

INSTRUCTION MANUAL

for the

TYPE 1082J8S

STAINLESS STEEL BAG TENSIONER

TYPE	MODEL	SERIAL NO.
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APPENDIX

- A. Fuse Kits for Thermal Protected Motors
- B. Wiring Diagrams for Thermal Protected Motors
- C. Suggested Spare Parts

GENERAL SAFETY INFORMATION

Be sure the following safety instructions are read, understood, and become a part of daily practice when operating or maintaining the closing head.

1. Do not attempt to operate the bag tensioner until you understand its function. Study the manual carefully.
2. Keep all foreign material away from the drive system.
3. Keep fingers away from the feed belts, the drive system, and the brushes.
4. Disconnect the power cord before making any adjustments on the tensioner or performing scheduled maintenance. All moving parts must be completely stopped before continuing.

1082 BAG TENSIONER SPECIFICATIONS

TYPE	MODEL	FLOW DIRECTION (Choose One)	BRUSH CONFIGURATION	MAXIMUM PACKAGE WEIGHT
1082-J8	MS	R or L		3 LBS
1082-J8	HS	R or L		3 LBS

Specify your single phase voltage requirements. The factory will supply the proper motor with your order for the country or machine in, or on, which your Bag Tensioner will be used.

THE FOLLOWING VOLTAGES ARE AVAILABLE:

115 VAC, 50/60 Hz, 1.7A/1.6A, 1 Ph - U.S. and Canada
200\220-250

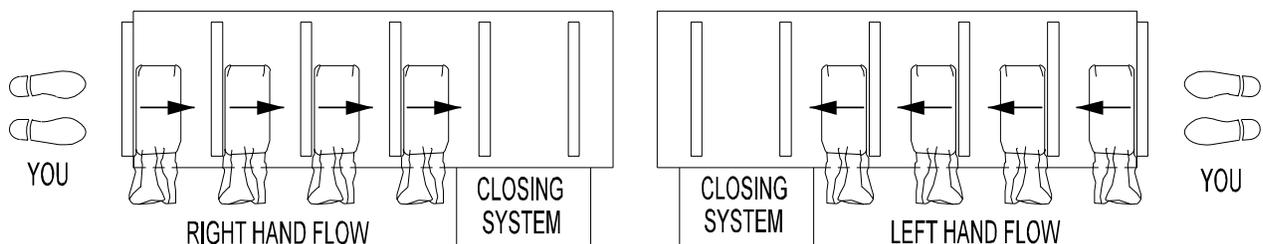
(2) Available for hand feeding operations when specified.

(3) All models available in right hand (R), or left hand (L) e.g. MSR or MSL

CONTACT THE FACTORY FOR ANY SPECIAL VOLTAGE REQUIREMENTS.

FLOW DIAGRAM

To determine the correct flow direction, visualize your package moving away from you and towards the Kwik Lok Closing Machine. If the open end of the bag is on your right hand side - the flow direction is RIGHT. If the open end of the bag is on your left hand side - the flow direction is LEFT.



SECTION II Installation

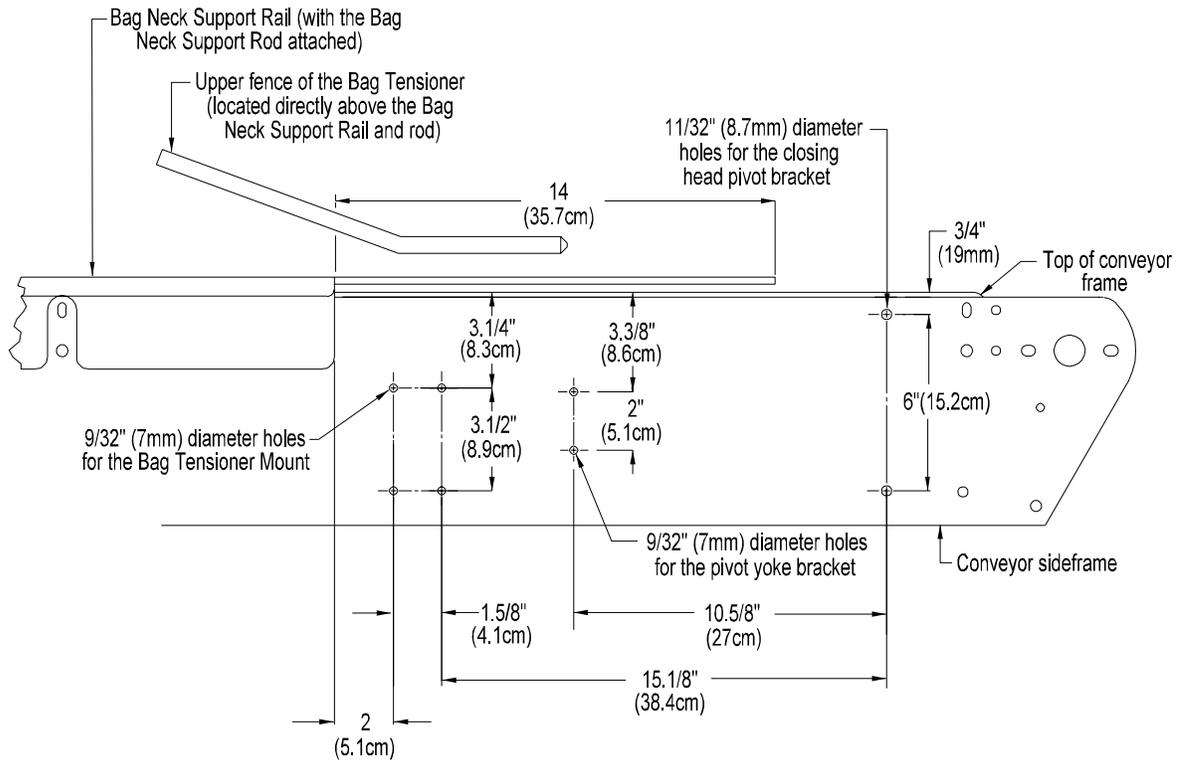


Figure 2.1

A. INSTALL BAG TENSIONER MOUNT: Figure 2.1

The closing head and the bag tensiometer must be mounted correctly in order to maximize closing efficiency. Refer to figure 2.1 for locating and drilling the required mounting holes.

When mounting a bag tensiometer on another manufacturer's conveyor, refer to figure 2.1 for proper mounting locations. A bag tensiometer mount and mounting hardware is provided when mounting on another manufacturer's conveyor.

SECTION II Installation

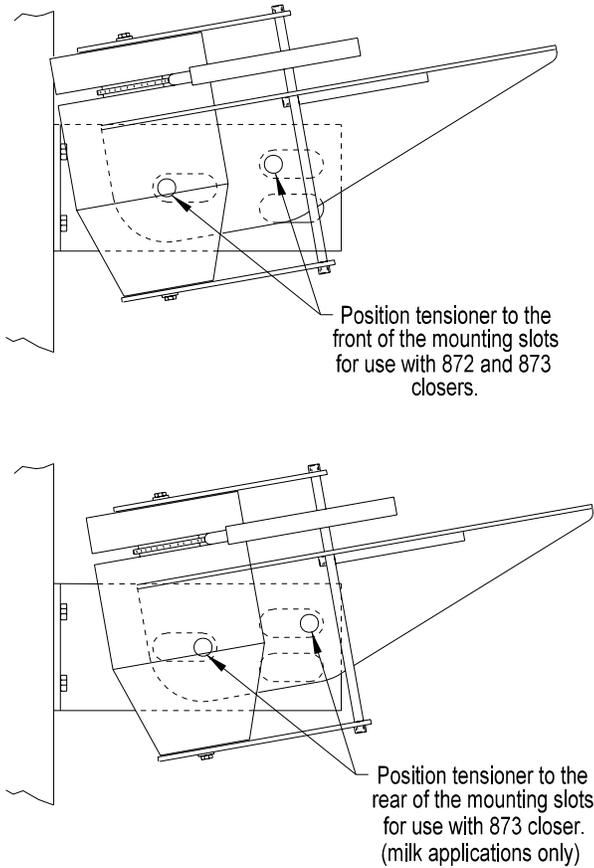


Figure 2.2

B. MOUNTING THE BAG TENSIONER: Figure 2.2 and 2.3

1. After attaching the tensioner mount, set the bag tensioner in the mount as shown (Figure 2.1). The two mounting shafts slide into the mounting slots.
2. Set the tensioner forward in the mounting slots for most closing applications (toward conveyor side). Position the tensioner at the back of the slots for milk closing applications only.
3. Add the washer and nut to the end of the mounting shaft. Tighten the mounting nut "finger tight" only at this time.

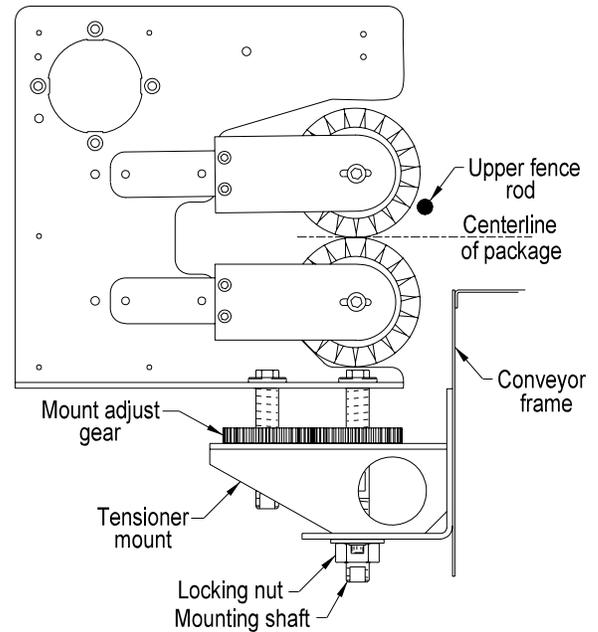


Figure 2.3

4. With the tensioner properly located in the mounting slots, tighten the two No. 10 socket head screws to secure the tensioner adjustment washer to the bottom of the tensioner mount. This allows the bag tensioner to be removed from the mount and then remounted in the same operating location.
5. Check to see that the point at which the brushes mesh together corresponds to the horizontal center line of the package to be closed. Adjust the height of the bag tensioner by first loosening the mounting nut and then turning the mount adjust gears (Figure 2.3) in the desired direction to raise or lower the tensioner. After the proper tensioner height is achieved, tighten the mounting nut to the tensioner mounting shaft.
6. Adjust the upper fence rod until its outside edge lines up vertically with the side of the conveyor frame (Figure 2.3).

SECTION III Maintenance

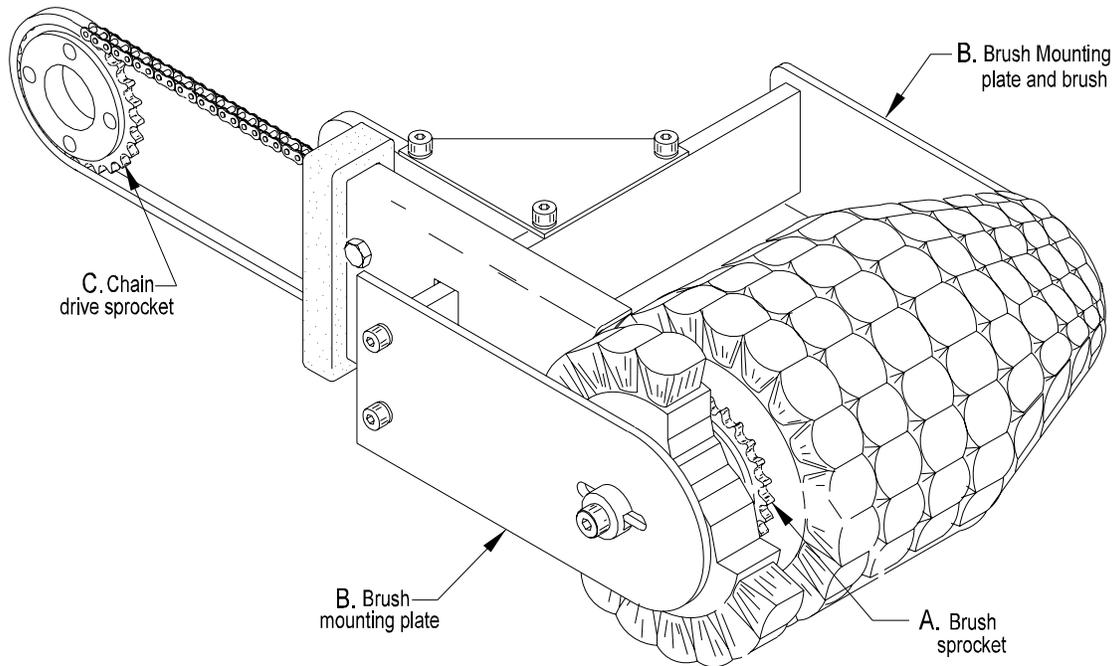


Figure 3.1

Although the 1082J8S Bag Tensioner is virtually maintenance free, the following preventative maintenance schedule will increase life and dependability.

A. MONTHLY MAINTENANCE:

1. Inspect areas around the brush drive chains and sprockets for bag material lodged between parts. Remove any material from between the sprockets and brushes or the ends of the brush assemblies and the brush mounting plates. Remove the gear cover to gain access to the rear guide sprockets.
2. Keep the two drive chains properly tensioned. Loosen the socket head screws at the discharge end of the brush shaft. Place fingers on the brush assembly as detailed in figure 3.1. Apply

enough pressure to take up slack in the drive chain. Tighten the mounting screw. Check the location of the of the screw in the slot and compare it to the other mounting screw in the other side of the brush shaft. Adjust if needed to keep the brushes aligned.

B. YEARLY MAINTENANCE:

1. Check the drive gears and chain sprockets for wear. The gears and sprockets need no lubrication.
2. Inspect the bearings for damaged seals and wear. Replace if either is present.
3. Replace the drive chain yearly, or when it has lengthened enough to require 1/4" of additional takeup. Follow the chain replacement procedures listed below.

SECTION III Maintenance

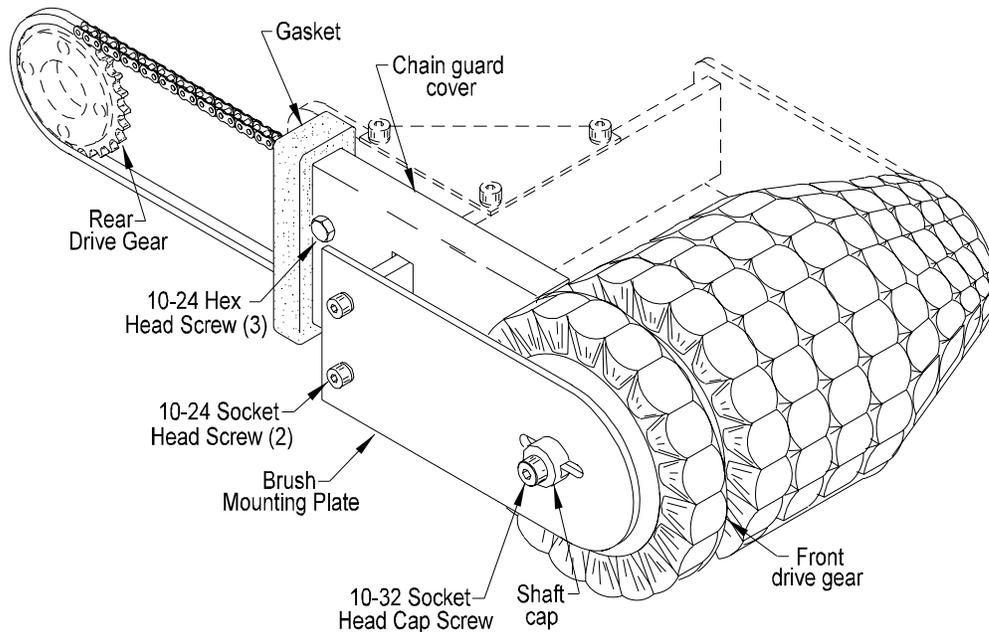


Figure 3.2

C. CHAIN REPLACEMENT PROCEDURE: Figure 3.2

The drive chains, are preassembled at the chain factory, and have no Master Links. The chain is also lubricated at the factory. (stainless steel drive chain excluded). The chains can be replaced without breaking the chain apart.

1. Disconnect power to the bag tensiometer.
2. Remove the main gear cover.
3. Remove the two 10-32 socket head screws connecting the shaft cap to the ends of the brush shaft. Remove the two 10-24 socket head screws at the rear of the brush mounting plate and remove the plate from the tensiometer.
4. Remove the three 10-24 hex head screws, which fasten the chain guard cover to the chain guard mounting block. Remove the cover from the tensiometer.

5. Turn the brush assembly by hand and work the chain off the drive gear at the rear of the tensiometer.
6. Remove the chain from the tensiometer.
7. Install the new chain around the brush assembly sprocket. Work the chain through the gasket and then around the second sprocket.
8. Replace the chain guide cover, the brush mounting plate and the main gear cover.
9. Refer to part A. number 2 to adjust the tension of the new chain before operating the tensiometer under power.

D. MOTOR RESET:

Thermal overload protection is built into the bag tensiometer motor. Should the thermal overload trip, reset the motor as follows:

1. Allow the motor to cool. Remove power from the bag tensiometer to reset the thermal overload. Apply power to the bag tensiometer to restart the motor.

SECTION IV Adjustments

CAUTION: DISCONNECT POWER TO THE BAG TENSIONER BEFORE CONDUCTING ADJUSTMENTS.

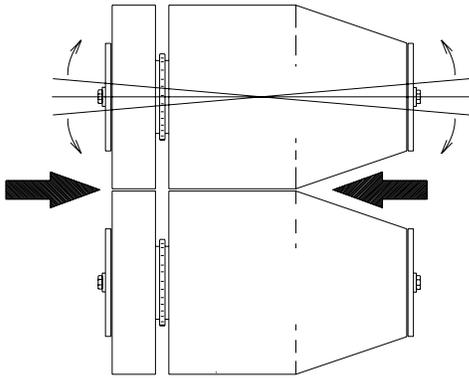


Figure 4.1

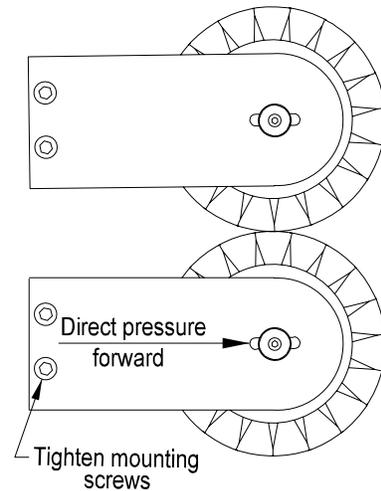


Figure 4.2

A. ADJUST BRUSH TRACKING.

Figure 4.1 and 4.2

The bagneck should be as flat and wrinkle free as possible as it enters the closer. The two brush assemblies should be parallel where they contact to optimize the tensioners ability to prepare the bagneck for entry into the closer. (Figure 4.1) The brush mount plates mount with two 10-24 x 1/2" socket head cap screws. These screws are used to align the brushes as follows.

1. Loosen the two plate mounting screws on the side of the brush assembly to be aligned.
2. Hold the brush mount plate in your hand.
3. Apply pressure to the back of the plate (opposite the curved end) in a forward direction toward the brush assembly (Figure 4.2).
4. Raise or lower until the brush mount plate is pressed firmly against both mounting screws. (The mounting holes are oversized allowing for this adjustment) Tighten the mounting screws.
5. From the front of the tensioner check the gap between the two brush assemblies and verify that they are now parallel (this does not apply to the tapered portion of brush assembly).
6. If needed, repeat the adjustment.

SECTION IV Adjustments

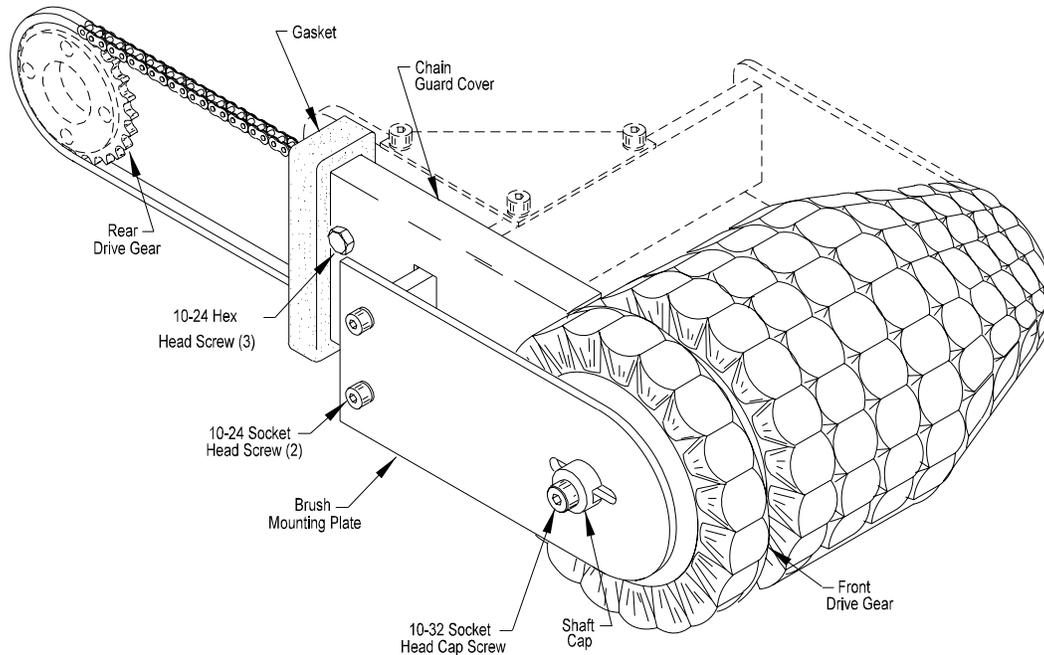


Figure 4.3

B. ADJUST THE BRUSH DRIVE CHAIN(S) Figure 4.

1. Loosen the 10-32 socket head screws on either end of the shaft cap.
2. Loosen the socket head screws at the discharge end of the brush shaft.
3. Place fingers on the brush assembly as detailed in figure 3.1.
4. Apply enough pressure to take up slack in the drive chain.
5. Tighten the mounting screw.
6. Check the location of the of the screw in the slot and compare it to the other mounting screw in the other side of the brush shaft. Adjust if needed to keep the brushes aligned.

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.

Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

SECTION V Parts Identification

PARTS ORDERING PROCEDURES

IMPORTANT: The 1082J8S Stainless Bag Tensioner is available in right and left hand models. **ALL ILLUSTRATIONS DEPICTED IN THIS MANUAL ARE CONFIGURED TO A RIGHT HAND MODEL BAG TENSIONER.** Parts lists include part numbers for both right and left hand models when applicable. Determine the hand of the machine so as to insure that the correct parts are ordered. Information is contained in the front parts section of the closer manual to establish if your machine is either right or left hand.

When ordering parts **ALWAYS:**

1. Specify on the order the **TYPE, MODEL,** and **SERIAL NUMBER** of the machine for which parts are being ordered. This information will be found on the machine's nameplate, and;
2. Do NOT order by item number. Order by PART, or KIT NUMBER.

There is an option for ordering individual replacement PARTS, or for ordering replacement "KITS". A KIT is an option for related PARTS combined under one number. These KITS provide three functions:

1. To combine various PARTS that make up a machine model.
2. To provide options to the basic machine (e.g. UPPER FENCE).
3. To facilitate ordering and stocking of spare parts (e.g. spare parts page in the Appendix).

To order individual PARTS, be sure to observe the following procedure:

- A. Identify the desired PART(S) by referring to the assembly illustrations (pages 5.2 - 5.11). Each PART is assigned an "Item Number" on the illustration. **DO NOT ORDER BY ITEM NUMBER.**
- B. Refer to the parts list. Locate the pertinent item number in the left-hand column. Opposite the item number is the part number and description to be listed in the order.
- C. Specify on the order the TYPE, MODEL, and SERIAL NUMBER of the machine for which parts are being ordered. This information will be found on the machine nameplate.

As an example - on Page 5.3, item 1 is the KNOB - UPPER BRUSH MOUNT ADJUST. When ordering the replacement part(s) use the PART NUMBER AND DESCRIPTION. Using the machine description located on the nameplate, the order should specify;

"One Part Number 08-000566, KNOB - UPPER BRUSH MOUNT ADJUST
for the Bag Tensioner Type 1082J8S Model MR, Serial Number 1001"

SECTION V

Parts Identification

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.
Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

1/8 HP MEDIUM DUTY FRAME

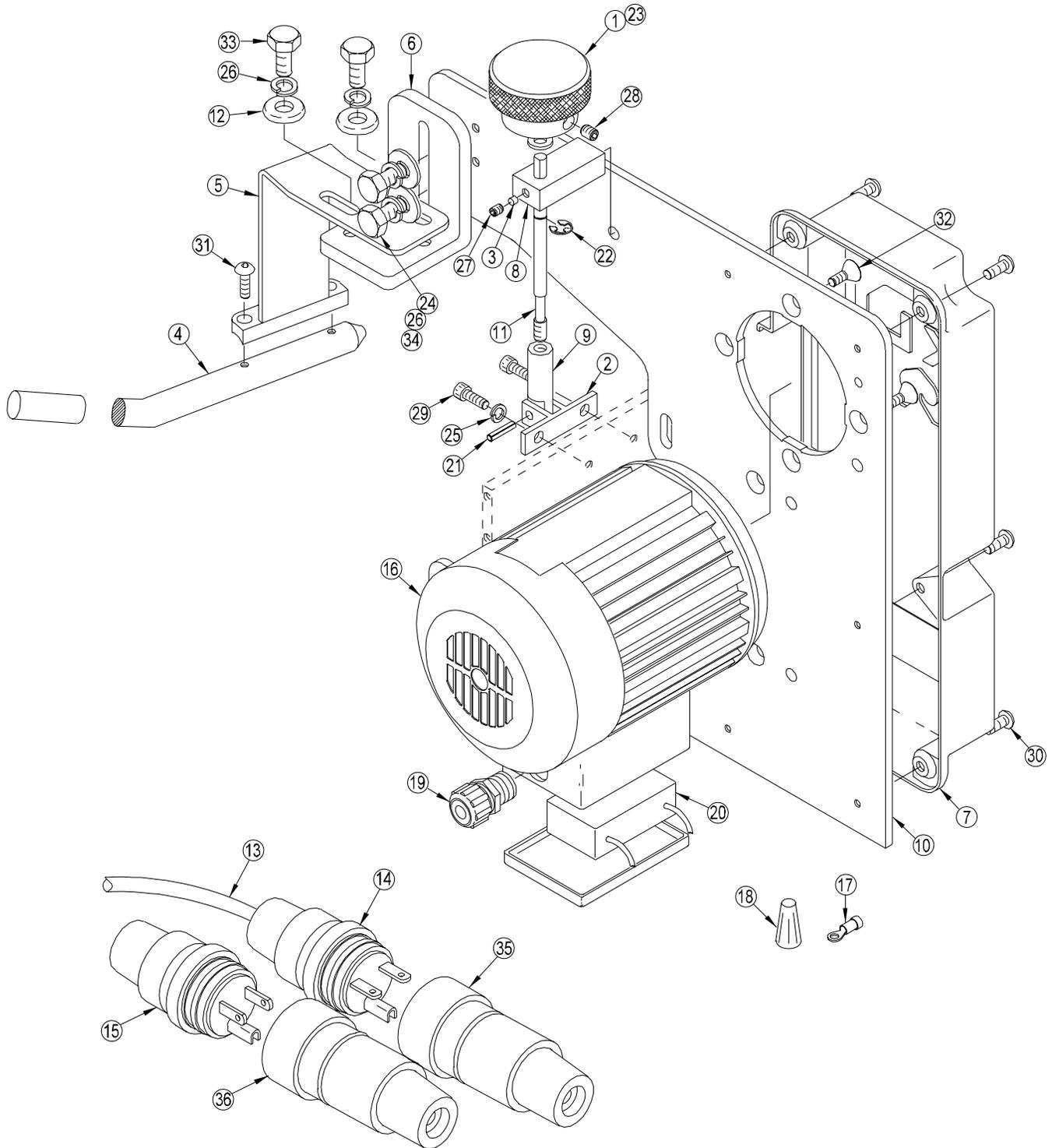


Figure 5.1

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.

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SECTION V

Parts Identification

1/8 HP MEDIUM DUTY FRAME

(Figure 5.1)

PARTS LIST

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
1	08-000566	Knob - Upper Brush Mount Adjust	1	16	P21-00072A	Motor - 1/8 HP 115VAC - 50/60 Hz	1
2	08-001844S	Bracket - Knuckle Mount	1		P21-00207	Motor - 1/8 HP 200/250 VAC - 50/60 Hz	1
3	08-002031	Plug - Nylon	1	17	P11-00109	Terminal - Closed Loop	1
4	08-002966-SR	Fence - Upper Cone- Model M (right-hand machine)	1	18	P11-00260	Nut - Wire	4
	08-002966-SL	Fence - Upper Cone - Model M (left-hand machine)	1	19	P11-00407	Strain Relief	1
5	08-002967-SR	Clamp - Fence Support Model M (right-hand machine)	1	20	P21-00208	Capacitor - 200VAC - 50-60 Hz	1
	08-002967-SL	Clamp - Fence Support Model M (left-hand machine)	1		P21-00209	Capacitor - 220VAC-250VAC 50-60 Hz	1
6	08-002968-SR	Bracket - Upper Fence Mount Model M (right-hand machine)	1	21	P23-00108S	Pin 3/16 x 1/2 Lg	1
	08-002968-SL	Bracket - Upper Fence Mount Model M (left-hand machine)	1	22	P27-00054S	Ring - Retaining	1
7	08-003446-SR	Cover - Gear (right-hand machine)	1	23	F14-252S	Washer - 3/16 Flat	1
	08-003446-SL	Cover - Gear (left-hand machine)	1	24	F01-250S	Washer - 1/4 Flat	2
8	08-002423S	Bearing - Adjust Rod	1	25	F02-190S	Washer - No. 10 Sp Lk	4
9	08-002424S	Knuckle	1	26	F02-250S	Washer - 1/4 Sp Lk	5
10	08-004886-SR	Frame (right-hand machine)	1	27	F06-190C03SNS	Screw - 10-24UNC x 3/16" Lg Nylok Skt Set	1
	08-004886-SL	Frame (left-hand machine)	1	28	F06-250C04S	Screw - 1/4UNC x 1/4" Lg Skt Set	1
11	08-002445	Rod - Brush Adjust (1/8 HP)	1	29	F10-190C08S	Screw - 10-24UNC x 1/2" Lg Skt Hd Cap	2
12	0W-002S	Washer	2	30	F11-190F05S	Screw - 10-32UNF x 5/16" Lg Skt Btn Hd	5
13	P11-00243	Cord - Electrical	72"	31	F11-190C08S	Screw - 10-24UNC x 1/2" Lg Skt Btn Hd	2
	P11-00736	Cord - Electrical - International	72"	32	F12-250C08S	Screw - 1/4-20UNC x 1/2" Lg Skt Flt Hd	4
14	P11-00159	Plug - Electrical - 200 - 250VAC Watertite	1	33	F13-250F08S	Screw - 1/4-28UNF x 1/2" Lg Hx Hd	3
15	P11-00162	Plug - 115VAC - Watertite	1	34	F13-250F10S	Screw - 1/4-28UNF x 5/8" Lg Hex Hd	2
				35	P11-00160	Recepticle - HV - Watertite	1
				36	P11-00163	Recepticle - LV - Watertite	1

SECTION V

Parts Identification

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.
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SHORT BRUSH ARM ASSEMBLY (TWO ASSEMBLIES PER MACHINE)

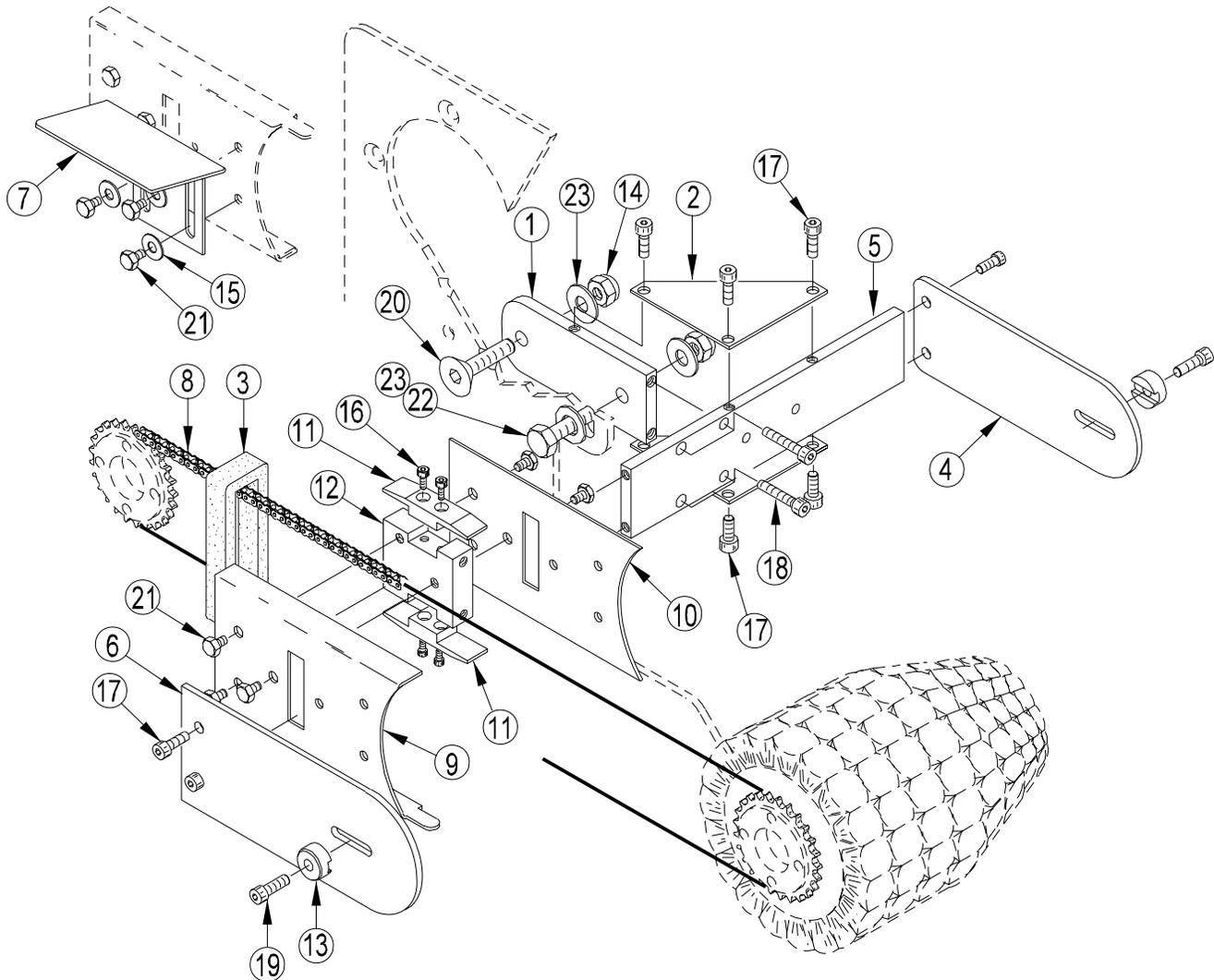


Figure 5.2

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.

Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

SECTION V Parts Identification

SHORT BRUSH ARM ASSEMBLY (TWO ASSEMBLIES PER MACHINE)

Figure 5.2

PARTS LIST

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
1	08-002425	Pivot - Brush Mount	1	14	P23-00068S	Nut - 1/4-28UNF ESNA	2
2	08-002426	Gusset - Brush Mount	2	15	F01-190S	Washer - No. 10 Flat	3
3	08-002432	Gasket - Chain Guard	2	16	F10-138C08S	Screw - 6-32UNC x 1/2" Lg	
4	08-002435	Plate - Brush Mount	1			Skt Hd Cap	4
5	08-002436	Bar - Brush Mount - Short	1	17	F10-190C08S	Screw - 10-24UNC x 1/2" Lg	
6	08-002439	Plate - Brush Mount	1			Skt Hd Cap	10
7	08-002452	Shelf - Bagnack (one per machine)	1	18	F10-190C12S	Screw - 10-24UNC x 3/4" Lg	
						Skt Hd Cap	4
8	08-002460	Chain - Brush Drive	1	19	F10-190F10S	Screw - 10-32UNF x 5/8" Lg	
9	08-002461-R	Cover - Chain Guard (right-hand)	1			Skt Hd Cap	2
	08-002461-L	Cover - Chain Guard (left-hand shown)	1	20	F12-250F16S	Screw - 1/4-28UNF x 1" Lg	
						Skt Flt Hd	1
10	08-002462	Guard - Chain	1	21	F13-190C04S	Screw - 10-24UNC x 1/4" Lg	
11	08-004877	Shim - Wear	2			Hx Hd	6
12	08-004878	Mount - Chain Guard	1	22	F13-250F16S	Screw - 1/4-28UNF x 1" Lg	
13	08-005558	Cap - Shaft	2			Hx Hd	1
				23	F14-252S	Washer - 3/16 USS Flt	3

SECTION V

Parts Identification

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.
Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

LONG BRUSH ARM ASSEMBLY (TWO ASSEMBLIES PER MACHINE)

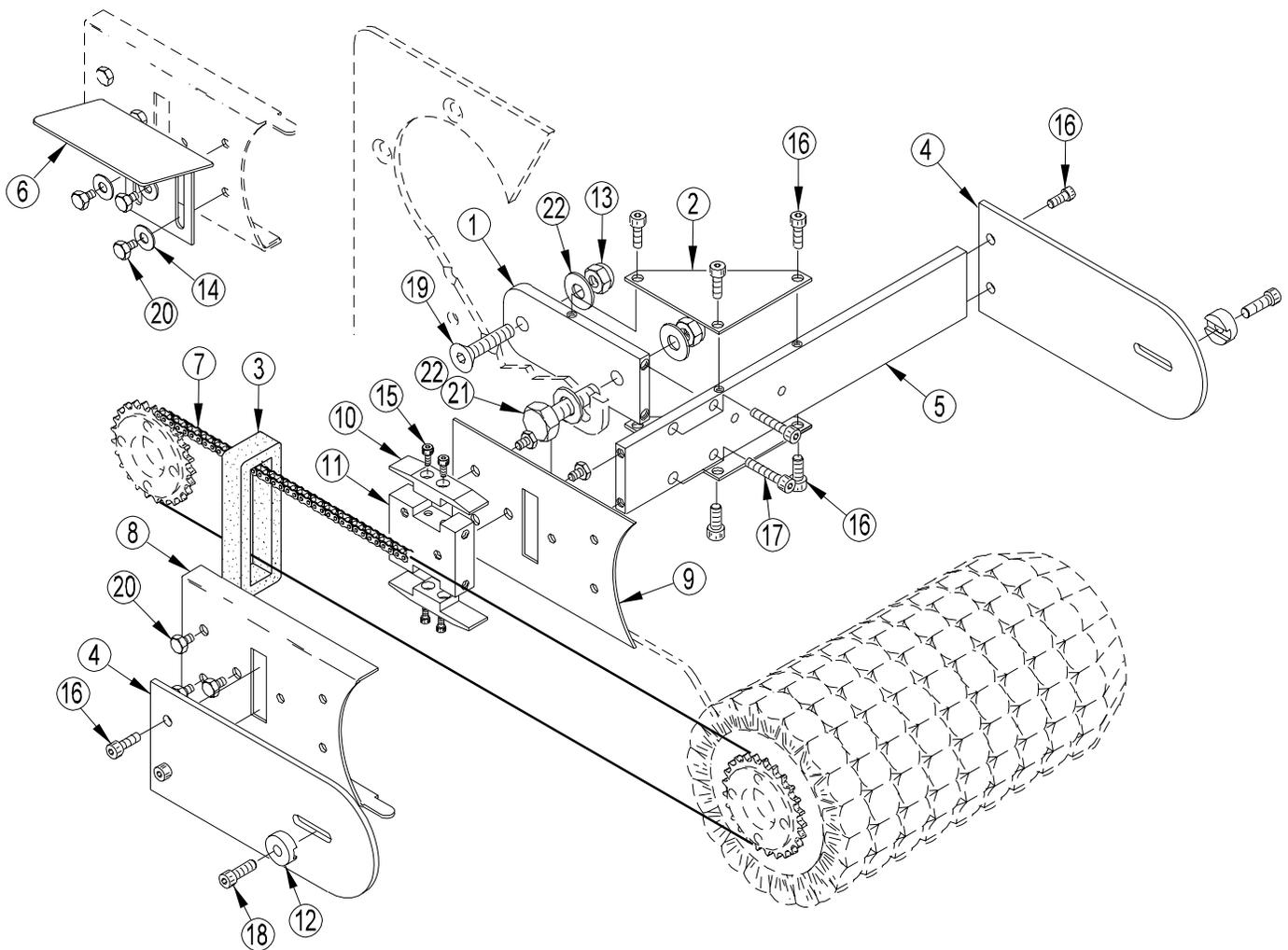


Figure 5.3

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.

Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

SECTION V

Parts Identification

LONG BRUSH ARM ASSEMBLY

(TWO ASSEMBLIES PER MACHINE)

Figure 5.3

PARTS LIST

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
1	08-002425	Pivot - Brush Mount	1	14	F01-190S	Washer - No. 10 Flat	3
2	08-002426	Gusset - Brush Mount	2	15	F10-138C08S	Screw - 6-32UNC x 1/2" Lg	
3	08-002432	Gasket - Chain Guard	2			Skt Hd Cap	4
4	08-002439	Plate - Brush Mount	2	16	F10-190C08S	Screw - 10-24UNC x 1/2" Lg	
5	08-002440	Bar - Brush Mount -Long	1			Skt Hd Cap	10
6	08-002452	Shelf - Bagneck		17	F10-190C12S	Screw - 10-24UNC x 3/4" Lg	
		(one per machine)	1			Skt Hd Cap	4
7	08-002460	Chain - Brush Drive	1	18	F10-190F10S	Screw - 10-32UNF x 5/8" Lg	
8	08-002461-R	Cover - Chain Guard				Skt Hd Cap	2
		Right Hand	1	19	F12-250F16S	Screw - 1/4-28UNF x 1" Lg	
	08-002461-L	Cover - Chain Guard				Skt Flt Hd	1
		Left Hand (shown)	1	20	F13-190C04S	Screw - 10-24UNC x 1/4" Lg	
9	08-002462	Guard - Chain	1			Hx Hd	6
10	08-004877	Shim - Wear	2	21	F13-250F16S	Screw - 1/4-28UNF x 1" Lg	
11	08-004878	Mount - Chain Guard	1			Hx Hd	1
12	08-005558	Cap - Shaft	2	22	F14-252S	Washer - 3/16 USS Flt	3
13	P23-00068	Nut - 1/4-28UNF ESNA	2				

SECTION V

Parts Identification

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.
 Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

BRUSH ASSEMBLY - SHORT SOFT CONE (TWO ASSEMBLIES PER MACHINE)

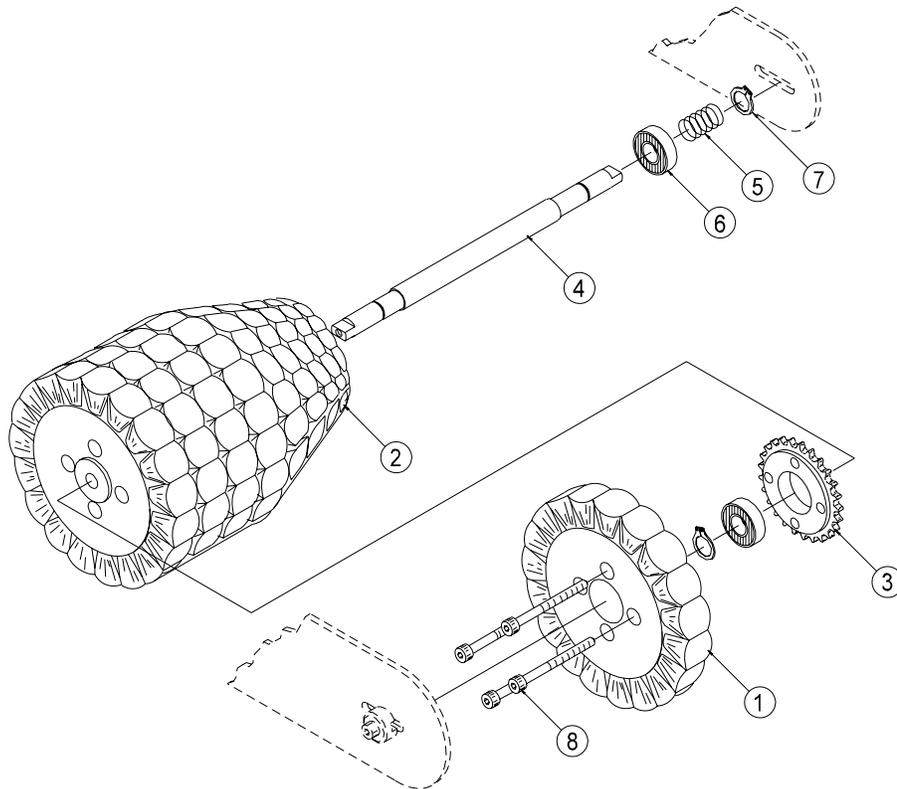


Figure 5.4

PARTS LIST

Item No.	Part No.	Description	Qty.
1	08-002433	Brush - End	1
2	08-002434	Brush - Short Soft Cone	1
3	08-002459	Sprocket - Drive Chain	1
4	08-004884	Shaft - Short Brush	1
5	0S-062	Spring - Compression	1
6	P02-00113	Bearing	2
7	P27-00018S	Ring - Retaining	2
8	F10-190C32S	Screw - 10-24UNC x 2" Lg Skt Hd Cap	4

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 Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

SECTION V Parts Identification

LONG BRUSH ASSEMBLY (TWO ASSEMBLIES PER MACHINE)

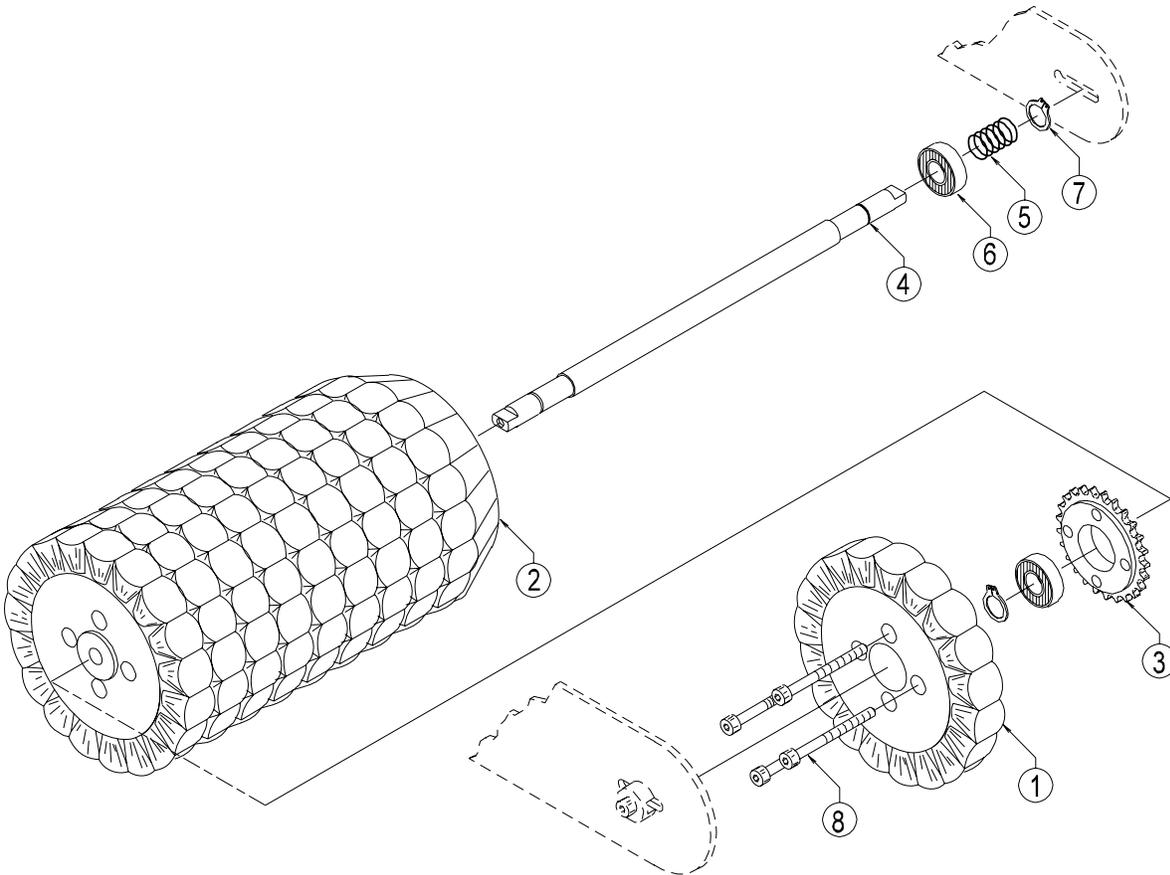


Figure 5.5

PARTS LIST

Item No.	Part No.	Description	Qty.
1	08-002433	Brush - End	1
2	08-002438	Brush - Long - Stiff - Straight	1
3	08-002459	Sprocket - Drive Chain	1
4	08-004889	Shaft - Brush - Long	1
5	0S-062	Spring - Compression	1
6	P02-00113	Bearing	2
7	P27-00018S	Ring - Retaining	2
8	F10-190C32S	Screw - 10-24UNC x 2" Lg Skt Hd Cap	4

SECTION V

Parts Identification

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.
 Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

1/8 HP GEARS - MEDIUM DUTY FRAME

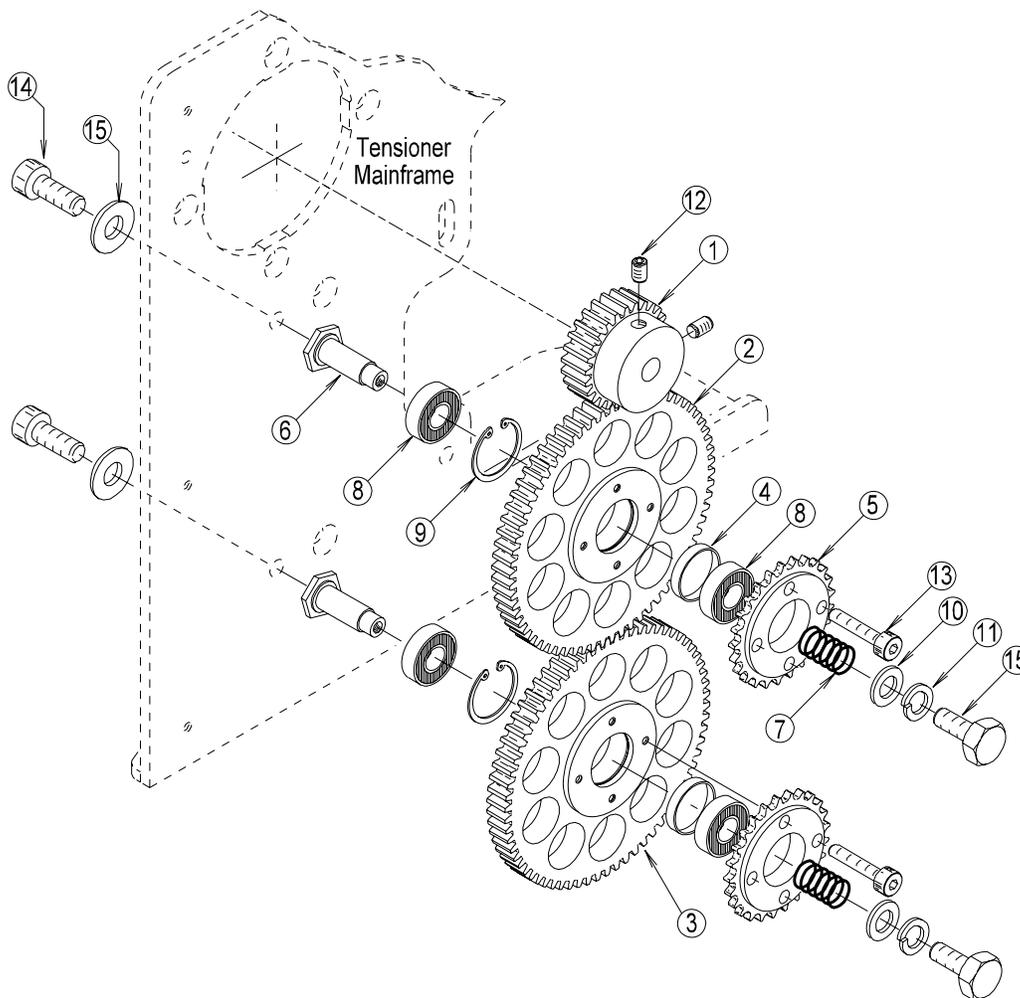


Figure 5.6

PARTS LIST

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
1	08-002416	Gear - Motor	1	11	F02-250S	Washer - 1/4 Sp Lk	2
2	08-002418	Gear	1	12	F06-250C05S	Screw - 1/4-20UNC x 5/16" Lg	2
3	08-002419	Gear	1			Skt Set	2
4	08-002422	Bushing - Bearing	2	13	F10-190C12S	Screw - 10-24UNC x 3/4" Lg	8
5	08-002459	Sprocket - Chain	2			Skt Hd Cap	2
6	08-004883	Shaft - Gear	2	14	F10-250F06S	Screw - 1/4-28UNF x 3/8" Lg	2
7	0S-062	Spring - Compression - Gear	2			Skt Hd Cap	2
8	P02-00113	Bearing	4	15	F13-250F08S	Screw - 1/4-28UNF x 1/2" Lg	2
9	P27-00053S	Ring - Retaining	2			Hex Hd	2
10	F14-252S	Washer - 3/16 USS Flt	2	16	0W-002S	Washer	2

WARNING: DO NOT ORDER PARTS BY ITEM NUMBER.
 Be sure to order by Part Number and Description. Please list the Serial Number of the machine for which the parts are being ordered.

SECTION V Parts Identification

BAG TENSIONER MOUNT 1/8 HP

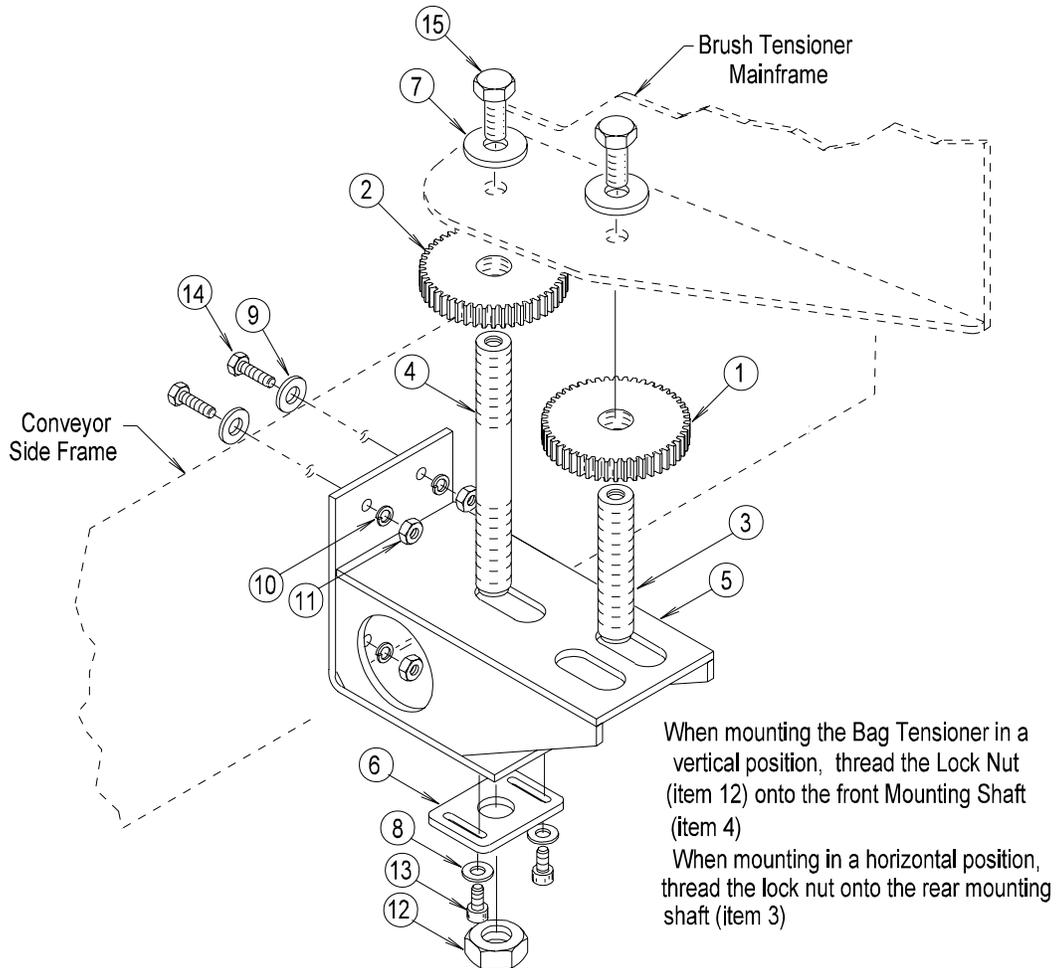


Figure 5.7

PARTS LIST

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
1	08-000585-SR	Gear - Mount - Adjust (right hand thread)	1	9	F01-250S	Washer - 1/4 SAE Flt	4
2	08-000585-SL	Gear - Mount - Adjust (left hand thread)	1	10	F02-250S	Washer - 1/4 Sp Lk	4
3	08-001856S	Shaft - Mounting	1	11	F03-250FS	Nut - 1/4-28 UNF - Hex	4
4	08-001857S	Shaft - Mounting	1	12	F03-750CS	Nut - 3/4-10 UNC - Hex	1
5	08-002651S	Mount - Bag Tensioner	1	13	F10-190F07S	Screw - 10-32UNF x 7/16"Lg Skt Hd Cap	2
6	08-002989S	Washer -Tensioner Adjust	1	14	F13-250F12S	Screw - 1/4-28UNF x 3/4" Lg Hex Hd	4
7	08-003402S	Washer - Tensioner Mounting	2	15	F13-500F16S	Screw - 1/2-20UNF x 1" Lg Hex Hd	2
8	F01-190S	Washer - No.10 SAE Flt	2				

SECTION VI Wiring Diagram

WIRING DIAGRAM - 1/8 HP 115VAC (INTERNAL THERMAL PROTECTION)

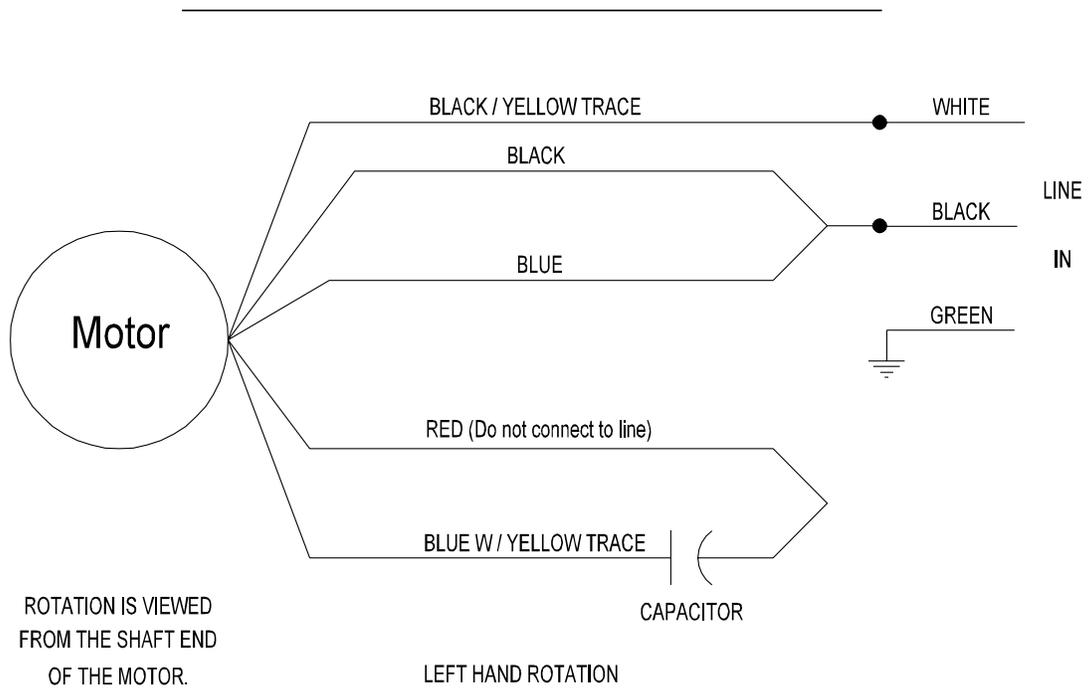
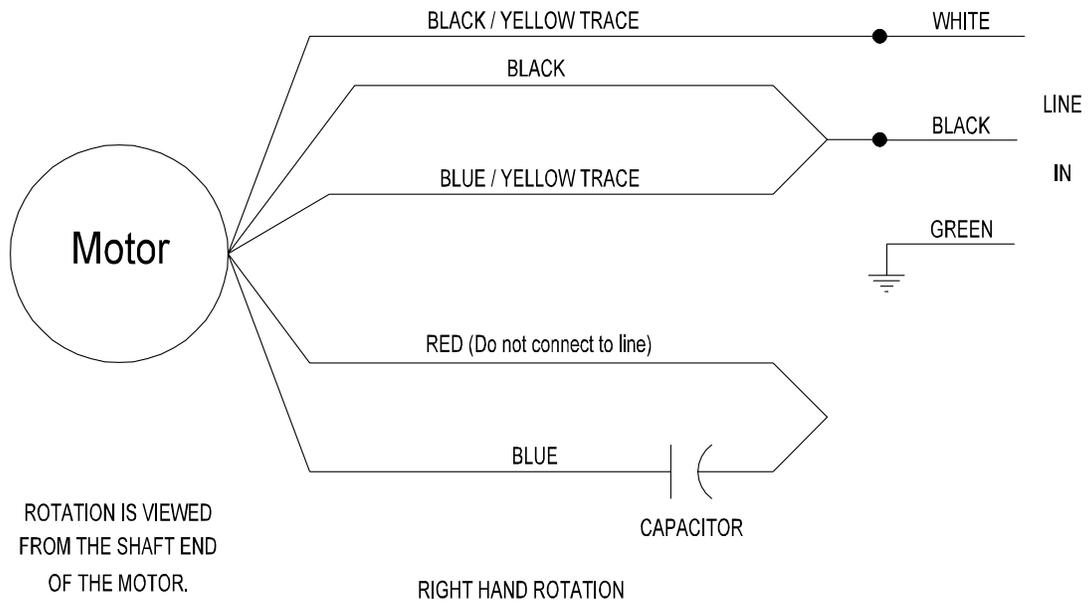


Figure 6.1

SECTION VI

Wiring Diagram

WIRING DIAGRAM - 1/8 HP 200 - 250VAC (INTERNAL THERMAL PROTECTION)

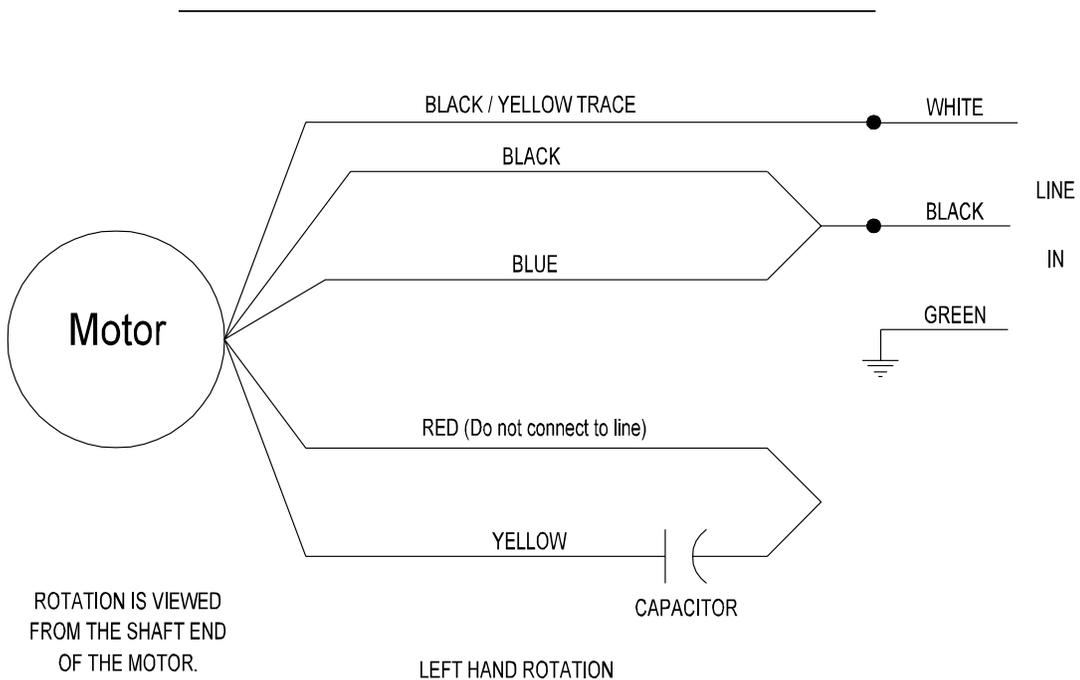
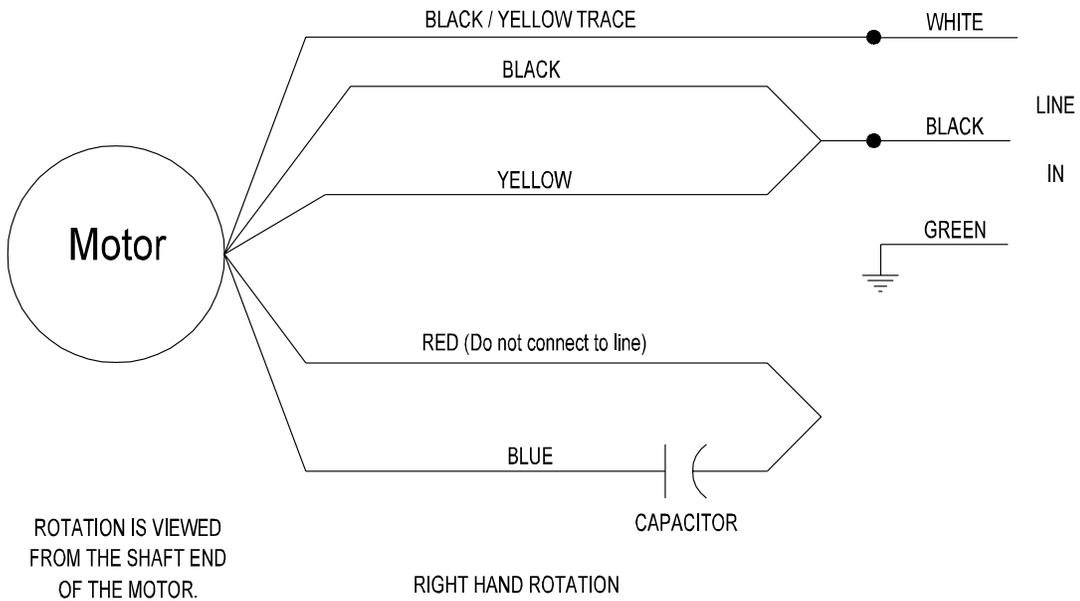


Figure 6.2

SECTION VI Wiring Diagram

WIRING DIAGRAM - 1/8 HP 230VAC - INTERNATIONAL (INTERNAL THERMAL PROTECTION)

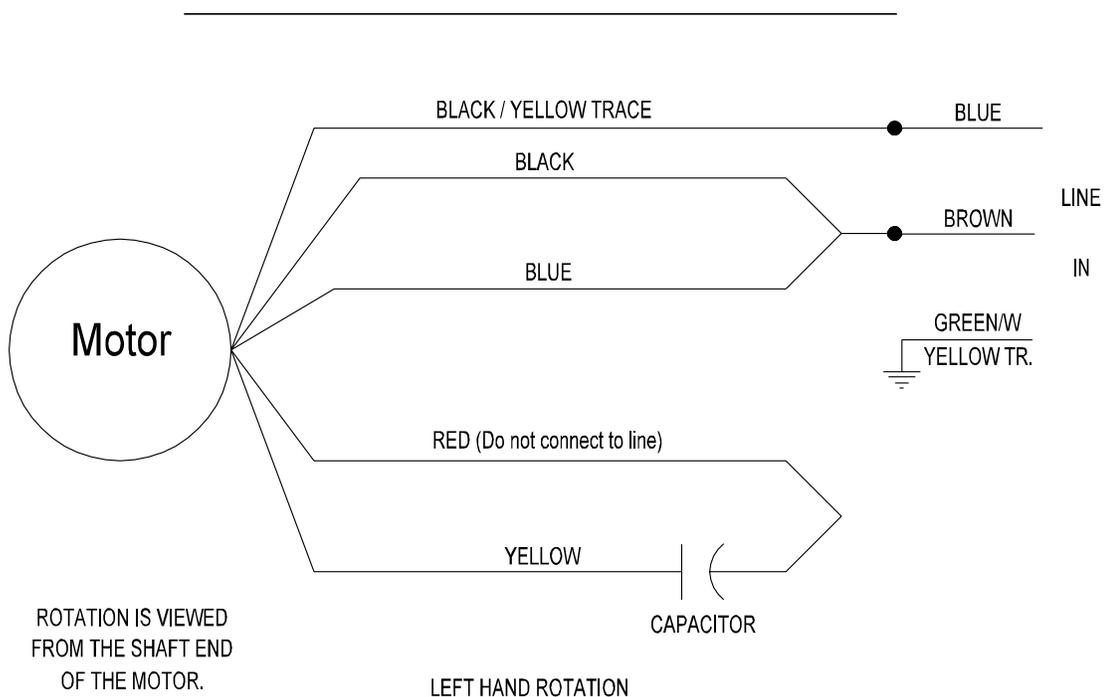
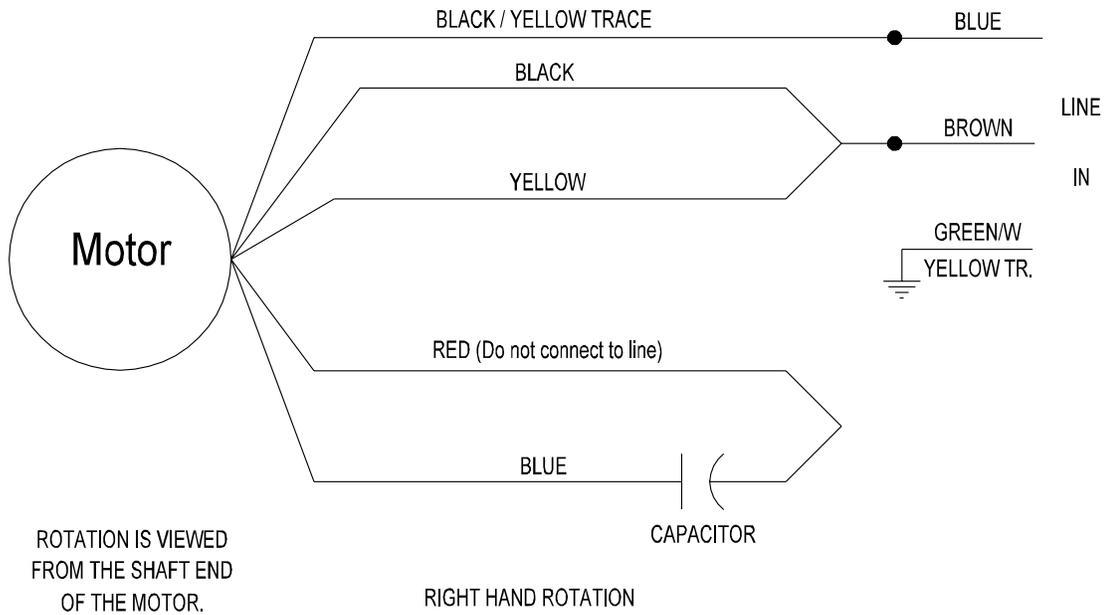


Figure 6.2



Kwik Lok[®] CORPORATION

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SUGGESTED SPARE PARTS INVENTORY FOR THE TYPE 1082J8 BAG TENSIONER

Part No.	Description	Qty.	
08-002418	Gear	1	All Machines
08-002419	Gear	1	All Machines
<u>08-002459</u>	Sprocket - Chain Drive	2	All Machines
<u>P02-00113</u>	Bearing	4	Model M, H
<u>08-002460</u>	Chain - Brush Drive	2	Model M, H
08-002434	Brush - Short Soft Cone	1	Model M
08-002438	Brush - Long Stiff Cone	1	Model H
08-002433	Brush - End	1	All Machines
08-004884	Shaft - Brush Short	1	Model M
08-004889	Shaft - Brush Long	1	Model H
08-004883	Shaft - Gear	1	All Machines
P21-00072-A*	Motor - Bodine 1/8 Hp		
	115V-50/60 Hz	1	Type 1082J8
P21-00207*	Motor - Bodine 1/8 Hp		
	200V-50/60 Hz	1	Type 1082J8

* Customer to consider only the motor applicable to their voltage requirements.

**UNDERLINED PART NUMBERS INDICATE
MINIMUM SUGGESTED SPARE PARTS INVENTORY.**

NOTE: Specify on the order the TYPE, MODEL, and SERIAL NUMBER on the machine for which the parts are being ordered. This information will be found on the machine nameplate.

CONTACT FACTORY FOR CURRENT PRICES

Kwik Lok WARRANTY POLICY

Seller warrants that the equipment shall be free of defective workmanship or materials. Its obligation under this warranty to consist exclusively of repairing or replacing, free of charge f. o. b. its factory, any parts received at its factory within two years from the date of shipment of the respective equipment or parts alleged to be defective and determined by Seller upon inspection to be defective. No other warranty, expressed or implied, as to description, quality, merchantability, fitness for a particular purpose, or any other matter is given by Seller in connection with this sale. Under no circumstances shall Seller be liable for loss or profits or other consequential damages, or for any other direct or indirect costs, expenses, equipment or any part thereof. Neither shall the Seller be liable for any defects attributable to the use of any parts, supplies or service not manufactured, supplied or provided by the Seller.

Electric motors and controls carry a one year warranty in which motors or controls will be repaired and returned to the Buyer at no charge if the manufacturer determines the equipment to be defective in workmanship and / or materials.

