

3200 & LPZ Series Bottom Mount Drive Package for Light & Standard Load 60 Hz Gearmotors



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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> | | |

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

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

| | | |
|---|--|----------------|
| | | WARNING |
| <p>Exposed moving parts can cause severe injury. REPLACE ALL GUARDS BEFORE RUNNING CONVEYOR.</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.</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. LOCK OUT POWER before removing guards or performing maintenance.</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 3200 Series conveyors are covered by patent numbers 5156260, 5156261, 5203447, 5265714 and patent applications in other countries.

Dorner LPZ Series conveyors are covered by patent numbers 5156260, 5156261, 5203447, 5265714, 5875883 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.

Product Description

Refer to Figure 1 for typical components.

| Typical Components | |
|--------------------|-----------------------|
| A | Conveyor |
| B | Mounting Bracket |
| C | Gearmotor |
| D | Timing Belt Tensioner |
| E | Cover |
| F | Timing Belt |
| G | Drive Pulley |
| H | Driven Pulley |

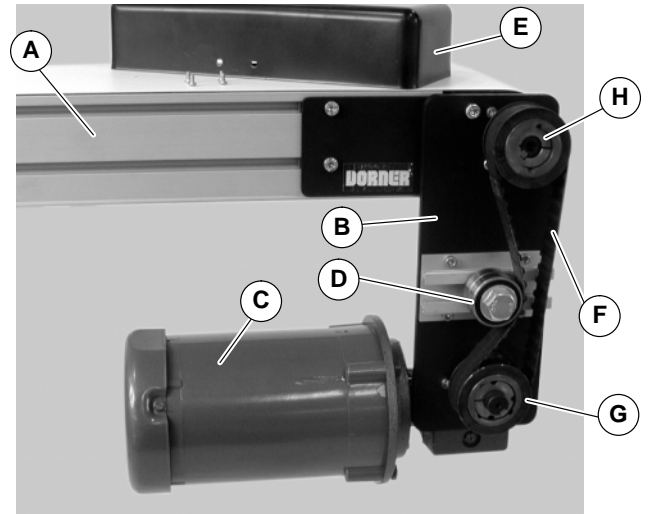


Figure 1

Specifications

Gearmotor Mounting Package Models:

Example:

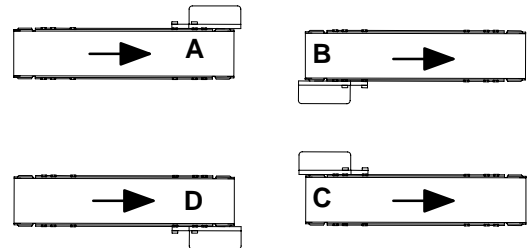
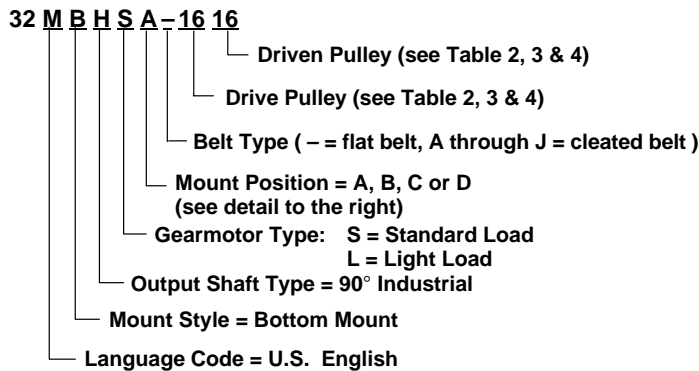


Table 1: Gearmotor Specifications

| Item | Light Load Gearmotor | | | Standard Load Gearmotor | | | |
|-------------------------|------------------------------|-------------------|-------------------|------------------------------|-------------------|--------------------|-------------------|
| | Single-Phase | Three Phase | DC Variable Speed | Single-Phase | Three Phase | VFD Variable Speed | DC Variable Speed |
| Output Power | 0.25 hp (0.19 kw) | | | 0.5 hp (0.37 kw) | | | |
| Input Voltage | 115VAC | 208 – 230/460 VAC | 130VDC | 115VAC | 208 – 230/460 VAC | 230 VAC | 90VDC |
| Input Frequency | 60Hz | | N/A | 60Hz | | 10 – 60Hz | N/A |
| Input Current (Amperes) | 5.0 | 1.2/0.6 | 2.2 | 7.4 | 2.1 – 2/1 | 1.6 | 5.0 |
| Gearmotor Ratios | 5:1, 10:1, 20:1, 40:1, 60:1 | | | 5:1, 10:1, 20:1, 40:1, 60:1 | | | |
| Frame Size | NEMA 42CZ | | | NEMA 56C | | | |
| Motor Type | Totally enclosed, Fan cooled | | | Totally enclosed, Fan cooled | | | |

Specifications

Table 2: Belt Speeds for Fixed Speed 90° 60 Hz Gearmotors

| Light Load Gearmotors | | | | Standard Load Gearmotors | | | | Belt Speed | | Drive Pulley | Driven Pulley |
|-----------------------|-----|-------|------|--------------------------|-----|-------|------|------------|-------|--------------|---------------|
| Part Number | RPM | In-lb | N-m | Part Number | RPM | In-lb | N-m | Ft/min | M/min | | |
| 32M060HL4(vp)FN | 29 | 226 | 25.5 | 32M060HS4(vp)FN | 29 | 226 | 25.5 | 23 | 7.0 | 16 | 16 |
| 32M040HL4(vp)FN | 43 | 237 | 26.8 | 32M040HS4(vp)FN | 43 | 247 | 27.9 | 34 | 10.4 | 16 | 16 |
| 32M040HL4(vp)FN | 43 | 237 | 26.8 | 32M040HS4(vp)FN | 43 | 247 | 27.9 | 52 | 15.8 | 24 | 16 |
| 32M020HL4(vp)FN | 86 | 142 | 16 | 32M020HS4(vp)FN | 86 | 248 | 27.9 | 69 | 21.0 | 16 | 16 |
| 32M020HL4(vp)FN | 86 | 142 | 16 | 32M020HS4(vp)FN | 86 | 248 | 27.9 | 103 | 31.4 | 24 | 16 |
| 32M010HL4(vp)FN | 173 | 78 | 8.8 | 32M010HS4(vp)FN | 173 | 156 | 17.6 | 137 | 41.8 | 16 | 16 |
| 32M010HL4(vp)FN | 173 | 78 | 8.8 | 32M010HS4(vp)FN | 173 | 156 | 17.6 | 172 | 52.4 | 20 | 16 |
| 32M010HL4(vp)FN | 173 | 78 | 8.8 | 32M010HS4(vp)FN | 173 | 156 | 17.6 | 206 | 62.8 | 24 | 16 |
| N/A | N/A | N/A | N/A | 32M005HS4(vp)FN | 345 | 81 | 9.1 | 275 | 83.8 | 16 | 16 |
| N/A | N/A | N/A | N/A | 32M005HS4(vp)FN | 345 | 81 | 9.1 | 343 | 104.5 | 20 | 16 |
| N/A | N/A | N/A | N/A | 32M005HS4(vp)FN | 345 | 81 | 9.1 | 412 | 125.6 | 24 | 16 |

(vp) = voltage and phase
 11 = 115 V, 1-phase
 23 = 208 – 230/460 V, 3-phase

Table 3: Belt Speeds for Variable Speed 90° DC Gearmotors

| Light Load Gearmotors | | | | Standard Load Gearmotors | | | | Belt Speed | | Drive Pulley | Driven Pulley |
|-----------------------|-----|-------|------|--------------------------|-----|-------|------|------------|----------|--------------|---------------|
| Part Number | RPM | In-lb | N-m | Part Number | RPM | In-lb | N-m | Ft/min | M/min | | |
| 32M060HLD3DEN | 42 | 198 | 22.4 | 32M060HSD9DEN | 42 | 198 | 22.4 | 4.0 – 33 | 1.2 – 10 | 16 | 16 |
| 32M040HLD3DEN | 63 | 163 | 18.4 | 32M040HSD9DEN | 63 | 215 | 24.3 | 6.0 – 50 | 1.8 – 15 | 16 | 16 |
| 32M040HLD3DEN | 63 | 163 | 18.4 | 32M040HSD9DEN | 63 | 215 | 24.3 | 9.0 – 75 | 2.7 – 23 | 24 | 16 |
| 32M020HLD3DEN | 125 | 98 | 11.1 | 32M020HSD9DEN | 125 | 196 | 22.1 | 12 – 100 | 3.6 – 30 | 16 | 16 |
| 32M020HLD3DEN | 125 | 98 | 11.1 | 32M020HSD9DEN | 125 | 196 | 22.1 | 18 – 150 | 5.5 – 45 | 24 | 16 |
| 32M010HLD3DEN | 250 | 54 | 6.1 | 32M010HSD9DEN | 250 | 108 | 12.2 | 24 – 200 | 7.3 – 61 | 16 | 16 |
| 32M010HLD3DEN | 250 | 54 | 6.1 | 32M010HSD9DEN | 250 | 108 | 12.2 | 30 – 250 | 9.1 – 76 | 20 | 16 |
| 32M010HLD3DEN | 250 | 54 | 6.1 | 32M010HSD9DEN | 250 | 108 | 12.2 | 36 – 300 | 11 – 92 | 24 | 16 |

Table 4: Belt Speeds for Fixed Speed 90° VFD Gearmotors



| Standard Load Gearmotors | | | | Belt Speed | | Drive Pulley | Driven Pulley |
|--------------------------|-----|-------|------|--------------|--------------|--------------|---------------|
| Part Number | RPM | In-lb | N-m | Ft/min | M/min | | |
| 32M060HS423EN | 29 | 226 | 25.5 | 2.3 – 22.9 | 0.7 – 7.0 | 16 | 16 |
| 32M040HS423EN | 43 | 247 | 27.9 | 3.4 – 34.3 | 1.0 – 10.5 | 16 | 16 |
| 32M040HS423EN | 43 | 247 | 27.9 | 5.1 – 51.5 | 1.6 – 15.7 | 24 | 16 |
| 32M020HS423EN | 86 | 248 | 27.9 | 6.9 – 68.6 | 2.1 – 20.9 | 16 | 16 |
| 32M020HS423EN | 86 | 248 | 27.9 | 10.3 – 103.0 | 3.1 – 31.4 | 24 | 16 |
| 32M010HS423EN | 173 | 156 | 17.6 | 13.7 – 137.3 | 4.2 – 41.9 | 16 | 16 |
| 32M010HS423EN | 173 | 156 | 17.6 | 17.2 – 171.6 | 5.2 – 52.3 | 20 | 16 |
| 32M010HS423EN | 173 | 156 | 17.6 | 20.6 – 205.9 | 6.3 – 62.8 | 24 | 16 |
| 32M005HS423EN | 345 | 81 | 9.1 | 27.5 – 274.6 | 8.4 – 83.7 | 16 | 16 |
| 32M005HS423EN | 345 | 81 | 9.1 | 34.3 – 343.2 | 10.5 – 104.6 | 20 | 16 |
| 32M005HS423EN | 345 | 81 | 9.1 | 41.2 – 411.9 | 12.6 – 125.6 | 24 | 16 |



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

Required Tools

- Hex key wrenches:
2 mm, 2.5 mm, 3 mm, 5 mm
- Straight edge
- Torque wrench

Mounting

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

| | |
|---|---|
|  |  WARNING |
| | <p>For Cleated Belt Conveyors, Gearmotors must be mounted as shown in Figure 2.</p> <p>Failure to do so creates pinch points which can cause severe injury.</p> |

NOTE: Gearmotor position on Flat Belt conveyor shown below left, Figure 2. Gearmotor position on Cleated Belt conveyor shown below right, Figure 2.

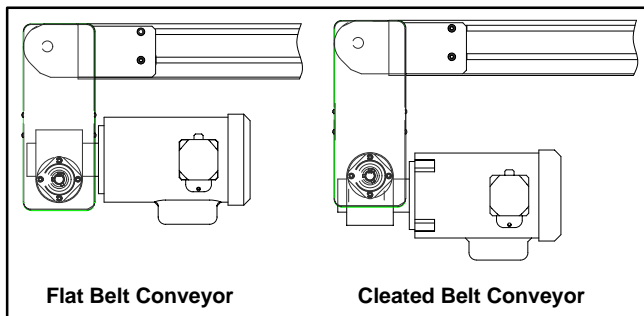


Figure 2

| Installation Component List | |
|-----------------------------|----------------------------|
| I | Bottom Mount Assembly |
| J | Drive Pulley |
| K | Cover |
| L | M4 Socket Head Screws (4x) |
| M | Driven Pulley |
| N | Key |
| O | M6 Socket Head Screws (4x) |
| P | M8 Socket Head Screws (2x) |
| Q | Timing Belt |

1. Typical components (Figure 3)

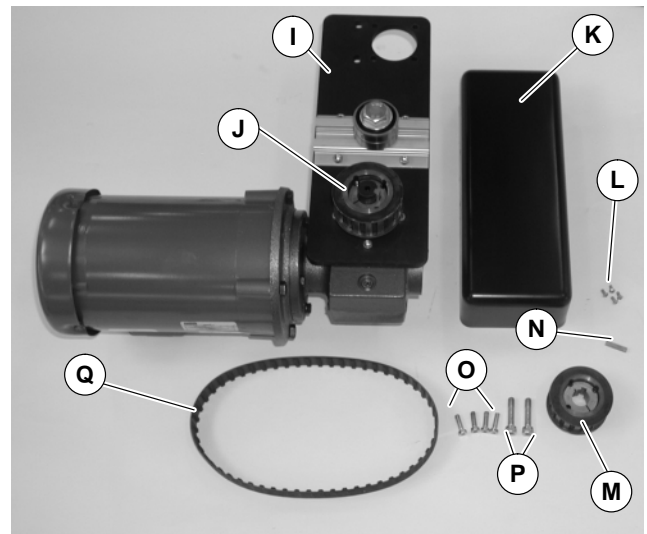


Figure 3

NOTE: Cleated belt mounting package shown, flat belt mounting package similar.

NOTE: Gearmotor may be operated in positions 1, 3 or 4 (Figure 4).

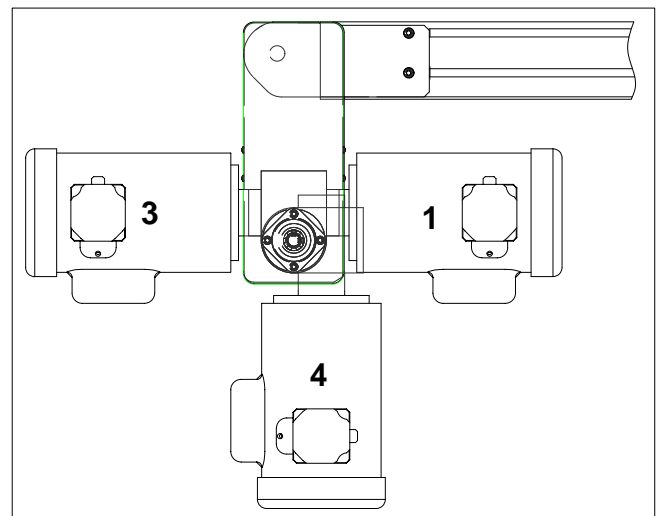


Figure 4

Installation

2. If required, change gearmotor position by removing four (4) screws (R of Figure 5). Rotate gearmotor to other position and replace screws (R). Tighten to 110 in-lb (12 Nm).

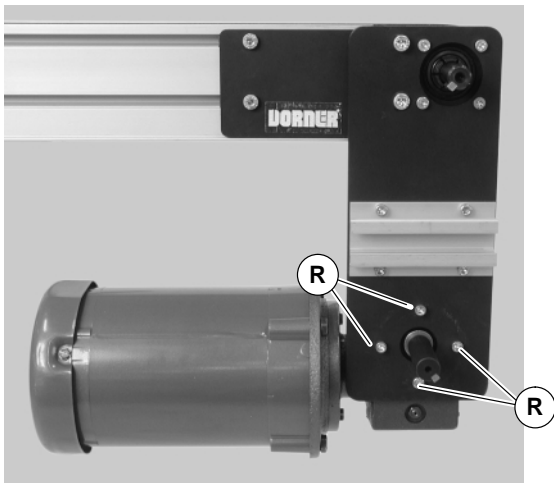


Figure 5

3. Locate drive output shaft (U of Figure 6). Remove two (2) M8 screws (T) and four (4) M6 screws (S) and discard.

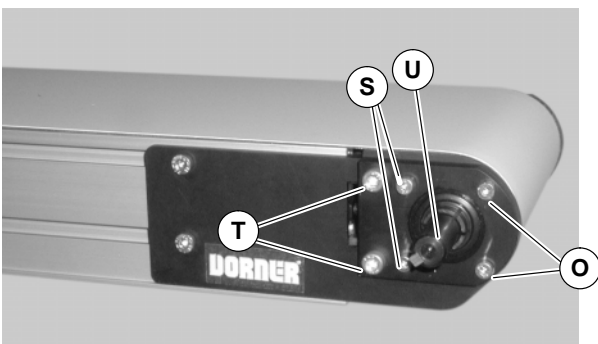


Figure 6

4. Attach mount assembly (I of Figure 7) with two (2) M8 screws (P) and four (4) M6 screws (O). Tighten M6 screws (O) to 146 in-lbs (16.5 N-m) and M8 screws (P) to 288 in-lbs (32.5 N-m).

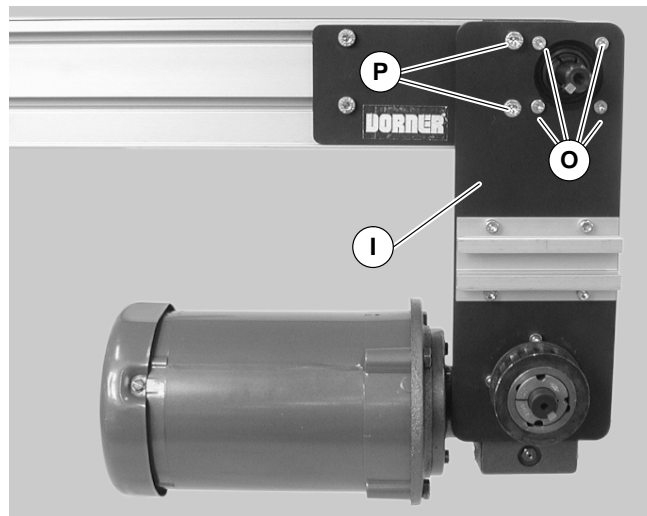
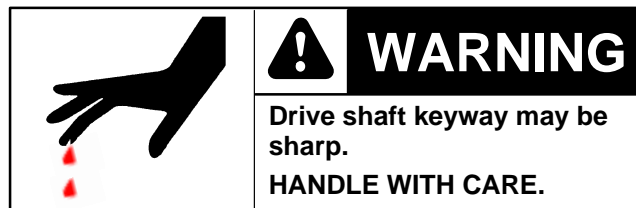


Figure 7



WARNING

Drive shaft keyway may be sharp.

HANDLE WITH CARE.

5. Install key (N of Figure 8).

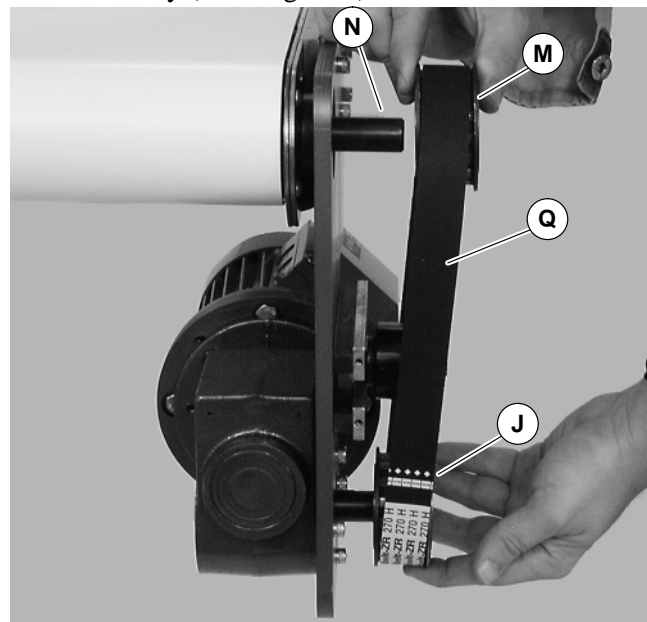


Figure 8

6. Wrap timing belt (Q) around driven pulley (M) and drive pulley (J). Install driven pulley (M) onto conveyor shaft.
7. Using a straight edge (V of Figure 9), align driven pulley (M) with drive pulley (J). Tighten driven pulley taper-lock screws (W of Figure 10).

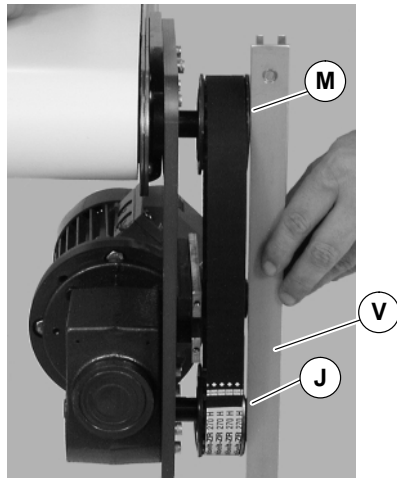


Figure 9

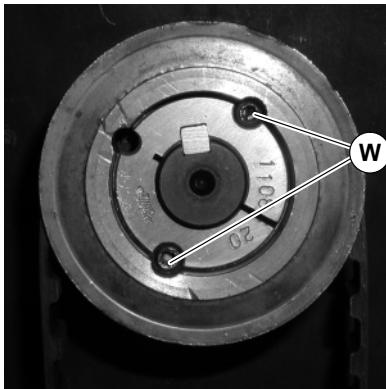


Figure 10

8. Depending on conveyor belt travel (direction 1 or 2), locate timing belt tensioner (X of Figure 11) as shown. Tension timing belt to obtain 1/8" (3 mm) deflection

for 6 lb (3 Kg) of force at timing belt mid-point (Y). Tighten tensioner screw to 110 in-lb (12 Nm).

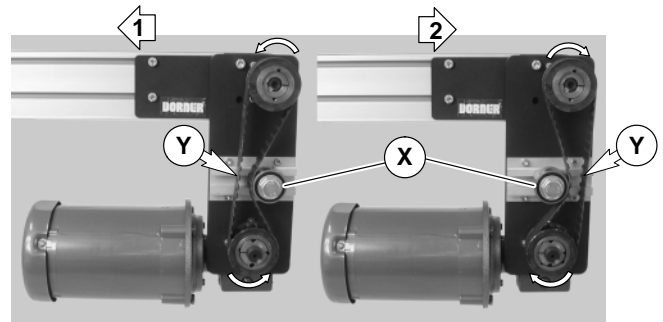


Figure 11

9. Install cover (K of Figure 12) with four (4) screws (L). Tighten screws to 35 in-lb (4 Nm).

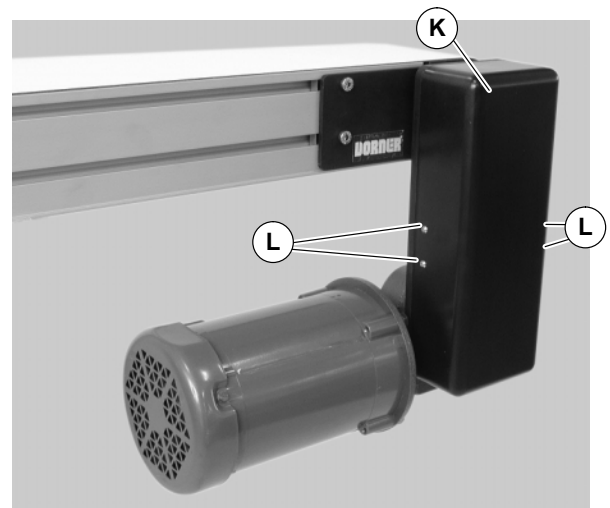


Figure 12

Preventive Maintenance and Adjustment

Required Tools

- Hex key wrenches:
 - 2 mm, 2.5 mm, 3 mm, 5 mm
- Adjustable wrench (for hexagon head screws)
- Straight edge
- Torque wrench

Timing Belt Tensioning



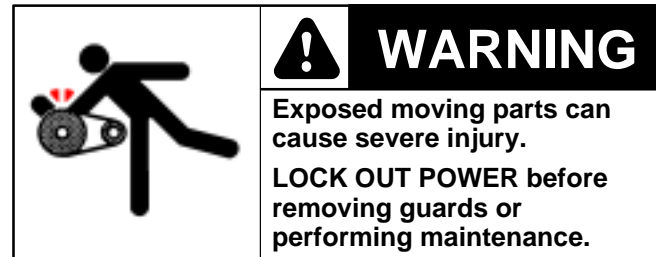
1. Remove four (4) screws (L of Figure 12) and remove cover (K).
2. Loosen tensioner (X of Figure 13).



Figure 13

3. Depending on conveyor belt travel (direction 1 or 2), locate timing belt tensioner (X of Figure 11) as shown. Tension timing belt to obtain 1/8" (3 mm) deflection for 6 lb (3 Kg) of force at timing belt mid-point (Y). Tighten tensioner screw to 110 in-lb (12 Nm).
4. Install cover (K of Figure 12) with four (4) screws (L). Tighten screws to 35 in-lb (4 Nm).

Timing Belt Replacement



1. Remove four (4) screws (L of Figure 12) and remove cover (K).
2. Loosen tensioner (X of Figure 13).
3. Remove timing belt (Q of Figure 14).

NOTE: If timing belt does not slide over pulley flange, loosen driven pulley taper-lock screws (W of Figure 14) and remove pulley with belt (Q). For re-installation, see steps 6 and 7 on beginning on page 6.

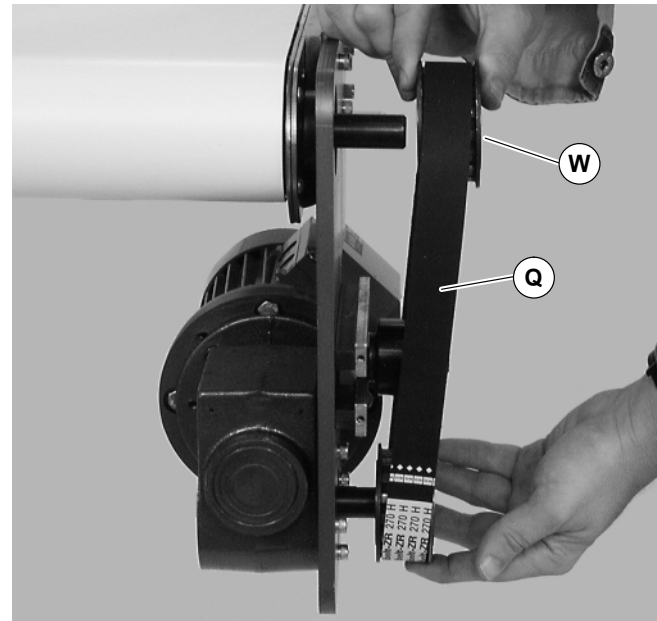


Figure 14

4. Install new timing belt.
5. Depending on conveyor belt travel (direction 1 or 2), locate timing belt tensioner (X of Figure 11) as shown. Tension timing belt to obtain 1/8" (3 mm) deflection for 6 lb (3 Kg) of force at timing belt mid-point (Y). Tighten tensioner screw to 110 in-lb (12 Nm).
6. Install cover (K of Figure 12) with four (4) screws (L). Tighten screws to 35 in-lb (4 Nm).

Preventive Maintenance and Adjustment

Drive or Driven Pulley Replacement



1. Complete steps 1 through 3 of “Timing Belt Replacement” section on page 8.
2. Remove taper-lock screws (W of Figure 15). Insert one (1) of taper lock screws (W of Figure 15) in remaining hole (Z). Tighten screw (W) until pulley is loose. Remove pulley and taper hub assembly.

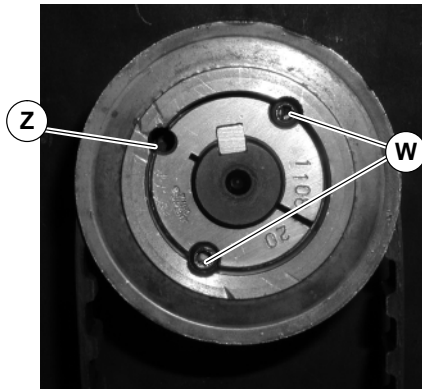
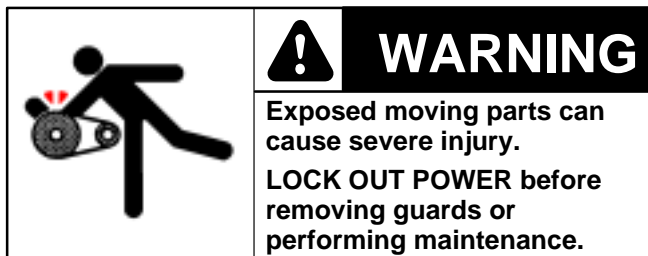


Figure 15

NOTE: If drive pulley (J of Figure 18) is replaced, wrap timing belt around drive pulley and complete step 3.

3. Complete steps 6 through 9 of “Installation” section beginning on page 6.

Gear Reducer Replacement



1. Remove four (4) screws (L of Figure 12) and remove cover (K).

2. Loosen M10 shaft locking screw (AA of Figure 16).

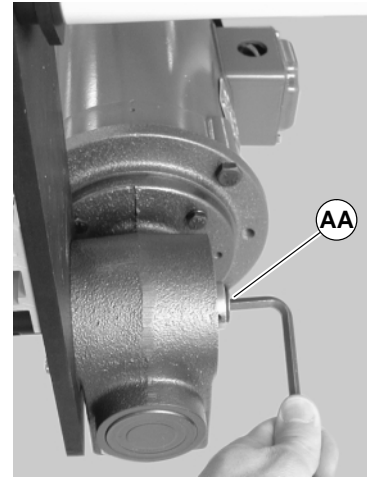


Figure 16

3. Loosen tensioner (X of Figure 13).
4. Loosen taper-lock screws (W of Figure 17) and remove drive pulley: Insert one (1) of taper lock screws (W) in remaining hole (Z). Tighten screw (W) until pulley is loose. Remove pulley (J of Figure 18), taper hub assembly (AB), and timing belt (Q)

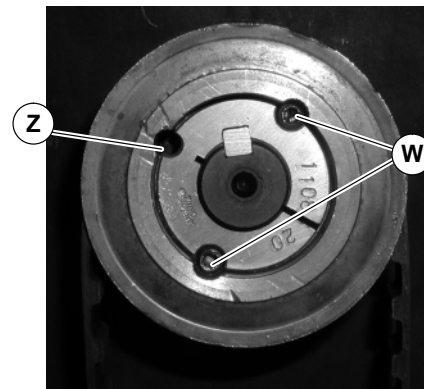


Figure 17

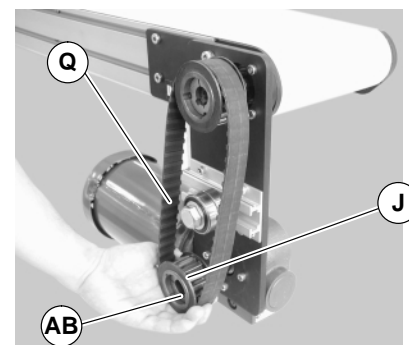


Figure 18

Preventive Maintenance and Adjustment

- Remove four (4) gear reducer mounting screws (R of Figure 19). Remove gearmotor.

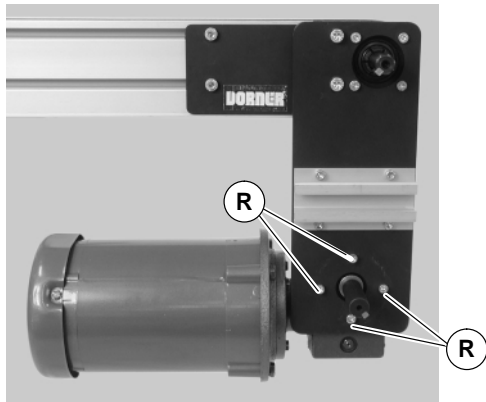


Figure 19

- Remove four screws (AC of Figure 20). Detach motor (AD) from gear reducer (AE). Retain motor output shaft key (AF).

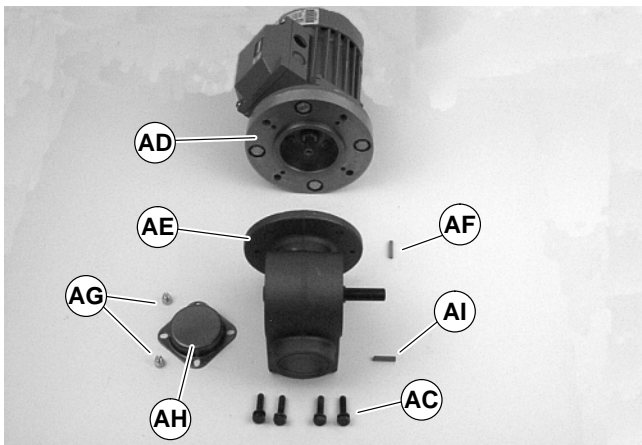


Figure 20

- Remove two (2) screws (AG) and detach output shaft cover (AH).
- Remove M10 shaft locking screw (AA of Figure 21), remove gear reducer output shaft (AJ) and key (AI).

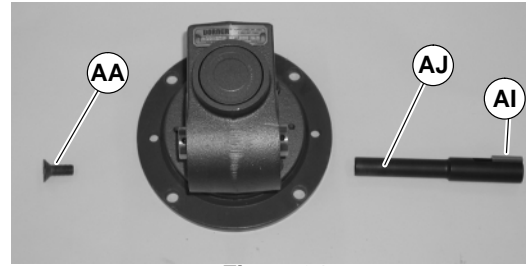


Figure 21

- Insert the new shaft with key (AI of Figure 21) into new gear reducer. Tighten M10 shaft locking screw (AK) to 300 in-lbs (34 N-m).

IMPORTANT: Be extremely careful when coupling motor to gear reducer. Avoid misalignment and forcing the connection causing possible permanent gear reducer seal damage.

- With key (AF of Figure 20) in keyway, slide motor (AD) and gear reducer (AE) together. Install screws (AC) and tighten.

NOTE: Gearmotor position on Flat Belt conveyor shown below left, Figure 22. Gearmotor position on Cleated Belt conveyor shown below right, Figure 22.

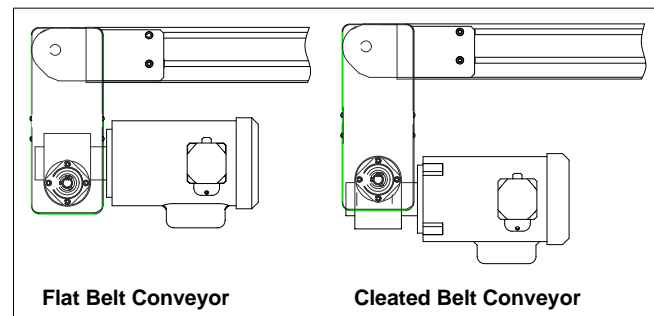


Figure 22

- Install gearmotor to mounting bracket and tighten screws (R of Figure 19) to 110 in-lb (12 Nm).

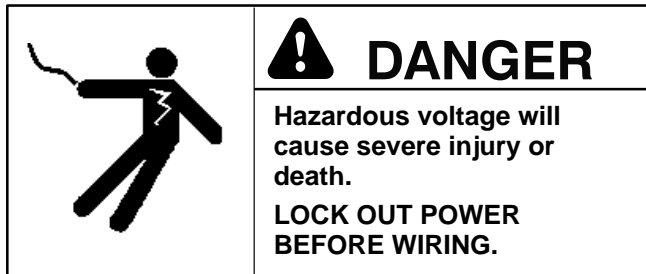
NOTE: Output shaft (AJ of Figure 21) is held in Gear Reducer with a tapered press fit. Removal may require use of an arbor press.

NOTE: Drive pulley (J of Figure 18) is removed. Wrap timing belt around drive pulley and complete step 12.

Preventive Maintenance and Adjustment

- Complete steps 6 through 9 of “Installation” section beginning on page 6.

Motor Replacement



- For single phase motor, unplug power cord from outlet.
- For three phase and VFD variable speed motor:
 - Loosen terminal box screws (AL of Figure 23) and remove cover (AM).

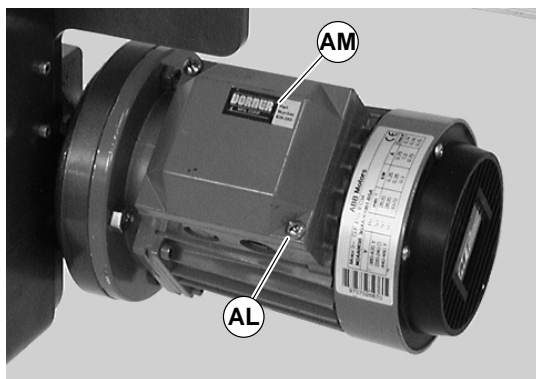


Figure 23

- Record wire colors on terminals 1, 2 and 3. Loosen wire nuts and remove wires 1, 2 and 3.
 - Loosen cord grip and remove cord.
- For DC variable speed motor, unplug motor cord at disconnect (AN of Figure 24).

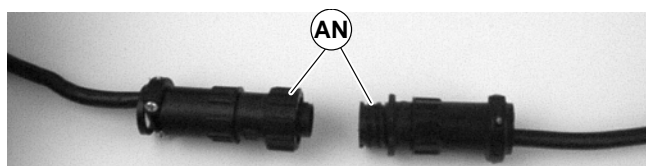


Figure 24

- Remove four (4) screws (AC of Figure 25). Detach motor (AD) from gear reducer (AE). Retain motor output shaft key (AF).

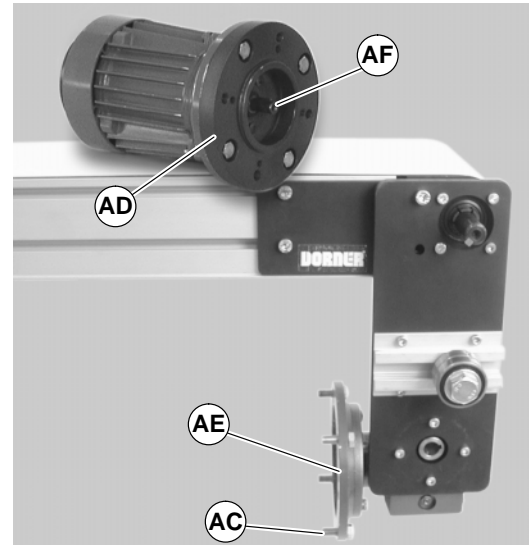


Figure 25

IMPORTANT: Be extremely careful when coupling motor to gear reducer. Avoid misalignment and forcing the connection causing possible permanent gear reducer seal damage.

- With key (AF of Figure 26) in keyway, slide motor (AD) and gear reducer together. Install screws (AC) and tighten.

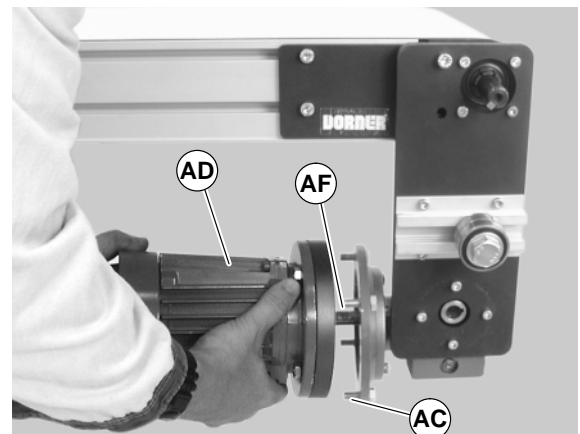


Figure 26

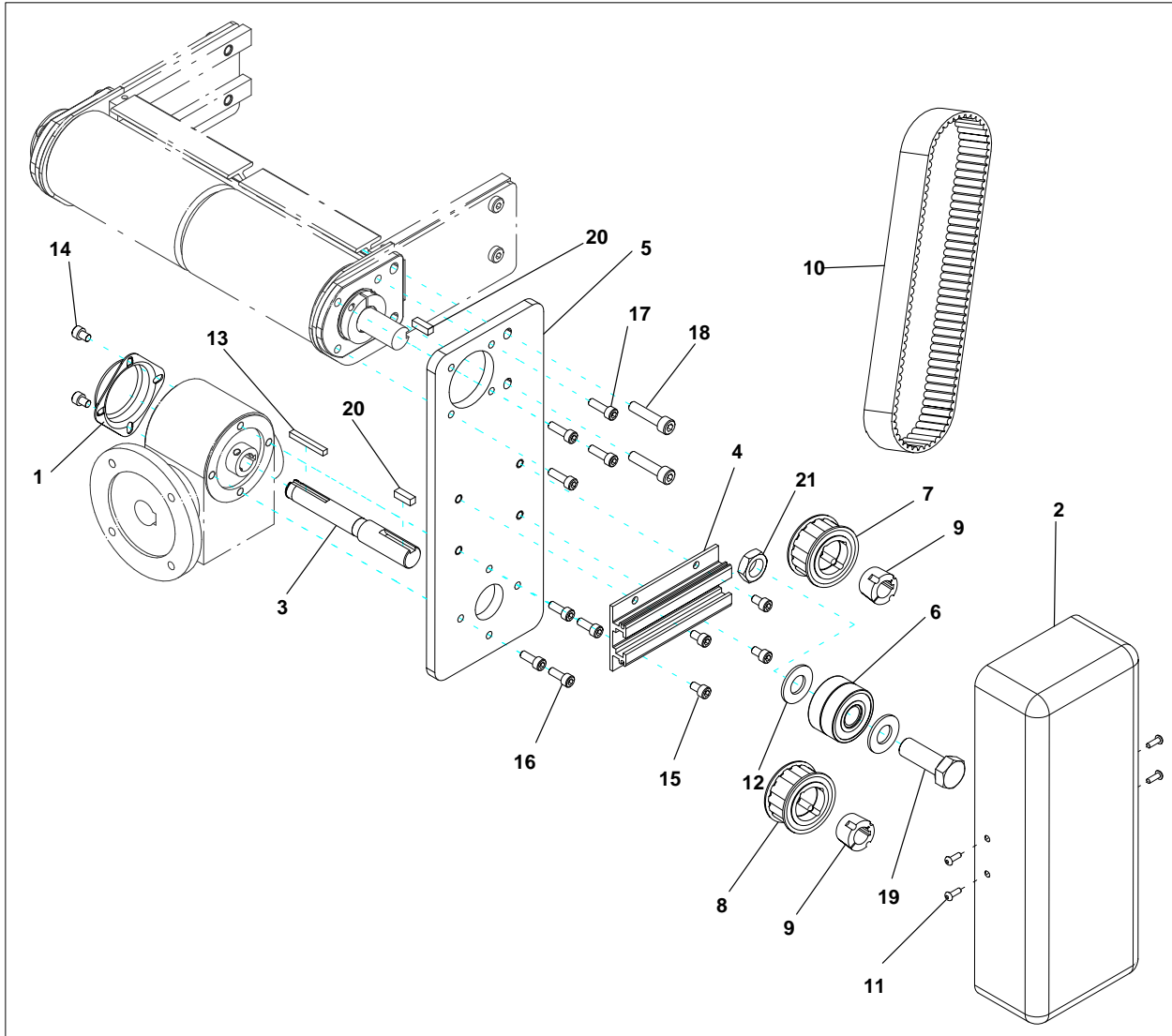
- Replace wiring:

- For a single phase motor, reverse step 1 on this page.
- For a three phase or VFD variable speed motor, reverse step 2 on this page.
- For a DC variable speed motor, reverse step 3 on this page.

Service Parts

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

3200 Series Conveyors Bottom Mount Drive Package for Standard Load 90° Industrial Gearmotors



| Item | Part Number | Description |
|------|-------------|--|
| 1 | 300139 | Bearing Shaft Cover |
| 2 | 300871 | Drive Cover |
| 3 | 301146 | Grove Gearhead Output Shaft |
| 4 | 301076 | Drive Tensioner Slide |
| 5 | 301151 | Mounting Plate |
| 6 | 301153 | Tensioner Bearing Assy |
| 7 | 811-123 | Driven Pulley, 14 Tooth, Taper Lock TL1108 |
| | 811-126 | Driven Pulley, 16 Tooth, Taper Lock TL1108 |

| | | |
|---|---------|---|
| 8 | 811-126 | Drive Pulley, 16 Tooth, Taper Lock TL1108 |
| | 811-127 | Drive Pulley, 18 Tooth, Taper Lock TL1210 |
| | 811-135 | Drive Pulley, 20 Tooth, Taper Lock TL1210 |
| | 811-136 | Drive Pulley, 22 Tooth, Taper Lock TL1610 |
| | 811-137 | Drive Pulley, 24 Tooth, Taper Lock TL1610 |
| 9 | 811-288 | Taper Lock Bushing, 20MM, TL1108 |
| | 811-289 | Taper Lock Bushing, 20MM, TL1210 |

| | | |
|----|---------|----------------------------------|
| | 811-290 | Taper Lock Bushing, 20MM, TL1610 |
| 10 | 814-059 | Timing Belt, 1.0" W x 27.0" L |
| | 814-060 | Timing Belt, 1.0" W x 28.0" L |
| 11 | 910412M | Button Head Screw M4 x 12mm |
| 12 | 911-013 | Flat Washer |
| 13 | 912-084 | Square Key |
| 14 | 920608M | Socket Head Screw M6 x 8mm |

| | | |
|----|---------|------------------------------|
| 15 | 920610M | Socket Head Screw M6 x 10mm |
| 16 | 920616M | Socket Head Screw M6 x 16mm |
| 17 | 920620M | Socket Head Screw M6 x 20mm |
| 18 | 920835M | Socket Head Screw M8 x 35mm |
| 19 | 961645M | Socket Head Screw M16 x 45mm |
| 20 | 980636M | Square Key |
| 21 | 991610M | Hex Jam Nut M16 |

3200 Standard Load 90° Industrial Gearmotors

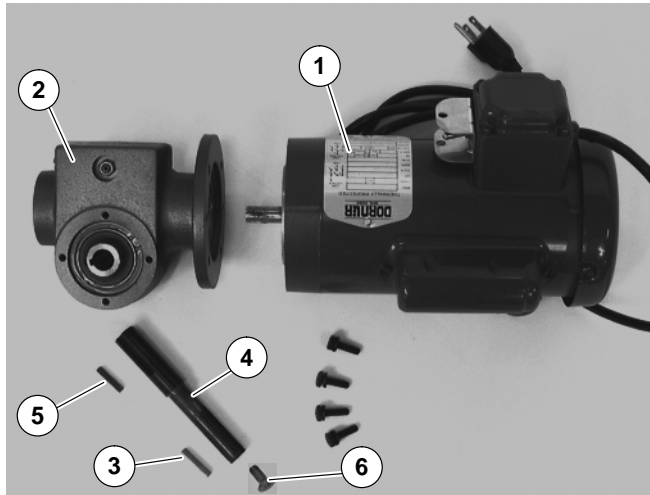


Figure 27

| Item | Part No. | Part Description |
|----------|------------------------------|--|
| 1 | 826-328 | Motor, 0.25hp (0.19Kw), 115/230 Volts, 60 Hz, 1-Phase |
| | 826-337 | Motor, 0.25hp (0.19Kw), 115/230 Volts, 60 Hz, 1-Phase with Reversing |
| | 826-330 | Motor, 0.25hp (0.19Kw), 208-230/460 Volts, 60 Hz, 3-Phase |
| | 826-332 | Motor, 0.25hp (0.19Kw), 130 VDC |
| | 826-017 | Motor, 0.5hp (0.37Kw), 115/230 Volts, 60Hz, 1-Phase |
| | 826-025 | Motor, 0.5hp (0.37Kw) 208-230/460 Volts, 60Hz, 3 Phase |
| | 826-333 | Motor, 0.5hp (0.37Kw), 90VDC |
| | 826-249 | Motor, 0.5hp (0.37Kw), 230 Volts, 3 Phase Inverter Duty |
| | 2 | 32M005HL |
| 32M010HL | | Gear Reducer, 10:1, NEMA 42CZ |
| 32M020HL | | Gear Reducer, 20:1, NEMA 42CZ |
| 32M040HL | | Gear Reducer, 40:1, NEMA 42CZ |
| 32M060HL | | Gear Reducer, 60:1, NEMA 42CZ |
| 32M005HS | | Gear Reducer, 5:1, NEMA 56C |
| 32M010HS | | Gear Reducer, 10:1, NEMA 56C |
| 32M020HS | | Gear Reducer, 20:1, NEMA 56C |
| 32M040HS | | Gear Reducer, 40:1, NEMA 56C |
| 32M060HS | Gear Reducer, 60:1, NEMA 56C | |
| 3 | 980636M | Pulley Key, 6 mm x 18 mm (2x) |
| 4 | 301146 | Gear Reducer Shaft |
| 5 | 912-084 | Gear Reducer Key, Square, 0.188" x 1.5" L |
| 6 | 931025M | Flat Head Screw M10 x 25mm |

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 at www.dorner.com.

DORNER®

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