



7350 Series Side Mount Nose Bar Drive Packages

Installation, Maintenance and Parts Manual



US Version



CE Version

DORNER MFG. CORP.
P.O. Box 20 • 975 Cottonwood Ave.
Hartland, WI 53029-0020 USA

INSIDE THE USA
TEL: 1-800-397-8664
FAX: 1-800-369-2440

OUTSIDE THE USA
TEL: 262-367-7600
FAX: 262-367-5827

For other service manuals visit our website at:
www.dorner.com/service_manuals.asp

Table of Contents

Introduction	2	Installation.....	7
Warnings – General Safety.....	3	US Version Nose Bar Drive Package.....	7
Product Description	4	Required Tools.....	7
Specifications	4	CE Version Nose Bar Drive Package.....	9
Gearmotor Mounting Package Models	4	Required Tools.....	9
Table 1: Gearmotor Specifications	5	Preventive Maintenance and Adjustment	12
US Version	5	Required Tools	12
CE Version	5	Checklist.....	12
Table 2: Belt Speeds		US Version Gear Reducer Replacement	12
for Fixed Speed 90° Painted Gearmotors	5	US Version Motor Replacement	14
US Version	5	CE Version Gearmotor Replacement	16
Table 3: Belt Speeds		Service Parts.....	17
for Variable Speed 90° Painted Gearmotors.....	6	US Version Horizontal Nose Bar Drive	17
US Version	6	CE Version Horizontal Nose Bar Drive	18
CE Version	6	US Version Gearmotor Assembly.....	19
Table 4: US Version Belt Speeds		CE Version Gearmotor Assembly.....	20
for Fixed Speed 90° Stainless Gearmotors	6	NOTES.....	21
Table 5: US Version Belt Speeds		Return Policy.....	22
for Variable Speed 90° Stainless Gearmotors.....	6		

Introduction

 CAUTION
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.

The Dorner Limited Warranty applies.

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

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 .

Intralox is a registered trademark of Laitram L.L.C. in the United States and / or other countries.

Warnings – General Safety

⚠ DANGER



SEVERE HAZARD!
KEEP OFF CONVEYORS. Climbing, sitting, walking or riding on conveyor will result in death or serious injury.

⚠ DANGER



EXPLOSION HAZARD!

- **DO NOT OPERATE CONVEYORS IN AN EXPLOSIVE ENVIRONMENT.** The electric gearmotor generates heat and could ignite combustible vapors.
- Failure to comply will result in death or serious injury.

⚠ WARNING



CRUSH HAZARD!

- **DO NOT** place hands or fingers inside the conveyor while it is running.
- **DO NOT** wear loose garments while operating the conveyor. Loose garments can become caught up in the conveyor.
- Failure to comply could result in serious injury.

⚠ WARNING



CRUSH HAZARD!

- **SUPPORT CONVEYOR SECTIONS PRIOR TO LOOSENING STAND HEIGHT OR ANGLE ADJUSTMENT SCREWS.**
- Loosening stand height or angle adjustment screws may cause conveyor sections to drop down, causing serious injury.

⚠ WARNING



SEVERE HAZARD!
LOCK OUT POWER before removing guards or performing maintenance. Exposed moving parts can cause serious injury.

⚠ WARNING



BURN HAZARD!
DO NOT TOUCH the motor while operating, or shortly after being turned off. Motors may be **HOT** and can cause serious burn injuries.

⚠ WARNING



PUNCTURE HAZARD!
 Handle drive shaft keyway with care. It may be sharp and could puncture the skin, causing serious injury.

⚠ WARNING



SEVERE HAZARD!

- 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.
- Failure to comply could result in serious injury.

Product Description

Refer to **(Figure 1)** for typical gearmotor assembly components.

Typical Components	
1	Conveyor
2	Mounting bars
3	Motor
4	Gear reducer
5	Gear reducer mounting bracket



Figure 1

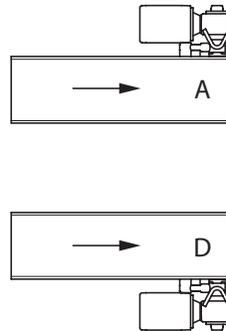
Specifications

Gearmotor Mounting Package Models

735 M N 1 S A 28 28

- Language
- Drive Type
- Gearmotor Type
- Gearmotor Size
- Drive Position
- Gearmotor Sprocket
- Conveyor Sprocket

M = US Version
U = CE English Version



* Refer to "Ordering and Specifications" Catalog for details.

Specifications

Table 1: Gearmotor Specifications

US Version

	Singe Phase	Three Phase
Output Power	0.50 hp (0.37 kW)	.50 hp (.37 kW) / 1 hp (.74 KW) / 1.5 hp (1.11 kW)
Input Voltage	115 V A.C.	208 - 230 / 460 V.A.C.
Input Frequency	60 Hz	6 – 60 Hz
Motor RPM	22 - 44	22 - 233
Gearmotor Ratios	5:1, 7:1, 10:1, 15:1, 20:1, 30:1, 40:1, 60:1, 80:1	
Frame Size	NEMA 56 C	
Motor Type	Totally Enclosed, Non-ventilated (Except 1.5 hp Stainless Steel Gearmotor = Totally Enclosed, Fan Cooled)	

CE Version

	Fixed Speed	Variable Speed
Output Power	0.37 kW (0.50 hp)	
Input Voltage	230 / 400 V 3 Phase	
Input Frequency	50 Hz	12 - 80 Hz
Gearmotor Ratios	60:1, 30:1, 25:1, 15:1, 10:1, 7.5:1, 5:1	
Motor Type	Totally Enclosed, Fan Cooled	

Table 2: Belt Speeds for Fixed Speed 90° Painted Gearmotors

US Version

Part Number	Belt Speed		RPM	1 Phase			3 Phase			in-lbs	N-m
	Ft/min	M/min		HP	Kw	FLA	HP	Kw	FLA		
74M080HS4(vp)FN	22	6.7	22	0.5	0.37	6.8/3.7-3.4	0.5	0.37	1.6/0.8	356	40.2
74M060HS4(vp)FN	29	8.8	29	0.5	0.37	6.8/3.7-3.4	0.5	0.37	1.6/0.8	442	49.9
74M040HS4(vp)FN	44	13.2	44	0.5	0.37	6.8/3.7-3.4	0.5	0.37	1.6/0.8	486	54.9
74M030HS4(vp)FN	58	17.7	58	N/A	N/A	N/A	1	0.74	3.5-3.2/1.6	487	55.0
74M020HS4(vp)FN	87	26.5	87	N/A	N/A	N/A	1	0.74	3.5-3.2/1.6	407	46.0
74M015HS4(vp)FN	117	35.7	117	N/A	N/A	N/A	1	0.74	3.5-3.2/1.6	470	53.1
74M010HS4(vp)FN	175	53.3	175	N/A	N/A	N/A	1.5	1.11	4.6-4.2/2.1	442	49.9
74M007HS4(vp)FN	233	71.0	233	N/A	N/A	N/A	1.5	1.11	4.6-4.2/2.1	360	40.7

(vp) = voltage and phase

23 = 0.5 HP – 230/460 V, 3-phase

11 = 115/208-230, 1-phase

1.0 & 1.5 HP – 208-230/460 V, 3-phase

CE Version

Part Number	Belt Speed		RPM	kW	Volts	Phase	FLA		N-m
	Ft/min	M/min					at 230V	at 400V	
73U060HS423FN	23	7.0	23	0.37	230/400	3	1.91	1.1	81
73U030HS423FN	46	14.0	46	0.75	230/400	3	3.65	2.1	102
73U025HS423FN	55	16.8	55	0.75	230/400	3	3.65	2.1	94
73U015HS423FN	93	28.3	93	1.12	230/400	3	4.89	2.81	89
73U010HS423FN	140	42.7	140	1.12	230/400	3	4.89	2.81	64
73U007HS423FN	186	56.7	186	1.49	230/400	3	6.17	3.55	67
73U005HS423FN	279	85.0	279	1.49	230/400	3	6.17	3.55	46

Specifications

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

US Version

Part Number	Belt Speed		RPM	3 Phase				in-lbs	N-m
	Ft/min	M/min		HP	Kw	Volts	FLA		
74M080HS423EN	2 to 22	0.6 to 6.7	22	0.5	0.37	230/460	1.6/0.8	356	40.2
74M060HS423EN	3 to 29	0.9 to 8.8	29	0.5	0.37	230/460	1.6/0.8	442	49.9
74M040HS423EN	5 to 44	1.3 to 13.4	44	0.5	0.37	230/460	1.6/0.8	486	54.9
74M030HS423EN	6 to 58	2 to 17.7	58	1	0.74	208-230/460	3.5-3.2/1.6	487	55.0
74M020HS423EN	9 to 87	2.6 to 26.5	87	1	0.74	208-230/460	3.5-3.2/1.6	487	55.0
74M015HS423EN	12 to 117	3.6 to 35.7	117	1	0.74	208-230/460	3.5-3.2/1.6	470	53.1
74M010HS423EN	18 to 175	5.3 to 53.3	175	1.5	1.11	208-230/460	4.6-4.2/2.1	442	49.9
74M007HS423EN	23 to 233	7.1 to 71.0	233	1.5	1.11	208-230/460	4.6-4.2/2.1	360	40.7

CE Version

Part Number	Belt Speed (Ft/min)		Belt Speed (M/min)		RPM					FLA		N-m
	Min	Max	Min	Max	Min	Max	Kw	Volts	Phase	at 230V	at 400V	
73U060HS423EN	6	37	3.5	7.0	6	37	0.37	230/400	3	1.91	1.1	81
73U030HS423EN	11	74	7.0	14.0	11	74	0.75	230/400	3	3.65	2.1	102
73U025HS423EN	13	88	8.4	16.8	13	88	0.75	230/400	3	3.65	2.1	94
73U015HS423EN	22	149	14.2	28.3	22	149	1.12	230/400	3	4.89	2.81	89
73U010HS423EN	34	224	21.3	42.7	34	224	1.12	230/400	3	4.89	2.81	64
73U007HS423EN	45	298	28.3	56.7	45	298	1.49	230/400	3	6.17	3.55	67

Table 4: US Version Belt Speeds for Fixed Speed 90° Stainless Gearmotors

Part Number	Belt Speed		RPM	3 Phase				in-lbs	N-m
	Ft/min	M/min		HP	Kw	Volts	FLA		
74M080HZS423FN	22	6.7	22	0.5	0.37	230/460	1.6/0.8	356	40.2
74M060HZS423FN	29	8.8	29	0.5	0.37	230/460	1.6/0.8	442	49.9
74M040HZS423FN	44	13.4	44	0.5	0.37	230/460	1.6/0.8	486	54.9
74M030HZS423FN	58	17.7	58	1	0.74	208-230/460	3.2-3/1.5	487	55.0
74M020HZS423FN	87	26.5	87	1	0.74	208-230/460	3.2-3/1.5	407	46.0
74M015HZS423FN	117	35.7	117	1	0.74	208-230/460	3.2-3/1.5	470	53.1
74M010HZS423FN	175	53.3	175	1.5	1.11	208-230/460	5.8-5.4/2.7	442	49.9
74M007HZS423FN	233	71.0	233	1.5	1.11	208-230/460	5.8-5.4/2.7	360	40.7

Table 5: US Version Belt Speeds for Variable Speed 90° Stainless Gearmotors

Part Number	Belt Speed		RPM	3 Phase				in-lbs	N-m
	Ft/min	M/min		HP	Kw	Volts	FLA		
74M080HZS423EN	2 to 22	0.6 to 6.7	22	0.5	0.37	230/460	1.6/0.8	356	40.2
74M060HZS423EN	3 to 29	0.9 to 8.8	29	0.5	0.37	230/460	1.6/0.8	442	49.9
74M040HZS423EN	5 to 44	1.3 to 13.4	44	0.5	0.37	230/460	1.6/0.8	486	54.9
74M030HZS423EN	6 to 58	2 to 17.7	58	1	0.74	208-230/460	3.2-3/1.5	487	55.0
74M020HZS423EN	9 to 87	2.6 to 26.5	87	1	0.74	208-230/460	3.2-3/1.5	487	55.0
74M015HZS423EN	12 to 117	3.6 to 35.7	117	1	0.74	208-230/460	3.2-3/1.5	470	53.1
74M010HZS423EN	18 to 175	5.3 to 53.3	175	1.5	1.11	208-230/460	5.3-5.4/2.7	442	49.9
74M007HZS423EN	23 to 233	7.1 to 71.0	233	1.5	1.11	208-230/460	5.3-5.4/2.7	360	40.7

NOTE

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

US Version Nose Bar Drive Package

Required Tools

- 5/16" wrench
- 4 mm wrench
- 13 mm wrench
- 14 mm wrench
- Large flat head screwdriver
- Torque wrench

 WARNING

SEVERE HAZARD! LOCK OUT POWER before removing guards or performing maintenance. Exposed moving parts can cause serious injury.
 WARNING

PUNCTURE HAZARD! Handle drive shaft keyway with care. It may be sharp and could puncture the skin, causing serious injury.

Nose Bar Drive Mounting Positions

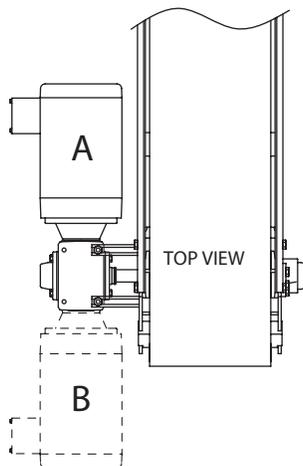


Figure 2

Typical Nose Bar Drive Package Components (Figure 3)

1	Cover
2	Cover bracket
3	Hex head cap screw 5 / 16 - 18 x .50" (x4)
4	Nose bar gear reducer hex mounting post (x2)
5	Hex head cap screw 5 / 16 - 18 x 1.12" (x4)
6	Hex head cap screw M10 - 1.5 x 16 mm (x2)
7	Gearmotor assembly

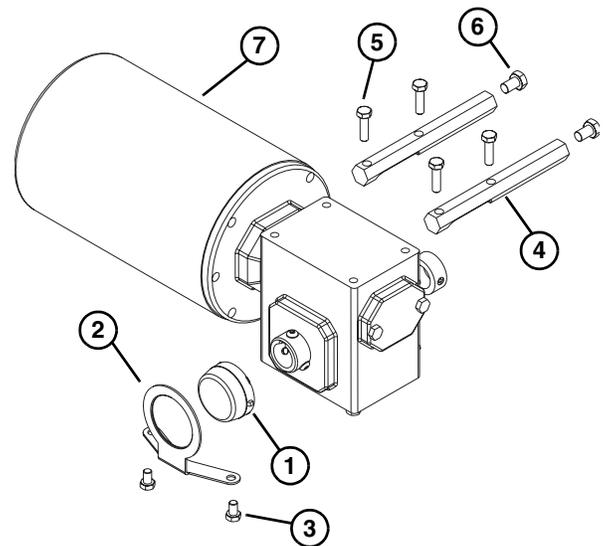


Figure 3

1. Attach the gear reducer hex mounting posts (Figure 4, item 1) to the nose bar side plate (Figure 4, item 2).

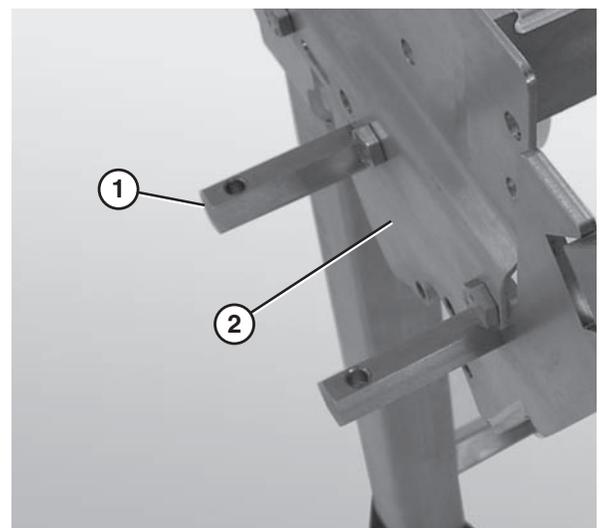


Figure 4

Installation

2. Insert the drive spindle key (Figure 5, item 1) into the drive spindle keyway (Figure 5, item 2).

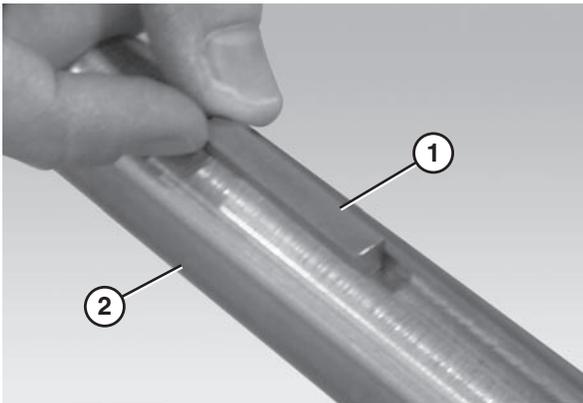


Figure 5

3. Slide the gearmotor assembly (Figure 6, item 1) onto the drive spindle (Figure 6, item 2).

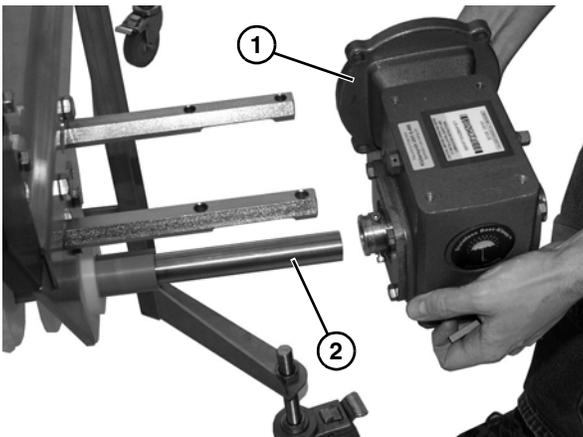


Figure 6

4. Attach the gearmotor assembly (Figure 7, item 1) to the gear reducer hex mounting posts (Figure 7, item 2) with four bolts (Figure 7, item 3).

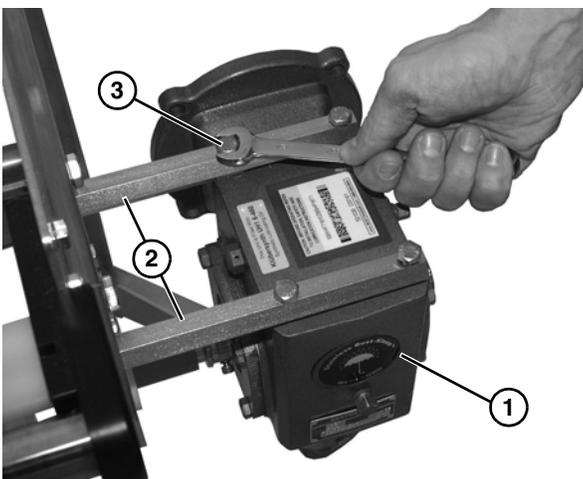


Figure 7

5. Tighten the drive spindle fasteners (Figure 8, item 1) located on the inside and outside of the gearmotor (Figure 8, item 2) using a hex wrench (Figure 8, item 2).

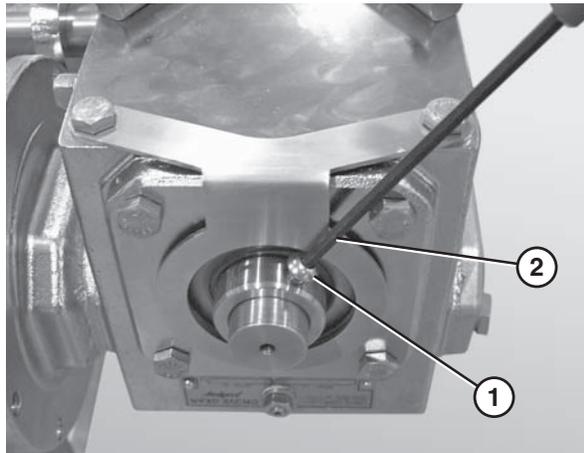


Figure 8

6. Attach the gearmotor cover (Figure 9, item 1).

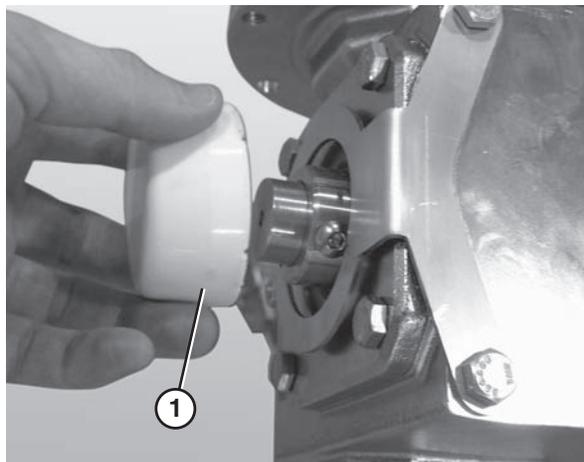


Figure 9

7. Remove the drainage plugs (Figure 10, item 1) on the bottom side of the motor.

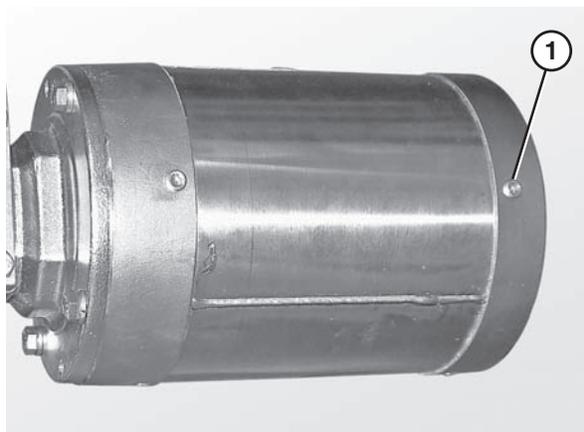


Figure 10

CE Version Nose Bar Drive Package

Required Tools

- 3/16" hex wrench
- 8 mm hex wrench
- 13 mm wrench
- Large flat head screwdriver

⚠ WARNING

SEVERE HAZARD! LOCK OUT POWER before removing guards or performing maintenance. Exposed moving parts can cause serious injury.
⚠ WARNING

PUNCTURE HAZARD! Handle drive shaft keyway with care. It may be sharp and could puncture the skin, causing serious injury.

Nose Bar Drive Mounting Positions

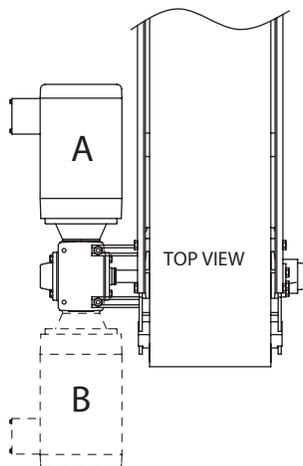


Figure 11

Typical Nose Bar Drive Package Components (Figure 12)

- | | |
|---|--|
| 1 | Collar Clamp |
| 2 | Mounting Bracket |
| 3 | Socket head screw, M10 - 0.50 x 40 mm |
| 4 | Hex head cap screw, M8 - 1.25 x 20 mm (x4) |
| 5 | Hex head cap screw, M10 - 1.5 x 30 mm (x2) |
| 6 | Gearmotor assembly |

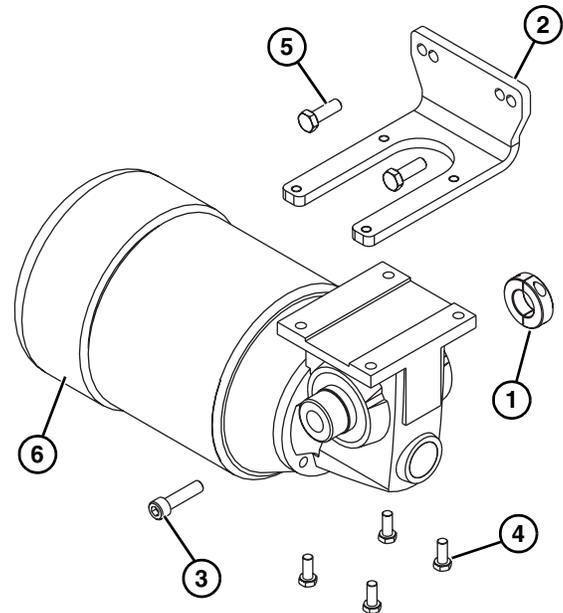


Figure 12

1. Remove cap screw (Figure 13, item 1) from nose bar side plate (Figure 13, item 2).

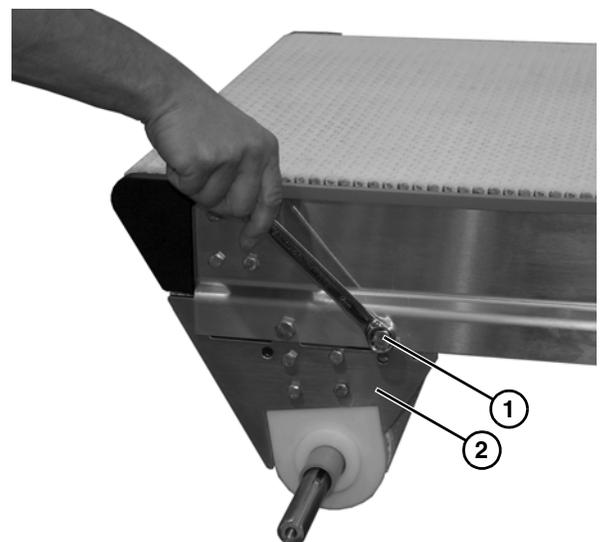


Figure 13

Installation

2. Attach the gear reducer mounting bracket (**Figure 14, item 1**) to the nose bar side plate (**Figure 14, item 2**) with one M10x30 cap screw (**Figure 14, item 3**). Do not tighten cap screw.

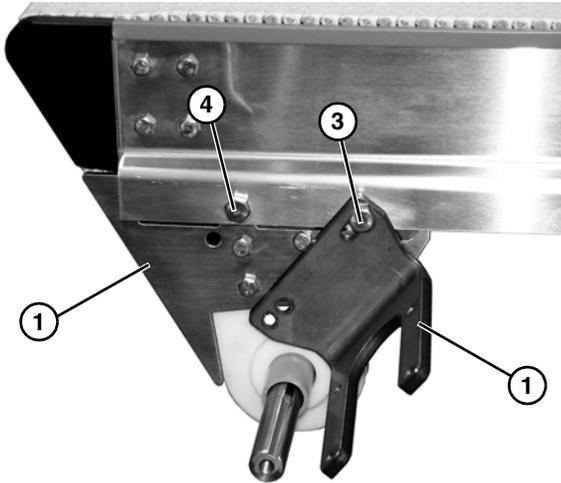


Figure 14

3. Remove second cap screw (**Figure 14, item 4**) from nose bar side plate.
4. Rotate gear reducer mounting bracket (**Figure 15, item 1**) upward and attach the nose bar side plate (**Figure 15, item 2**) with second M10x30 cap screw (**Figure 15, item 3**). Do not tighten cap screw.

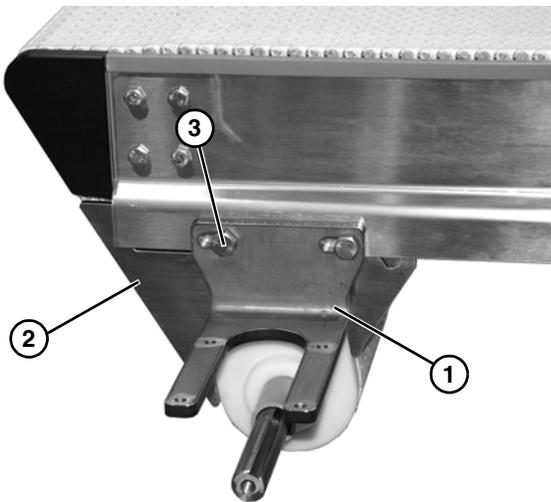


Figure 15

5. Install one half of collar clamp (**Figure 16, item 1**) into recessed area (**Figure 16, item 2**) on conveyor shaft (**Figure 16, item 3**).

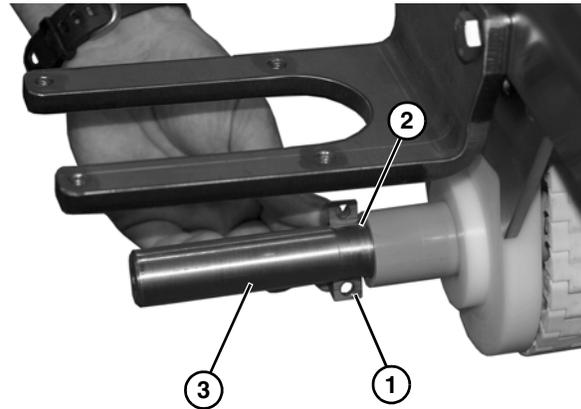


Figure 16

6. Install second half of collar clamp (**Figure 17, item 1**) and secure with two hex socket head screws (**Figure 17, item 2**).

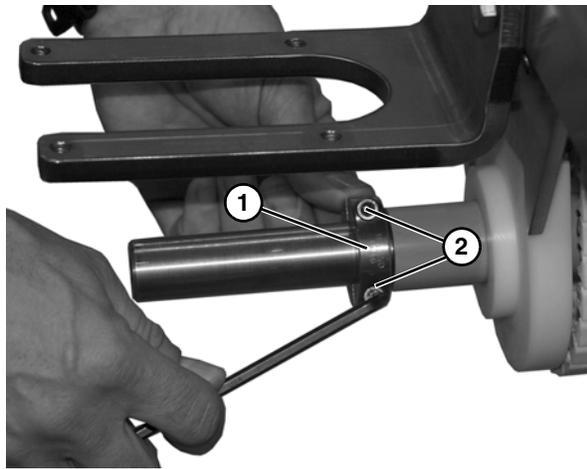


Figure 17

7. Insert the drive spindle key (**Figure 18, item 1**) into the drive spindle keyway.

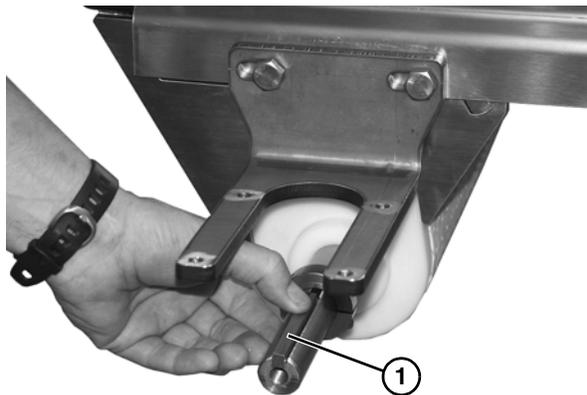


Figure 18

8. Slide the gearmotor assembly (**Figure 19, item 1**) onto the drive spindle (**Figure 19, item 2**) and below gear reducer mounting bracket (**Figure 19, item 3**).

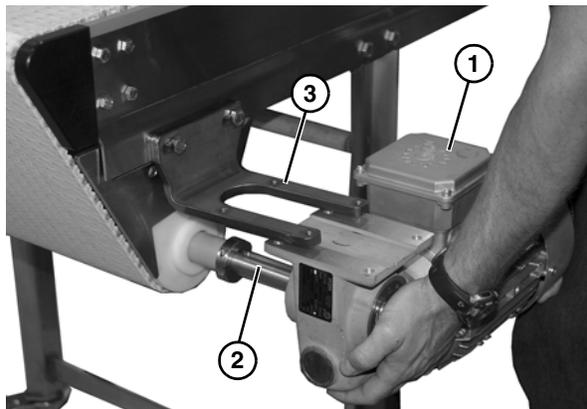


Figure 19

10. Install gear reducer end cap (**Figure 21, item 1**) with socket head screw (**Figure 21, item 2**).

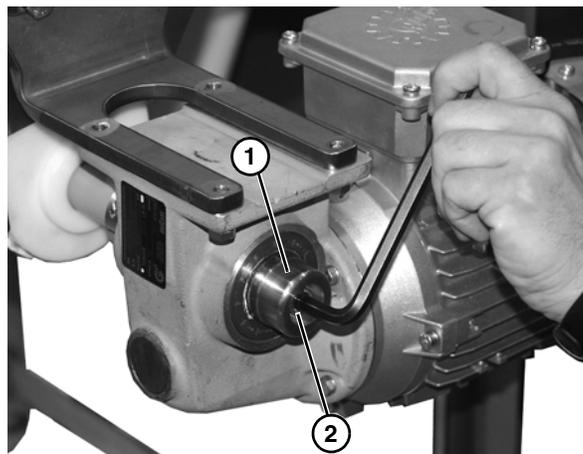


Figure 21

9. Attach the gearmotor assembly (**Figure 20, item 1**) to the gear reducer mounting bracket (**Figure 20, item 3**) with four bolts (**Figure 20, item 3**).

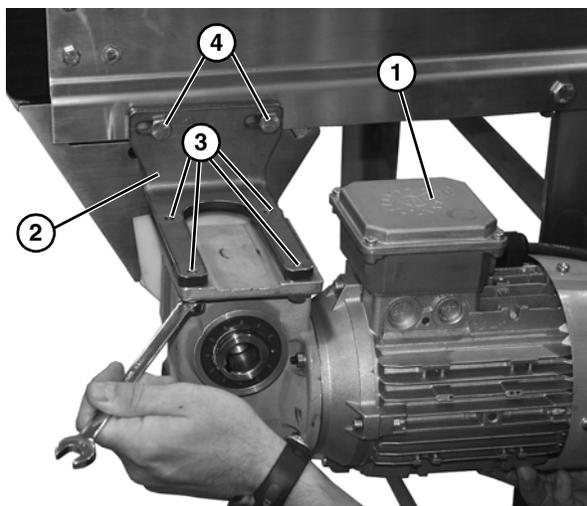


Figure 20

Preventive Maintenance and Adjustment

Required Tools

- 3/16" hex wrench
- 8 mm hex wrench
- 5/16" wrench
- 4 mm wrench
- 13 mm wrench
- 14 mm wrench
- Large flat head screwdriver
- Torque wrench

Checklist

- Keep service parts on hand. Refer to the "Service Parts" section starting on page 17 for recommendations.
- Replace any worn or damaged parts.

US Version Gear Reducer Replacement

⚠ WARNING

SEVERE HAZARD! LOCK OUT POWER before removing guards or performing maintenance. Exposed moving parts can cause serious injury.

⚠ WARNING

BURN HAZARD! DO NOT TOUCH the motor while operating, or shortly after being turned off. Motors may be HOT and can cause serious burn injuries.

1. Remove the bolts (**Figure 22, item 1**) that connect the motor (**Figure 22, item 2**) to the gear reducer (**Figure 22, item 3**).

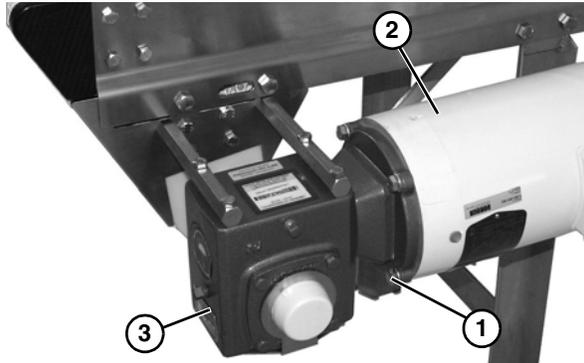


Figure 22

⚠ WARNING

CRUSH HAZARD! • SUPPORT MOTOR PRIOR TO LOOSENING THE BOLTS. • Loosening motor bolts may cause it to drop down, causing serious injury.

2. Detach the motor (**Figure 23, item 1**) from the gear reducer (**Figure 23, item 2**) and set the motor aside.

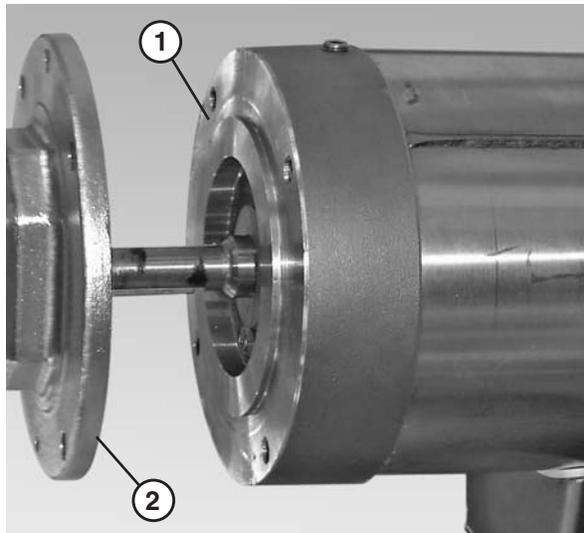


Figure 23

NOTE
<i>Be sure to retain the motor output shaft key.</i>

Preventive Maintenance and Adjustment

3. Remove the gearmotor cover (**Figure 24, item 1**). Use a screwdriver to pry it loose, if necessary.

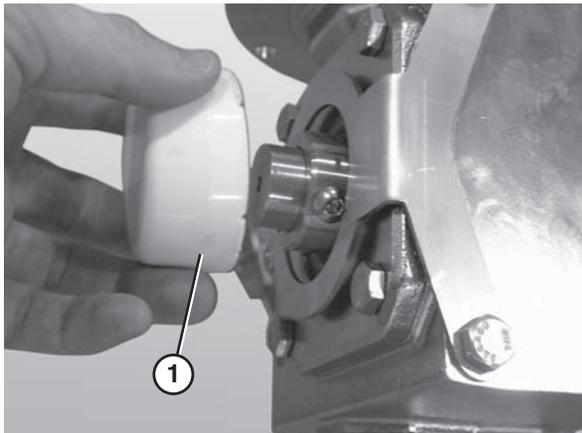


Figure 24

4. Loosen the drive spindle fasteners (**Figure 25, item 1**) located on the inside and outside of the gearmotor assembly using a hex wrench (**Figure 25, item 2**).

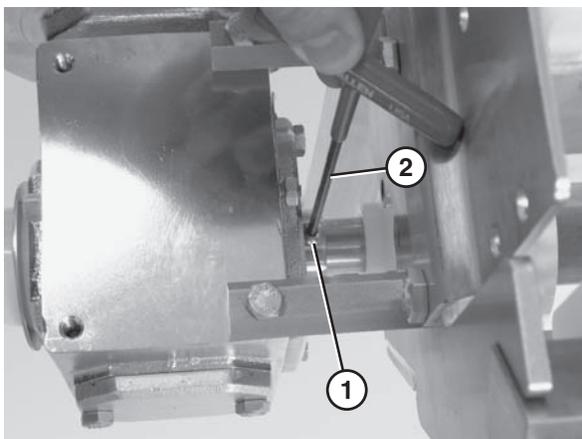


Figure 25

5. Unbolt the gear reducer hex mounting posts (**Figure 26, item 1**) from the gear reducer (**Figure 26, item 2**).

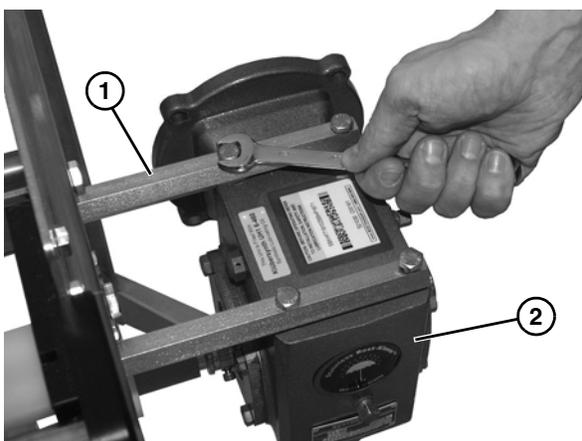


Figure 26

 WARNING

PUNCTURE HAZARD! Handle drive shaft keyway with care. It may be sharp and could puncture the skin, causing serious injury.

6. Slide the gearmotor assembly (**Figure 27, item 1**) off the drive spindle (**Figure 27, item 2**).

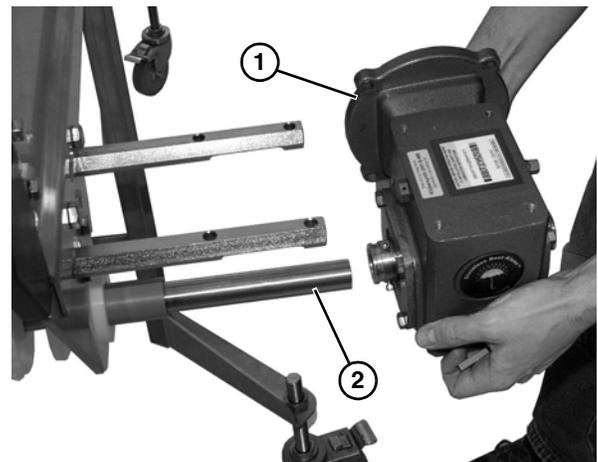


Figure 27

NOTE
<i>Be sure to retain the drive spindle key.</i>

7. Replace the gear reducer.
8. Insert the gearmotor output shaft key (**Figure 28, item 1**) into the gearmotor output shaft keyway (**Figure 28, item 2**).

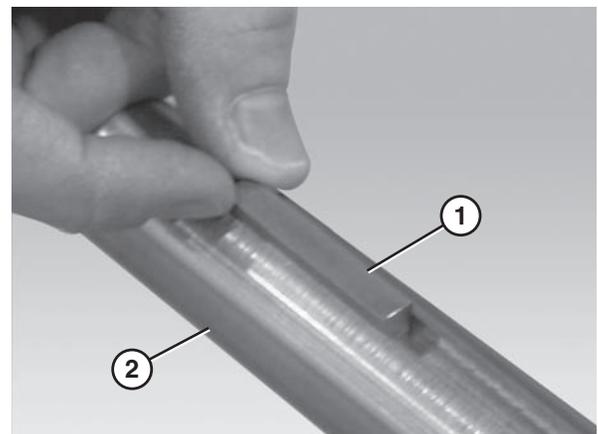


Figure 28

9. Connect the new gear reducer to the motor.

Preventive Maintenance and Adjustment

CAUTION

Ensure the O-ring (Figure 29, item 1) and gearmotor output shaft key (Figure 28, item 1) are situated properly before attaching the motor to the gear reducer.

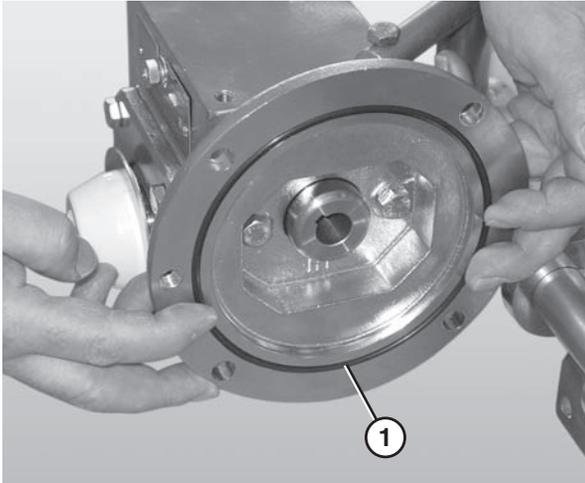


Figure 29

10. Reinstall the gearmotor assembly. Refer to “US Version Nose Bar Drive Package” installation, starting on page 7.

US Version Motor Replacement

WARNING

SEVERE HAZARD!

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

WARNING

BURN HAZARD!

DO NOT TOUCH the motor while operating, or shortly after being turned off. Motors may be **HOT** and can cause serious burn injuries.

DANGER

ELECTRICAL HAZARD!
LOCK OUT POWER BEFORE WIRING.
Exposure to high voltage current can cause death or serious injury.

1. Loosen the screws and remove the cover (Figure 30, item 1) from the junction box located on the side of the motor (Figure 30, item 2).

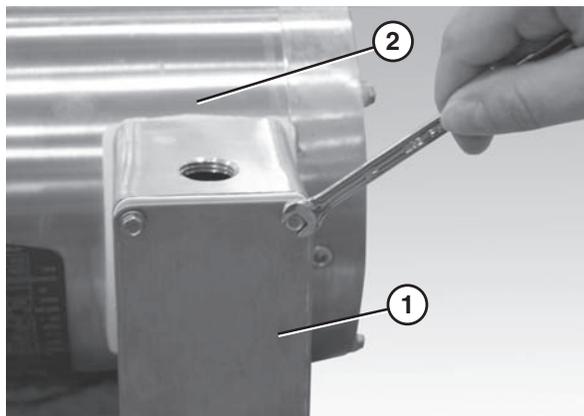


Figure 30

2. Refer to the wiring diagram (Figure 31, item 1) on the inside of the junction box cover.

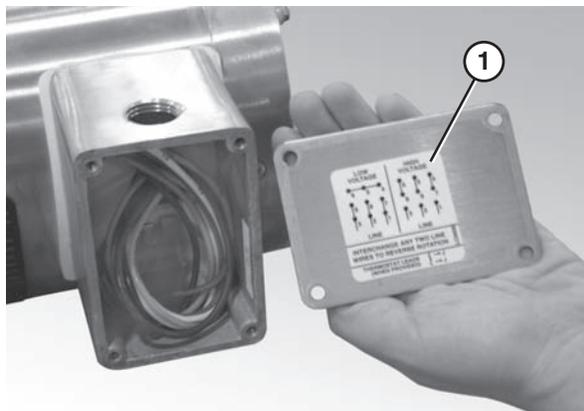


Figure 31

3. Loosen the wire nuts and disconnect the wires.
4. Loosen the cord grip and remove the cord.

Preventive Maintenance and Adjustment

⚠ WARNING

CRUSH HAZARD!
<ul style="list-style-type: none">• SUPPORT MOTOR PRIOR TO LOOSENING THE BOLTS.• Loosening motor bolts may cause it to drop down, causing serious injury.

5. Remove the bolts that connect the motor (Figure 32, item 1) to the gear reducer (Figure 32, item 2).

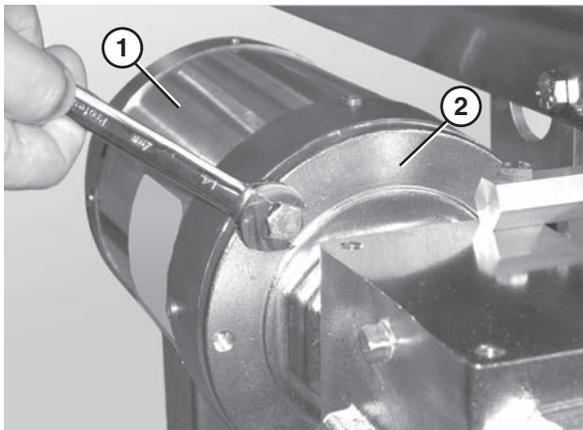


Figure 32

6. Detach the motor (Figure 33, item 1) from the gear reducer (Figure 33, item 2).

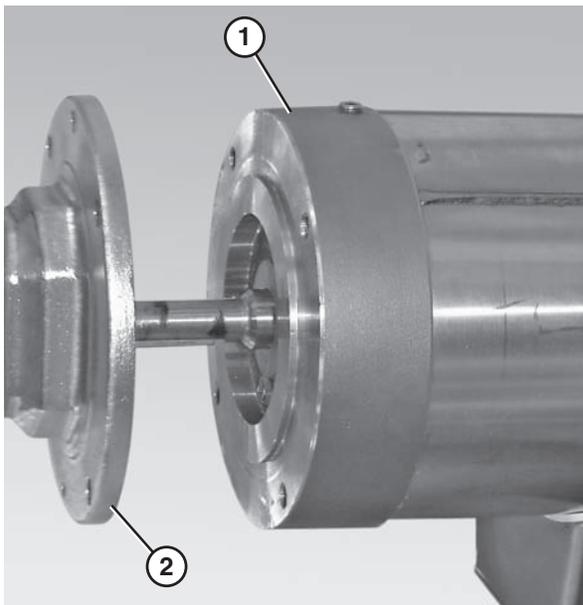


Figure 33

NOTE
<i>Be sure to retain the motor output shaft key.</i>

7. Insert the motor output shaft key (Figure 34, item 1) into the motor output shaft keyway (Figure 34, item 2).

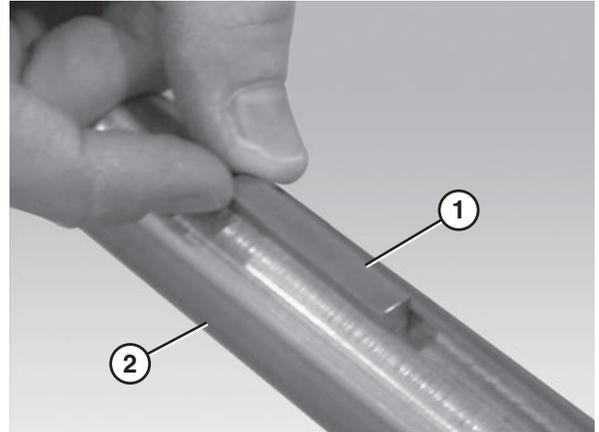


Figure 34

8. Align the motor output shaft key with the access hole in the gear reducer and connect the new motor to the gear reducer.

⚠ CAUTION
Ensure the O-ring (Figure 35, item 1) and motor output shaft key (Figure 35, item 1) are situated properly before attaching the motor to the gear reducer.

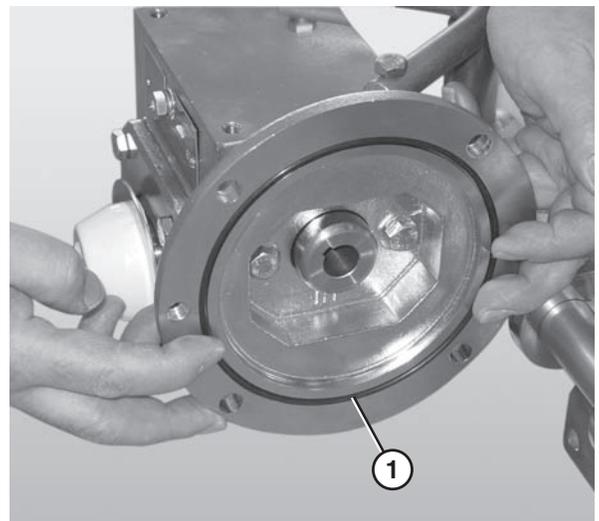


Figure 35

9. Rewire the motor and attach the junction box cover.

Preventive Maintenance and Adjustment

CE Version Gearmotor Replacement

 WARNING

SEVERE HAZARD! LOCK OUT POWER before removing guards or performing maintenance. Exposed moving parts can cause serious injury.

 WARNING

BURN HAZARD! DO NOT TOUCH the motor while operating, or shortly after being turned off. Motors may be HOT and can cause serious burn injuries.

1. Remove socket head screw (Figure 36, item 1) and gear reducer end cap (Figure 36, item 2) .

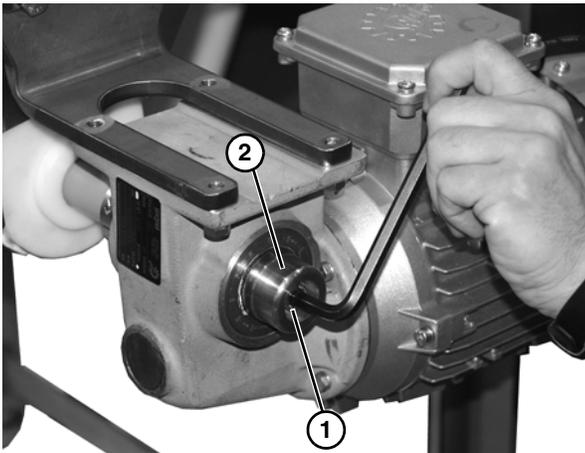


Figure 36

 WARNING

CRUSH HAZARD! <ul style="list-style-type: none">• SUPPORT MOTOR PRIOR TO LOOSENING THE BOLTS.• Loosening motor bolts may cause it to drop down, causing serious injury.

2. Remove the four bolts (Figure 37, item 1) attaching the gearmotor assembly (Figure 37, item 1) to the mounting bracket (Figure 37, item 3).

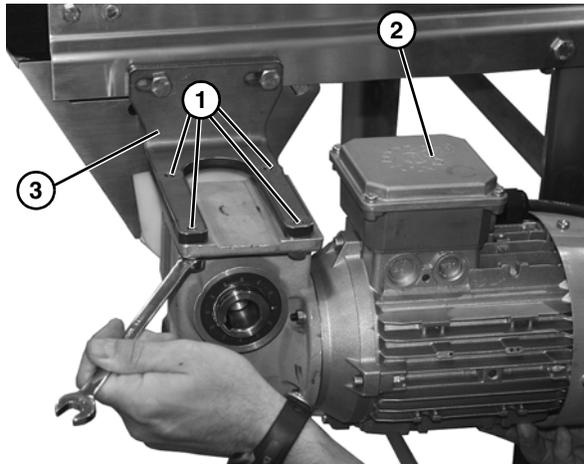


Figure 37

3. Remove gearmotor assembly (Figure 38, item 1) from shaft (Figure 38, item 2) and bracket (Figure 38, item 3).

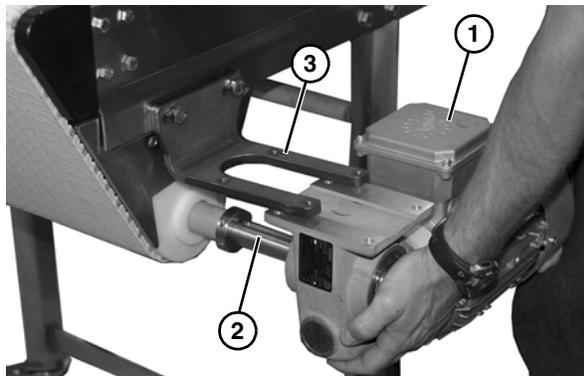


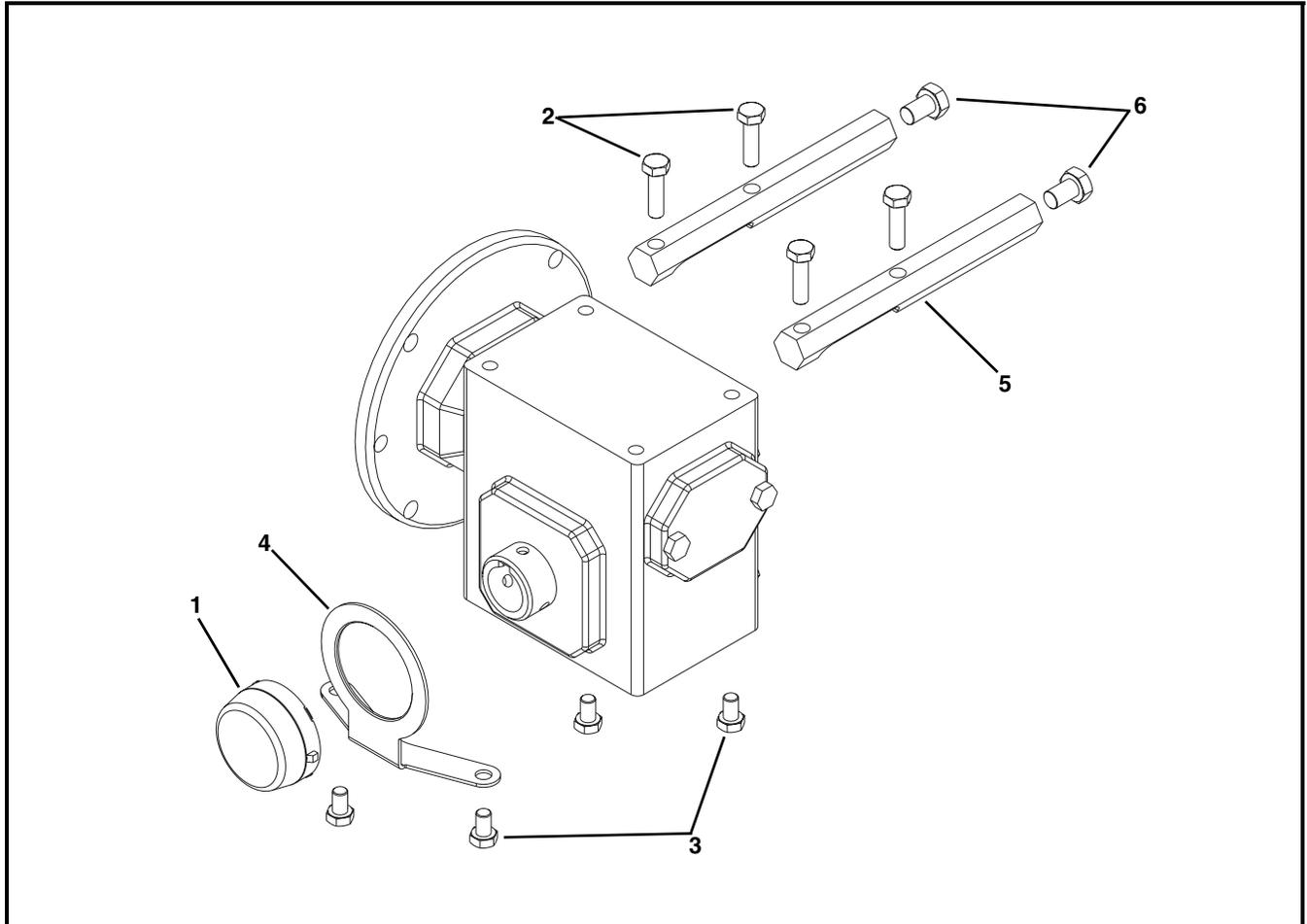
Figure 38

4. Retain key on gearmotor shaft.
5. Replace gearmotor assembly in reverse order of removal. Tighten four screws to secure.
6. Install end cap with socket head screw.

US Version Horizontal Nose Bar Drive

NOTE

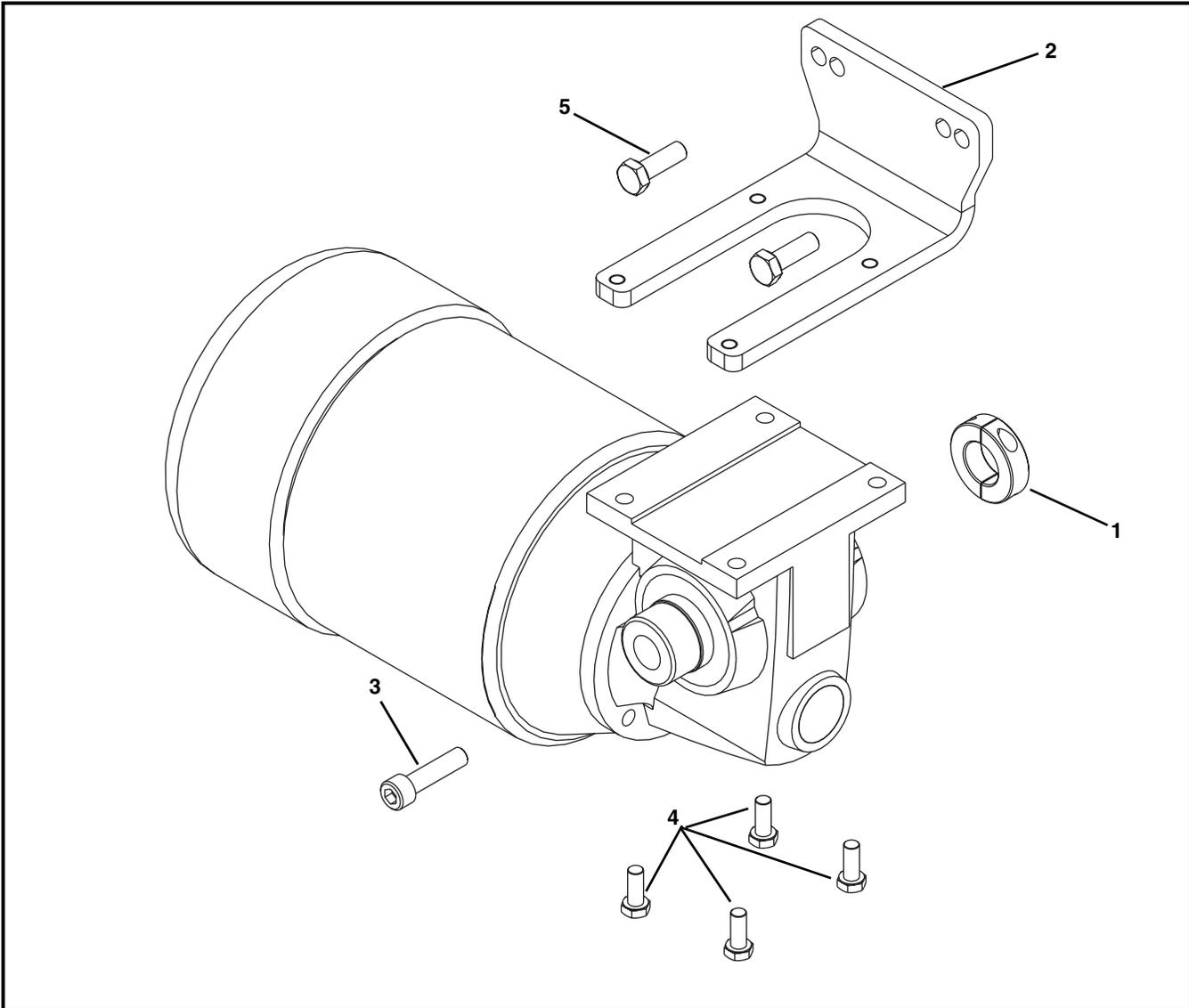
For replacement parts other than those shown in this section, contact an authorized *Dorner Service Center* or the factory. Key Service Parts and Kits are identified by the Performance Parts Kits logo . Dorner recommends keeping these parts on hand.



Item	Part Number	Description
1	807-1454	Cover
2	906-070SS	Hex Head Cap Screw 5/16-18 x 1.12"
3	906-067SS	Hex Head Cap Screw 5/16-18 x .50"
4	500492	Cover Bracket
5	500485	Hex Mounting Posts
6	961016MSS	Hex Head Cap Screw M10-1.50 x 16 mm

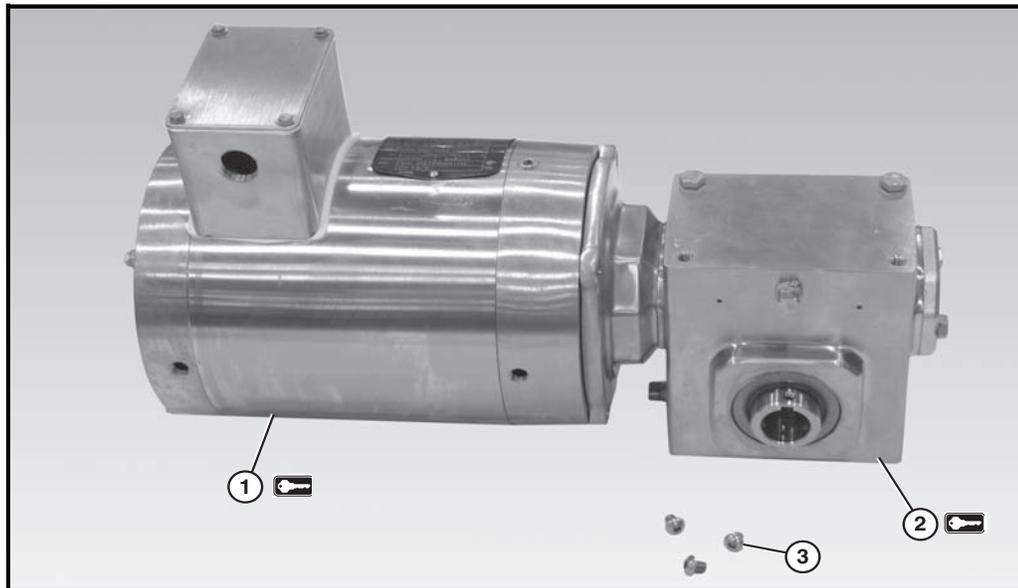
Service Parts

CE Version Horizontal Nose Bar Drive



Item	Part Number	Description
1	807-1817	Collar Clamp
2	532292	Mounting Bracket
3	921040MSS	Socket Head Screw, M10-.50 x 40 mm
4	960820MSS	Hex Head Cap Screw, M8-1.25 x 20 mm
5	961030MSS	Hex Head Cap Screw, M10-1.50 x 30 mm

US Version Gearmotor Assembly

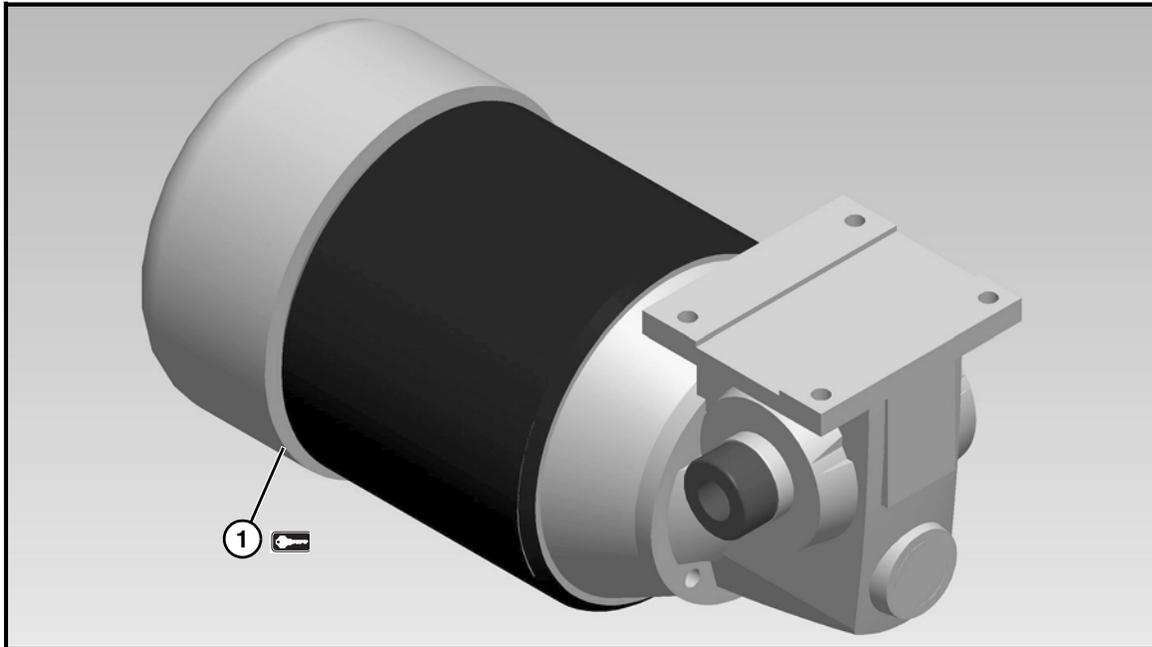


Item	Part Number	Description
1 ☞	62MZ411	Painted Motor, 0.50 Hp (0.37Kw) 115 Volts, 60Hz, 1 Phase
	62MZ423	Painted Motor, 0.50 Hp (0.37Kw) 208-230/460 Volts, 6 to 60Hz, 3 Phase
	74MHS423-10	Painted Motor, 1.00 Hp (0.74Kw) 208-230/460 Volts, 6 to 60Hz, 3 Phase
	74MHS423-15	Painted Motor, 1.50 Hp (1.11Kw) 208-230/460 Volts, 6 to 60Hz, 3 Phase
	62MZS423	Stainless Steel Motor, 0.50 Hp (0.37Kw) 208-230/460 Volts, 6 to 60Hz, 3 Phase
	74MZS423-10	Stainless Steel Motor, 1.00 Hp (0.74Kw) 208-230/460 Volts, 6 to 60Hz, 3 Phase
	74MZS423-15	Stainless Steel Motor, 1.50 Hp (1.11Kw) 208-230/460 Volts, 6 to 60Hz, 3 Phase

Item	Part Number	Description
2 ☞	74M005HS	Painted Gear Reducer, 5:1, 56C
	74M007HS	Painted Gear Reducer, 7:1, 56C
	74M010HS	Painted Gear Reducer, 10:1, 56C
	74M015HS	Painted Gear Reducer, 15:1, 56C
	74M020HS	Painted Gear Reducer, 20:1, 56C
	74M030HS	Painted Gear Reducer, 30:1, 56C
	74M040HS	Painted Gear Reducer, 40:1, 56C
	74M060HS	Painted Gear Reducer, 60:1, 56C
	74M080HS	Painted Gear Reducer, 80:1, 56C
	74M005HZ	Stainless Steel Gear Reducer, 5:1, 56C
	74M007HZ	Stainless Steel Gear Reducer, 7:1, 56C
	74M010HZ	Stainless Steel Gear Reducer, 10:1, 56C
	74M015HZ	Stainless Steel Gear Reducer, 15:1, 56C
	74M020HZ	Stainless Steel Gear Reducer, 20:1, 56C
	74M030HZ	Stainless Steel Gear Reducer, 30:1, 56C
	74M040HZ	Stainless Steel Gear Reducer, 40:1, 56C
	74M060HZ	Stainless Steel Gear Reducer, 60:1, 56C
74M080HZ	Stainless Steel Gear Reducer, 80:1, 56C	
3	917-104	Stainless Steel Socket Head Cap Screw 10-32 x .25 for Painted Gearmotor
	916-126	Stainless Steel Button Head Cap Screw 1/4-20 x .31 for Stainless Steel Gearmotor

Service Parts

CE Version Gearmotor Assembly



Item	Part Number	Description
1 G	73U060HS423FN	Gearmotor, Fixed Speed, 0.37 Kw 230/400V 3 Phase, 50 Hz, 23 RPM
	73U030HS423FN	Gearmotor, Fixed Speed, 0.75 Kw 230/400V 3 Phase, 50 Hz, 46 RPM
	73U025HS423FN	Gearmotor, Fixed Speed, 0.75 Kw 230/400V 3 Phase, 50 Hz, 55 RPM
	73U015HS423FN	Gearmotor, Fixed Speed, 1.12 Kw 230/400V 3 Phase, 50 Hz, 93 RPM
	73U010HS423FN	Gearmotor, Fixed Speed, 1.12 Kw 230/400V 3 Phase, 50 Hz, 140 RPM
	73U007HS423FN	Gearmotor, Fixed Speed, 1.49 Kw 230/400V 3 Phase, 50 Hz, 186 RPM
	73U005HS423FN	Gearmotor, Fixed Speed, 1.49 Kw 230/400V 3 Phase, 50 Hz, 279 RPM
	73U060HS423EN	Gearmotor, Variable Speed, 0.37 Kw 230/400V 3 Phase, 12-80 Hz, 37 RPM
	73U030HS423EN	Gearmotor, Variable Speed, 0.75 Kw 230/400V 3 Phase, 12-80 Hz, 74 RPM
	73U025HS423EN	Gearmotor, Variable Speed, 0.75 Kw 230/400V 3 Phase, 12-80 Hz, 88 RPM
	73U015HS423EN	Gearmotor, Variable Speed, 1.12 Kw 230/400V 3 Phase, 12-80 Hz, 149 RPM
	73U010HS423EN	Gearmotor, Variable Speed, 1.12 Kw 230/400V 3 Phase, 12-80 Hz, 224 RPM
	73U007HS423EN	Gearmotor, Variable Speed, 1.49 Kw 230/400V 3 Phase, 12-80 Hz, 298 RPM

Return Policy

Returns must have prior written factory authorization or they will not be accepted. Items that are returned to Dorner without authorization will not be credited nor returned to the original sender. When calling for authorization, please have the following information ready for the Dorner factory representative or your local distributor:

1. Name and address of customer.
2. Dorner part number(s) of item(s) being returned.
3. Reason for return.
4. Customer's original order number used when ordering the item(s).
5. Dorner or distributor invoice number (if available, part serial number).

A representative will discuss action to be taken on the returned items and provide a Returned Goods Authorization (RMA) number for reference. RMA will automatically close 30 days after being issued. To get credit, items must be new and undamaged. There will be a return charge on all items returned for credit, where Dorner was not at fault. It is the customer's responsibility to prevent damage during return shipping. Damaged or modified items will not be accepted. The customer is responsible for return freight.

Conveyors and conveyor accessories

Standard catalog conveyors	30%
MPB, 7200, 7300 Series, cleated and specialty belt	50%
AquaGard & AquaPruf Series conveyors	non-returnable items
Engineered special products	case by case
Drives and accessories	30%
Sanitary stand supports	non-returnable items

Parts

Standard stock parts	30%
Plastic chain, cleated and specialty belts	non-returnable items

Returns will not be accepted after 60 days from original invoice date. The return charge covers inspection, cleaning, disassembly, disposal and reissuing of components to inventory. If a replacement is needed prior to evaluation of returned item, a purchase order must be issued. Credit (if any) is issued only after return and evaluation is complete.

Dorner has representatives throughout the world. Contact Dorner for the name of your local representative. Our Customer Service Teams will gladly help with your questions on Dorner products.

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

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



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. 2009

DORNER MFG. CORP.

975 Cottonwood Ave., PO Box 20
Hartland, WI 53029-0020 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