7. Slide chain tensioner (AF) to take up chain slack. Tighten chain tensioner screw (AK of Figure 24) to 92 in-lb (10.4 Nm).


---

**NOTE:** Do not over-tighten screws (AA of Figure 23).

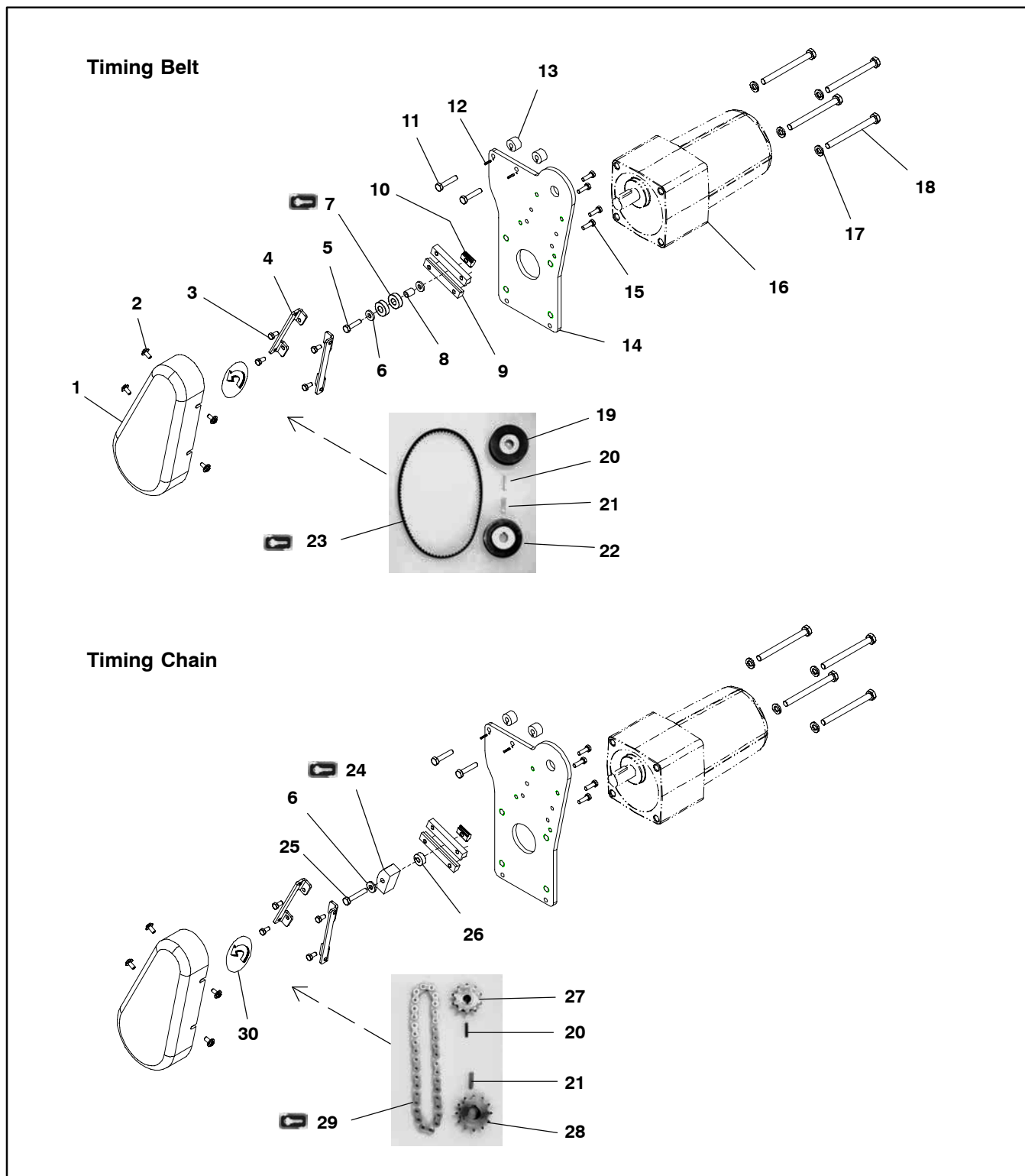
---

8. Install cover (P of Figure 23) and tighten four screws (AA) to 35 in-lb (4 Nm).

# Service Parts

**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.

## 7200 Series Drive Mounting Components





# Service Parts

| Item | Part Number           | Description                           |
|------|-----------------------|---------------------------------------|
| 1    | 450028P               | Cover, Clear                          |
| 2    | 807-968               | Hex Flange Head Screw M5-.8x10mm      |
| 3    | 960510MSS             | Hex Head Cap Screw M5-.8x10mm         |
| 4    | 450181MSS             | Cover Mounting Bracket SS             |
| 5    | 960625MSS             | Hex Head Cap Screw M6-1.0x25mm        |
| 6    | 911-201               | Flat Washer 1/4" SS                   |
| 7    | 802-123               | Bearing (2x)                          |
| 8    | 801-116               | Nylon Bearing                         |
| 9    | 450178MSS             | Slide Bar, Tensioner                  |
| 10   | 639971MSS             | Drop-In T-Bar                         |
| 11   | 960630MSS             | Hex Head Cap Screw M6-1.0x30mm        |
| 12   | 807-998               | Grooved Pin SS                        |
| 13   | 456029                | Drive Mounting Plate Spacer SS        |
| 14   | 450179MSS             | Drive Mounting Plate                  |
| 15   | 960516MSS             | Hex Head Cap Screw M5-.8x16mm         |
| 16   | 62M009PY411           | Gearmotor, 115V Single Phase, 167 RPM |
|      | 62M030PY411           | Gearmotor, 115V Single Phase, 50 RPM  |
|      | 62M009PY423           | Gearmotor, 230V Three Phase, 167 RPM  |
|      | 62M030PY423           | Gearmotor, 230V Three Phase, 50 RPM   |
| 17   | 911-120               | Lock Washer, 5/16"                    |
| 18   | 960890MSS             | Hex Head Cap Screw M8-1.25x90mm       |
| 19   | 450101                | Driven Pulley, 19 Tooth, 12mm Bore    |
|      | 450102                | Driven Pulley, 22 Tooth, 12mm Bore    |
|      | 450103                | Driven Pulley, 28 Tooth, 12mm Bore    |
|      | 450104                | Driven Pulley, 32 Tooth, 12mm Bore    |
| 20   | 980422MSS             | Square Key, 4x22mm                    |
| 21   | 826-318               | Square Key, 6x25mm                    |
| 22   | 450391M               | Drive Pulley, 22 Tooth, 18mm Bore     |
|      | 450393M               | Drive Pulley, 32 Tooth, 18mm Bore     |
|      | 450394M               | Drive Pulley, 44 Tooth, 18mm Bore     |
|      | 450395M               | Drive Pulley, 48 Tooth, 18mm Bore     |
| 23   | See Timing Belt Table | Timing Belt, 15mm                     |

|    |                          |                                      |
|----|--------------------------|--------------------------------------|
| 24 | 456048                   | Chain Tensioner                      |
| 25 | 960635MSS                | Hex Head Cap Screw M6-1.0x35mm       |
| 26 | 450182SS                 | Drive Spacer SS                      |
| 27 | 811-296                  | Driven Sprocket, 10 Tooth, 12mm Bore |
| 28 | 811-302                  | Drive Sprocket, 12 Tooth, 18mm Bore  |
|    | 811-304                  | Drive Sprocket, 16 Tooth, 18mm Bore  |
|    | 811-305                  | Drive Sprocket, 18 Tooth, 18mm Bore  |
|    | 811-306                  | Drive Sprocket, 20 Tooth, 18mm Bore  |
| 29 | See Timing Chain Table 0 | Timing Chain, #40                    |
| 30 | 450272P                  | Rotation Label CW                    |
|    | 450273P                  | Rotation Label CCW                   |

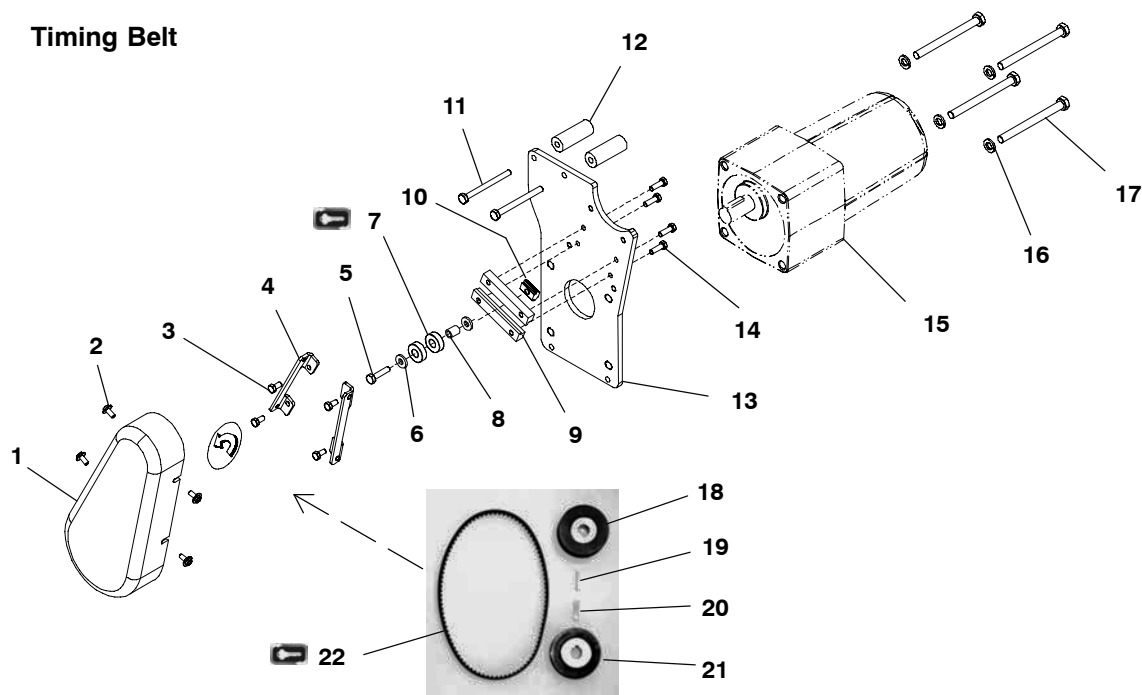
| Item 23: Standard Timing Belts |               |             |             |
|--------------------------------|---------------|-------------|-------------|
| Pulley Teeth                   |               | Belt Length | Part Number |
| Drive Pulley                   | Driven Pulley |             |             |
| 22                             | 32            | 460 mm      | 814-105     |
| 32                             | 22            | 450 mm      | 814-104     |
| 32                             | 32            | 475 mm      | 814-065     |
| 44                             | 32            | 520 mm      | 814-108     |
| 48                             | 19            | 500 mm      | 814-101     |
| 48                             | 22            | 500 mm      | 814-101     |
| 48                             | 28            | 535 mm      | 814-064     |

| Item 29: Standard Timing Chains |                 |              |             |
|---------------------------------|-----------------|--------------|-------------|
| Sprocket Teeth                  |                 | Pitch Length | Part Number |
| Drive Sprocket                  | Driven Sprocket |              |             |
| 22                              | 32              | 35           | 456050      |
| 32                              | 22              | 37           | 456052      |
| 32                              | 32              | 39           | 456053      |
| 44                              | 32              | 39           | 456053      |

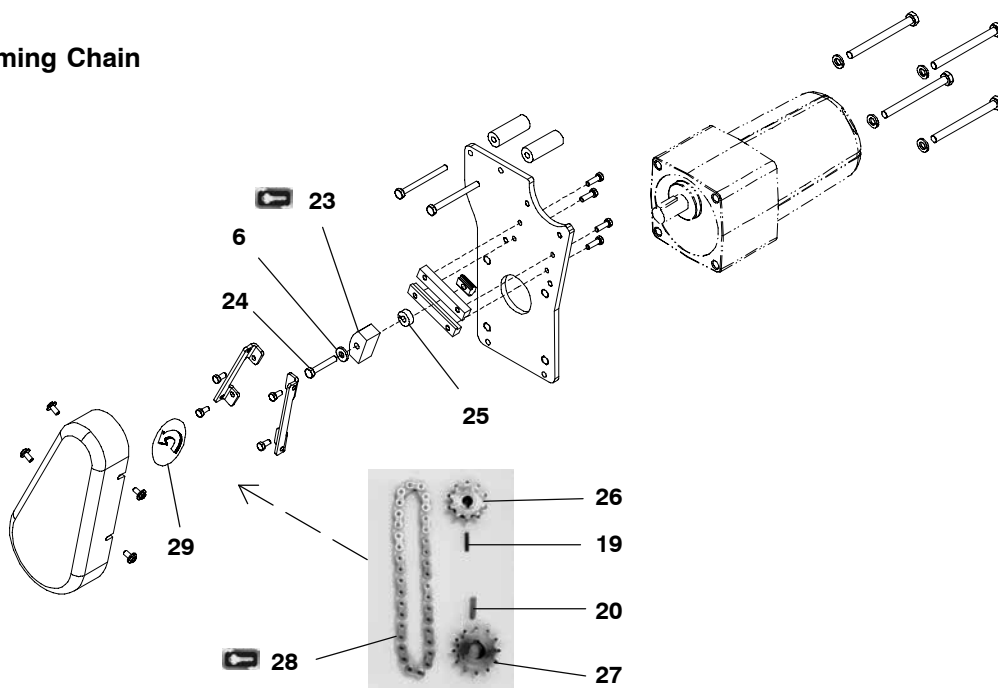
# Service Parts

## 7300 Series Drive Mounting Components

### Timing Belt



### Timing Chain



# Service Parts

| Item | Part Number           | Description                           |
|------|-----------------------|---------------------------------------|
| 1    | 450028P               | Cover, Clear                          |
| 2    | 807-968               | Hex Flange Head Screw M5-.8x10mm      |
| 3    | 960510MSS             | Hex Head Cap Screw M5-.8x10mm         |
| 4    | 450181MSS             | Cover Mounting Bracket SS             |
| 5    | 960625MSS             | Hex Head Cap Screw M6-1.0x25mm        |
| 6    | 911-201               | Flat Washer 1/4" SS                   |
| 7    | 802-123               | Bearing (2x)                          |
| 8    | 801-116               | Nylon Bearing                         |
| 9    | 450178MSS             | Slide Bar, Tensioner                  |
| 10   | 639971MSS             | Drop-In T-Bar                         |
| 11   | 960665MSS             | Hex Head Cap Screw M6-1.0x65mm        |
| 12   | 457850                | Drive Mounting Plate Spacer SS        |
| 13   | 701472                | Drive Mounting Plate                  |
| 14   | 960516MSS             | Hex Head Cap Screw M5-.8x16mm         |
| 15   | 62M009PY411           | Gearmotor, 115V Single Phase, 167 RPM |
|      | 62M030PY411           | Gearmotor, 115V Single Phase, 50 RPM  |
|      | 62M009PY423           | Gearmotor, 230V Three Phase, 167 RPM  |
|      | 62M030PY423           | Gearmotor, 230V Three Phase, 50 RPM   |
| 16   | 911-120               | Lock Washer, 5/16"                    |
| 17   | 960890MSS             | Hex Head Cap Screw M8-1.25x90mm       |
| 18   | 450101                | Driven Pulley, 19 Tooth, 12mm Bore    |
|      | 450102                | Driven Pulley, 22 Tooth, 12mm Bore    |
|      | 450103                | Driven Pulley, 28 Tooth, 12mm Bore    |
|      | 450104                | Driven Pulley, 32 Tooth, 12mm Bore    |
| 19   | 980422MSS             | Square Key, 4x22mm                    |
| 20   | 826-318               | Square Key, 6x25mm                    |
| 21   | 450391M               | Drive Pulley, 22 Tooth, 18mm Bore     |
|      | 450393M               | Drive Pulley, 32 Tooth, 18mm Bore     |
|      | 450394M               | Drive Pulley, 44 Tooth, 18mm Bore     |
|      | 450395M               | Drive Pulley, 48 Tooth, 18mm Bore     |
| 22   | See Timing Belt Table | Timing Belt, 15mm                     |

|    |                       |                                      |
|----|-----------------------|--------------------------------------|
| 23 | 456048                | Chain Tensioner                      |
| 24 | 960635MSS             | Hex Head Cap Screw M6-1.0x35mm       |
| 25 | 450182SS              | Drive Spacer SS                      |
| 26 | 811-296               | Driven Sprocket, 10 Tooth, 12mm Bore |
| 27 | 811-302               | Drive Sprocket, 12 Tooth, 18mm Bore  |
|    | 811-304               | Drive Sprocket, 16 Tooth, 18mm Bore  |
|    | 811-305               | Drive Sprocket, 18 Tooth, 18mm Bore  |
|    | 811-306               | Drive Sprocket, 20 Tooth, 18mm Bore  |
| 28 | See Timing Belt Table | Timing Chain, #40 x 35 Pitch Length  |
| 29 | 450272P               | Rotation Label CW                    |
|    | 450273P               | Rotation Label CCW                   |

| Item 22: Standard Timing Belts |               |             |             |
|--------------------------------|---------------|-------------|-------------|
| Pulley Teeth                   |               | Belt Length | Part Number |
| Drive Pulley                   | Driven Pulley |             |             |
| 22                             | 32            | 460 mm      | 814-105     |
| 32                             | 22            | 450 mm      | 814-104     |
| 32                             | 32            | 475 mm      | 814-065     |
| 44                             | 32            | 520 mm      | 814-108     |
| 48                             | 19            | 500 mm      | 814-101     |
| 48                             | 22            | 500 mm      | 814-101     |
| 48                             | 28            | 535 mm      | 814-064     |

| Item 28: Standard Timing Chains |                 |              |             |
|---------------------------------|-----------------|--------------|-------------|
| Sprocket Teeth                  |                 | Pitch Length | Part Number |
| Drive Sprocket                  | Driven Sprocket |              |             |
| 22                              | 32              | 35           | 456050      |
| 32                              | 22              | 37           | 456052      |
| 32                              | 32              | 39           | 456053      |
| 44                              | 32              | 39           | 456053      |

---

## 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](http://www.dorner.com)

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

**DORNER<sup>®</sup>**

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. 2000

**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](http://www.dorner.com)**

**Outside the USA:**

**TEL 1-262-367-7600**

**FAX 1-262-367-5827**