



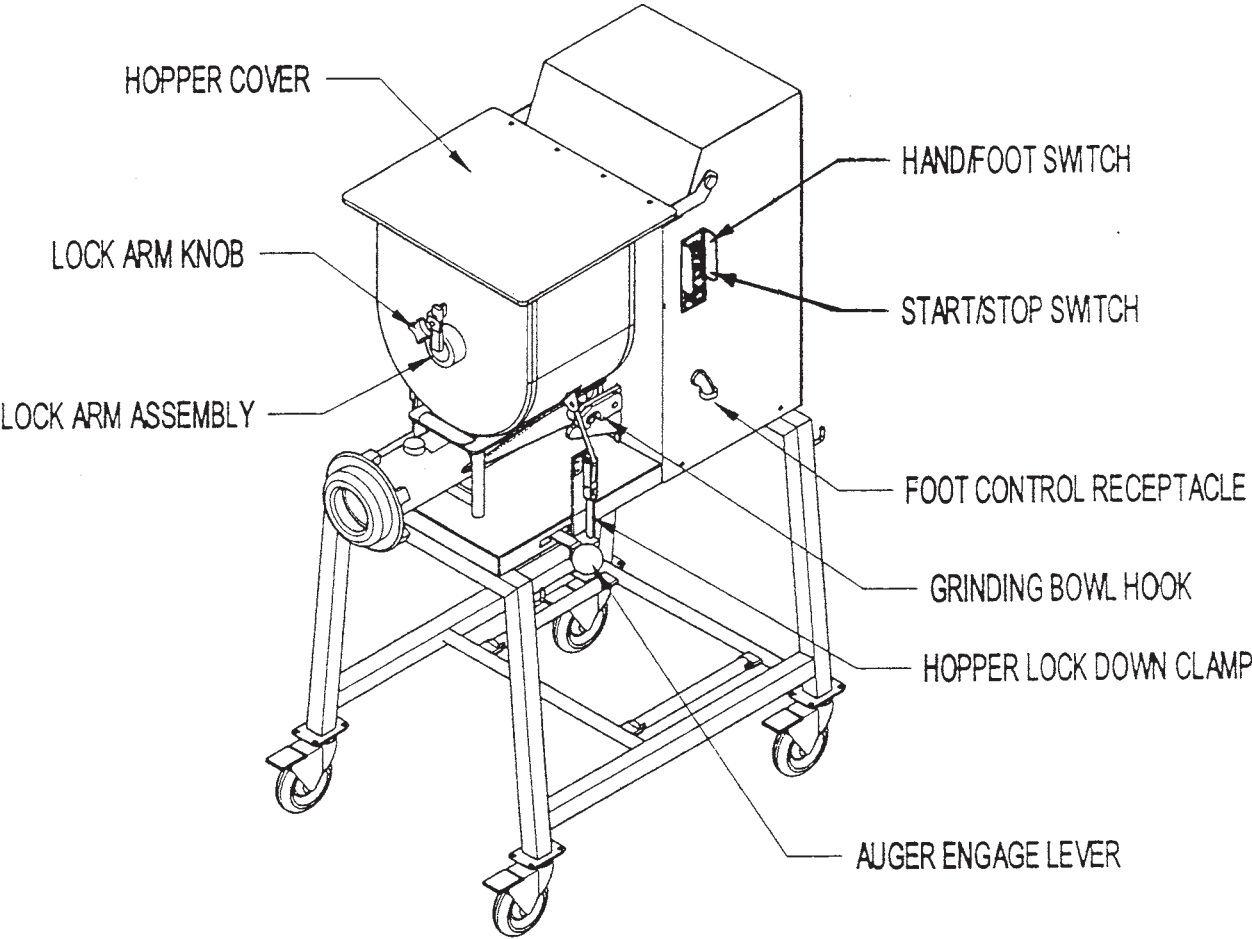
**MODEL MINI-32
AUTOMATIC FEED MIXER GRINDER
OPERATING AND SERVICE MANUAL**



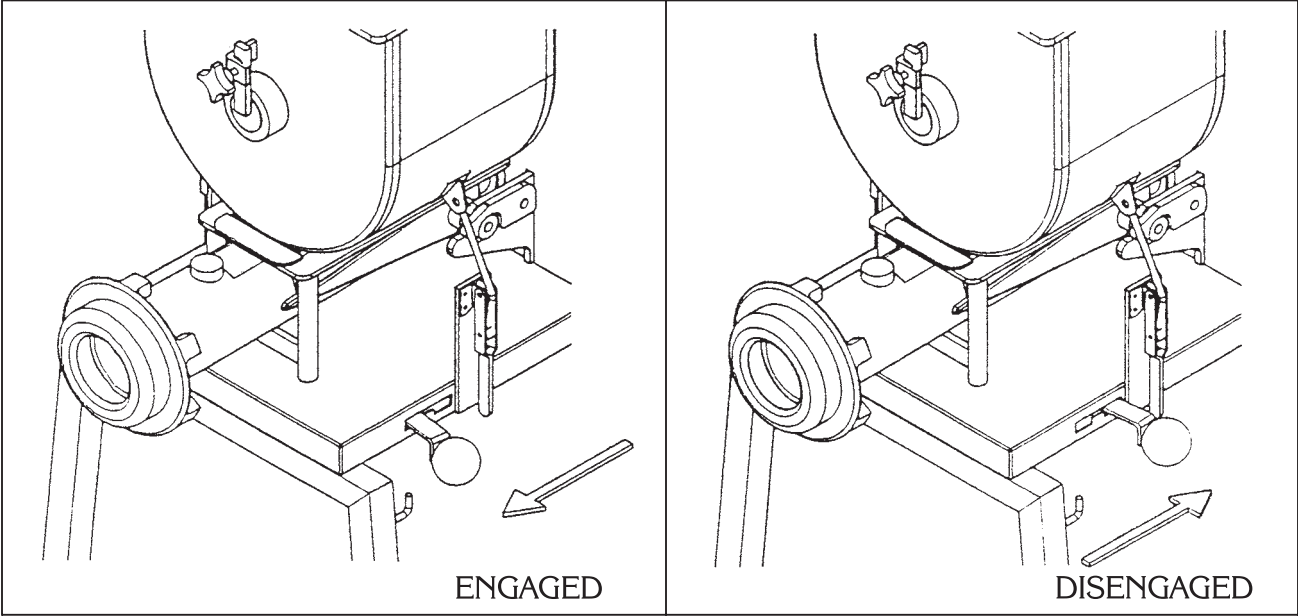
☆ **IMPORTANT NOTICE** ☆

This Manual contains important safety instructions which must be strictly followed when using this equipment.

PARTS LOCATION



AUGER DRIVE ENGAGE LEVER



MOTOR DRIVE COVER AND HOPPER COVER

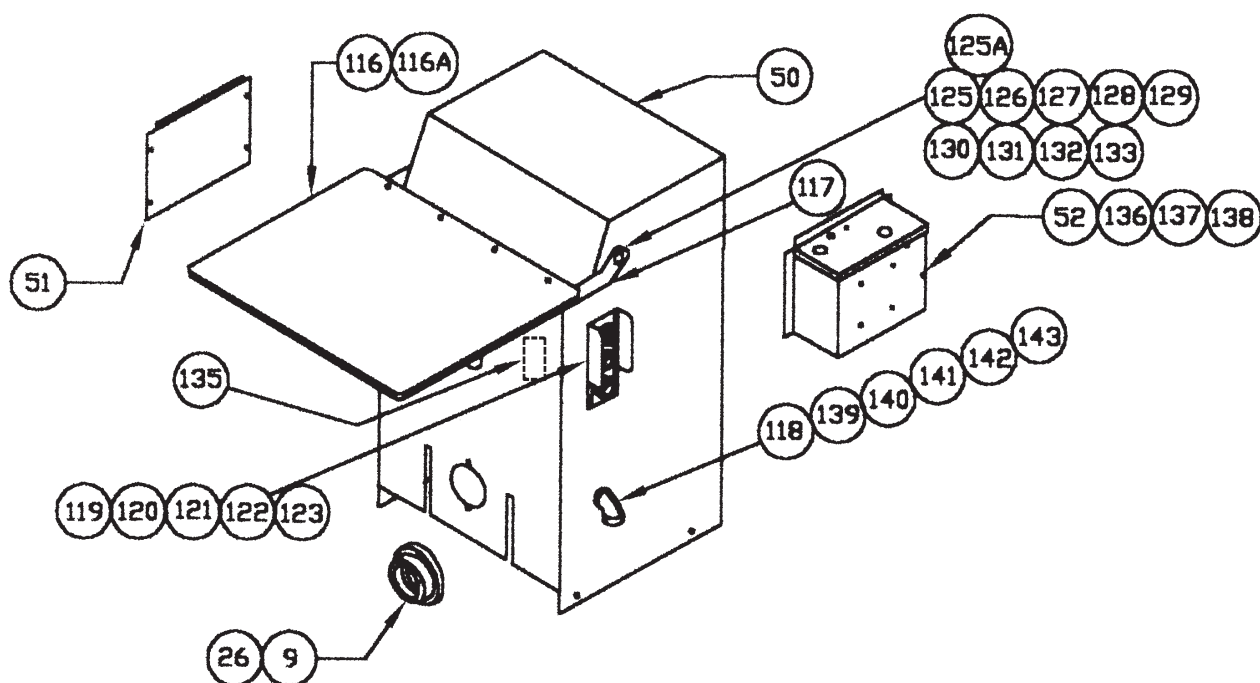


Fig.	Item No.	Description	Fig.	Item No.	Description
9	50024	Auger drive shaft seal	128	HHS086S	Hex head screw $\frac{3}{8}$ -16 $\times$ 2, SS
26	63021	Nylon bearing cover	129	EMG92032	Flat washer $.397 \times 1\frac{1}{4} \times .120$ TH, SS
50	63085	Hood, motor & drive unit	130	EMG62184	Outside hinge flat washer, SS
51	63093	Electrical box access panel	131	EMG62182	Sleeve bushing step washer, SS
52	63097	Electrical box	132	EMG62181	Inside hinge flat washer – plastic
116	63095	Hopper cover – NSS	133	HNNL25S	Hex Nylock nut $\frac{3}{8}$ -16, SS
116A	63035	Hopper cover & arm assembly	135	56294CE	Safety switch bracket – NSS
117	63024	Hopper cover arm bracket – NSS	136	PC162	Central control unit
118	56301G	Watertight 90° cord connector	137	PC144	Contactor – SP17.10-G0/24V coil
119	56105	Switch – selector – hand/foot	138	PC140	Transformer –
120	H482-1	Switch – start pushbutton			208/240/277/380/480V
121	H482-2	Switch – stop pushbutton			PRI/24V SECONDARY
122	56125	Legend plate	139	56301D	Airswitch w/nut
123	56337	Switch guard	140	56301E	Airswitch bracket
125	PC166	Magnetic safety switch	141	56300H	Locknut
125A	PC044	Mounting bracket – safety switch	142	56300J	Coupling body
126	PC084	Magnet – south pole	143	56302I	Plastic tubing
127	63082	Safety lid lock arm			

MOTOR – DRIVE UNIT AND COMPONENTS

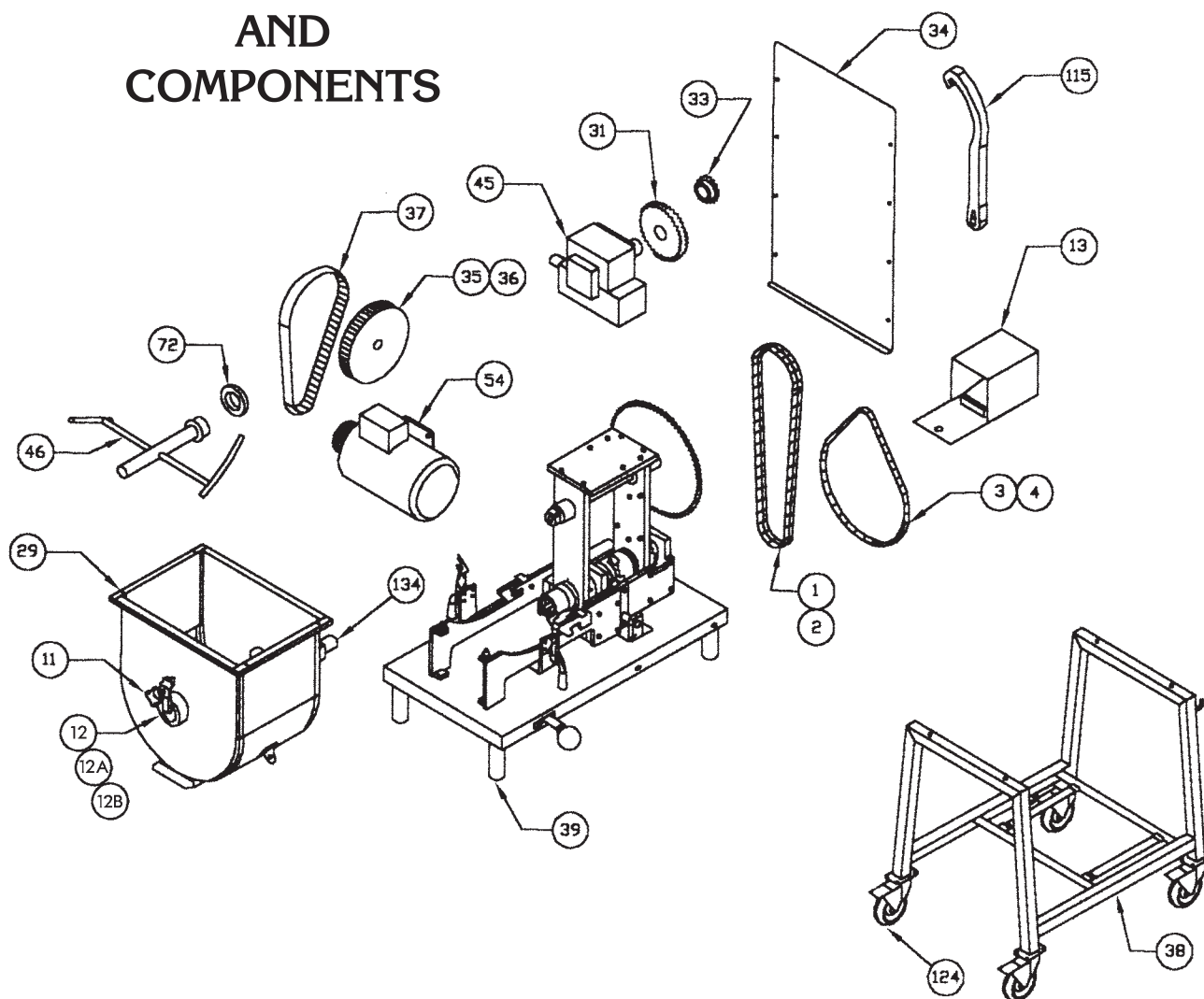


Fig.	Item No.	Description	Fig.	Item No.	Description
1	15026-02	Double roller chain 49"	35	63047	Timing pulley 48H100SK
2	15029	Double chain master link	36	63048-01	Taper lock SK 1"
3	20050-10	#40 Roller chain	37	63049	Timing belt
4	20050-01	#40 Chain master link #40-C/L	38	63055	Cart assembly w/casters
11	53568	Paddle locking thumb screw	39	63057	table top leg (optional)
12	53852	Lock arm assembly w/bushings	45	63070	Gear reducer #924DN RT5:1
12A	53517-1	Thrust bearing	46	63073	Mixer paddle assembly
12B	53594	Radial bushing	54	63099	Motor, 3HP/208/230/460V/3PH
13	56302	Foot switch assembly w/6' tubing	72	63136	Paddle spacer
29	63036	Hopper assembly	115	H340	Ring wrench
31	63041	Sprocket D40B35	124	PC175	Casters w/swivel lock
33	63043	Sprocket 40B15F-01	134	PC085	Magnetic housing – hopper
34	63045	Back access panel			

TRANSMISSION MOUNTING ASSEMBLY

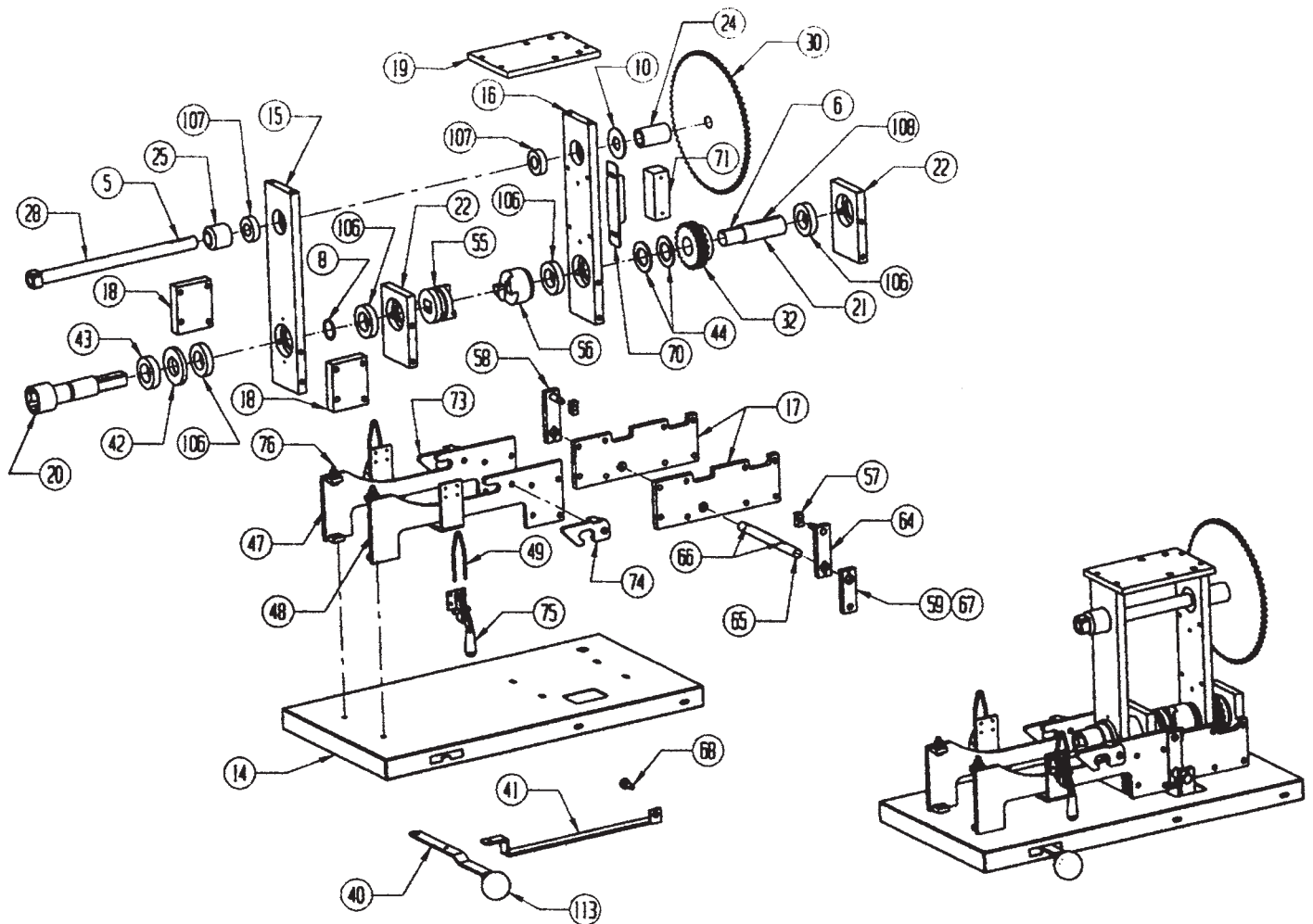


Fig.	Item No.	Description
5	20665	Key $\frac{1}{4} \times \frac{1}{4} \times 1\frac{1}{8}$ SS
6	20665-01	Key $\frac{1}{4} \times \frac{1}{4} \times 1\frac{3}{4}$ SS
8	30315	O-Ring 1.25 I.D.
10	50029	Washer – brass
14	63005	Base plate
15	63007	Shaft bearing retainer – front
16	63008	Shaft bearing retainer – rear
17	63009	Frame side plate
18	63010	Bowl lock side spacer
19	63011	Gear box top plate
20	63014	Auger drive shaft
21	63015	Main drive shaft
22	63016	Bearing retainer – main shaft
24	63019	Spacer – mixer drive shaft
25	63020	Spacer – plastic – mixer drive shaft
28	63033	Mixer driver shaft
30	63040	72T sprocket #40B72-01
32	63042	22T sprocket #D40B22
40	63062	Linkage pivot arm
41	63063	Linkage arm
42	63065	Spacer
43	63066	Thrust bearing
44	63067	Spacer

Fig.	Item No.	Description
47	63081-01	Bowl support bracket – LH
48	63081-02	Bowl support bracket – RH
49	63084	Hopper latch rod
55	56064	Drive clutch – square ID
56	56065	Driving clutch – motor output
57	56211-1	Engagement lever bushing
58	56214	Clutch engagement lever – LH
59	63104	Link engage handle
64	56215	Clutch engagement lever – RH
65	63119	Clutch engagement shaft
66	56127-1	Woodruff key
67	MC-21R2	Lock handle groove pin
68	SSB50P	Shoulder bolt $5\frac{3}{8}$ -16 $\times$ $\frac{1}{2}$
70	63126	Chain tensioner
71	63127	Tensioner block
73	63139-01	Bowl lock hook – LH
74	63139-02	Bowl lock hook – RH
75	63140	Hopper latch
76	63141	Bowl adjusting pin
106	83017	Bearing
107	83032	Bearing
108	83080-07	Key $\frac{3}{8} \times \frac{3}{8} \times 1\frac{1}{2}$ LG
113	90509	Pivot arm knob

BOWL & WORM ASSEMBLY

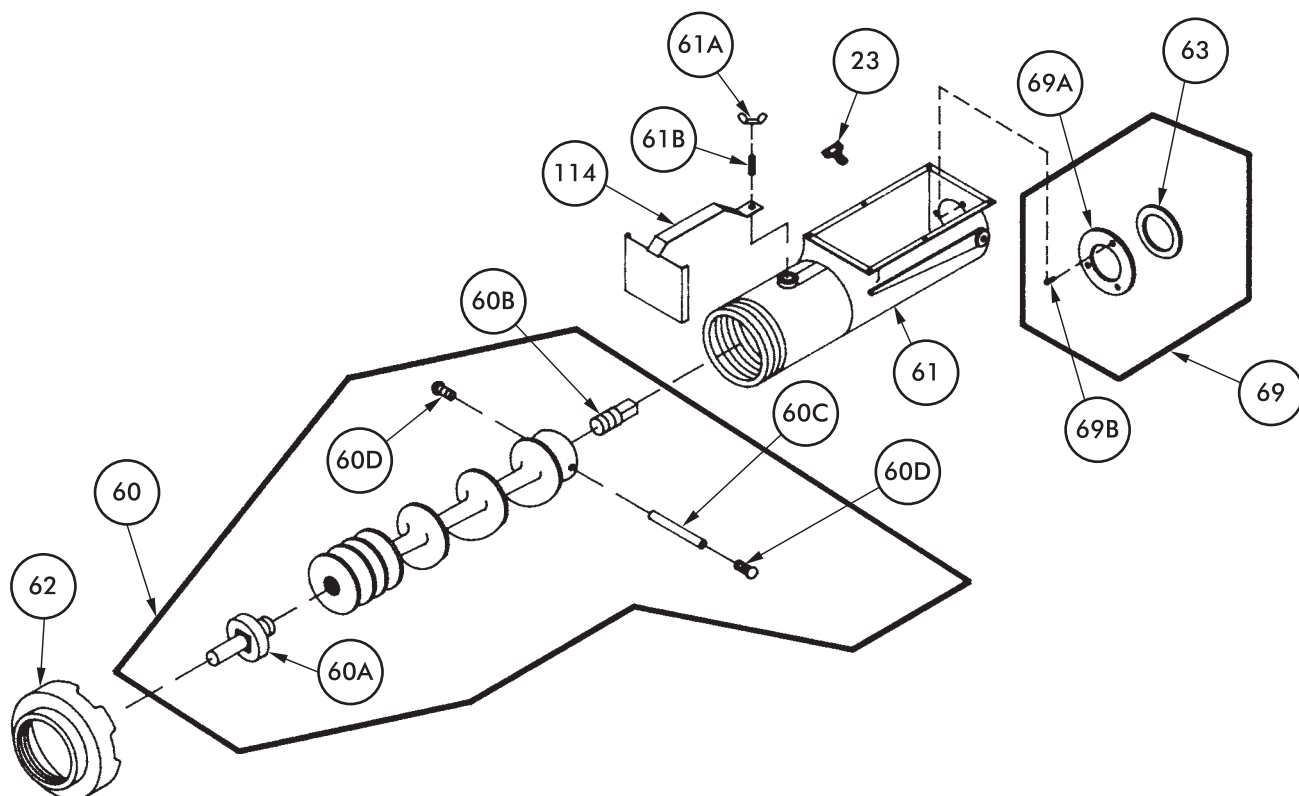


Fig.	Item No.	Description
	23	63017 Bowl mounting stud, 2 required
	60	54278-CTN Auger assembly
	60A	HK48 Knife drive pin
	60B	54278B Square drive insert
	60C	54278C Auger shear pin
	60D	54278D Shear pin screws
	61	56049 Bowl & plate pins
	61A	WN20S Wing nut $\frac{3}{8}$ -16
	61B	SSS45S Stud $\frac{3}{8}$ -16 $\times$ 1
	62	HR42/48 Ring
	63	57159 Auger drive shaft seal
	69	57159K Auger drive shaft seal kit
	69A	57160 Seal retainer
	69B	FHS26S Flat head screw 10-32 $\times$ $\frac{3}{4}$ SS
	114	52392 Product splash shield

FASTENERS & LOCATIONS

Base Plate (63005) to Cart Assembly (63055)

4 ea.	HHS088S	$\frac{3}{8}$ -16 $\times$ 2 $\frac{1}{4}$
4 ea.	LW25S	$\frac{3}{8}$ heavy
4 ea.	HN25S	$\frac{3}{8}$ -16 heavy (with loctite)

Frame Side Plates (2 ea. 63009) to Base Plate (63005)

4 ea.	HHS058S	$\frac{5}{16}$ -18 $\times$ $\frac{7}{8}$
4 ea.	LW15S	$\frac{5}{16}$ regular
8 ea.	FW10S	$\frac{5}{16}$

Frame Side Plates (2 ea. 63009) to Bearing Retainer-main shaft-rear (1 ea. 63016)

4 ea.	HHS075S	$\frac{3}{8}$ -16 $\times$ 1 $\frac{1}{4}$
4 ea.	LW25S	$\frac{3}{8}$ heavy

Bowl Support Brackets (LH 63081-01 & RH 63081-02) to Bowl Lock Side Spacer (2 ea. 63010) to Frame Side Plates (2 ea. 63009) to Bearing retainer-main shaft-front (1 ea. 63016)

4 ea.	HHS090S	$\frac{3}{8}$ -16 $\times$ 2 $\frac{1}{2}$
4 ea.	LW25S	$\frac{3}{8}$ heavy

Bowl Support Brackets (LH 63081-01 & RH 63081-02) to Bowl Lock Side Spacer (2 ea. 63010) to Frame Side Plates (2 ea. 63009) to Shaft Bearing Retainer-front (63007)

4 ea.	HHS090S	$\frac{3}{8}$ -16 $\times$ 2 $\frac{1}{2}$
4 ea.	LW25S	$\frac{3}{8}$ heavy

Frame Side Plates (2 ea. 63009) to Shaft Bearing Retainer-rear (63008)

4 ea.	HHS075S	$\frac{3}{8}$ -16 $\times$ 1 $\frac{1}{4}$
4 ea.	LW25S	$\frac{3}{8}$ heavy

Chain Tensioner (63126) to Shaft Bearing Retainer-rear (63008)

2 ea.	HHS055S	$\frac{5}{16}$ -18 $\times$ $\frac{3}{4}$
2 ea.	LW15S	$\frac{5}{16}$ regular
2 ea.	FW10S	$\frac{5}{16}$

Motor (63099) to Shaft Bearing Retainer-rear (63008)

4 ea.	HHS060S	$\frac{5}{16}$ -18 $\times$ 1
4 ea.	LW15S	$\frac{5}{16}$ regular
8 ea.	FW10S	$\frac{5}{16}$

Bowl Mount Stud (63017) to Bowl (56049)

2 ea.	HHS129S	$\frac{1}{2}$ -13 $\times$ 2 (with loctite)
-------	---------	---

Bowl Support Brackets (LH 63081-01 & RH 63081-02) to Base Plate (63005)

2 ea.	HHS070S	$\frac{3}{8}$ -16 $\times$ 1
2 ea.	LW25S	$\frac{3}{8}$ heavy
2 ea.	HN25S	$\frac{3}{8}$ -16 heavy

Gear Box Top Plate (63011) to Shaft Bearing Retainers (Front 63007 & Rear 63008)

4 ea.	HHS075S	$\frac{3}{8}$ -16 $\times$ 1 $\frac{1}{4}$
4 ea.	LW25S	$\frac{3}{8}$ heavy

Gear Reducer (63070) to Gear Box Top Plate (63011)

4 ea.	HHS110S	$\frac{1}{2}$ -13 $\times$ 1
4 ea.	LW30S	$\frac{1}{2}$

Bowl Lock Hook-LH (63139-01) to Bowl Support Bracket-LH (63081-01)

1 ea.	HHS126S	$\frac{1}{2}$ -13 $\times$ 1 $\frac{1}{4}$
1 ea.	LW30S	$\frac{1}{2}$

Bowl Lock Hook-RH (63139-02) to Bowl Support Bracket-RH (63081-02)

1 ea.	HHS126S	$\frac{1}{2}$ -13 $\times$ 1 $\frac{1}{4}$
1 ea.	LW30S	$\frac{1}{2}$

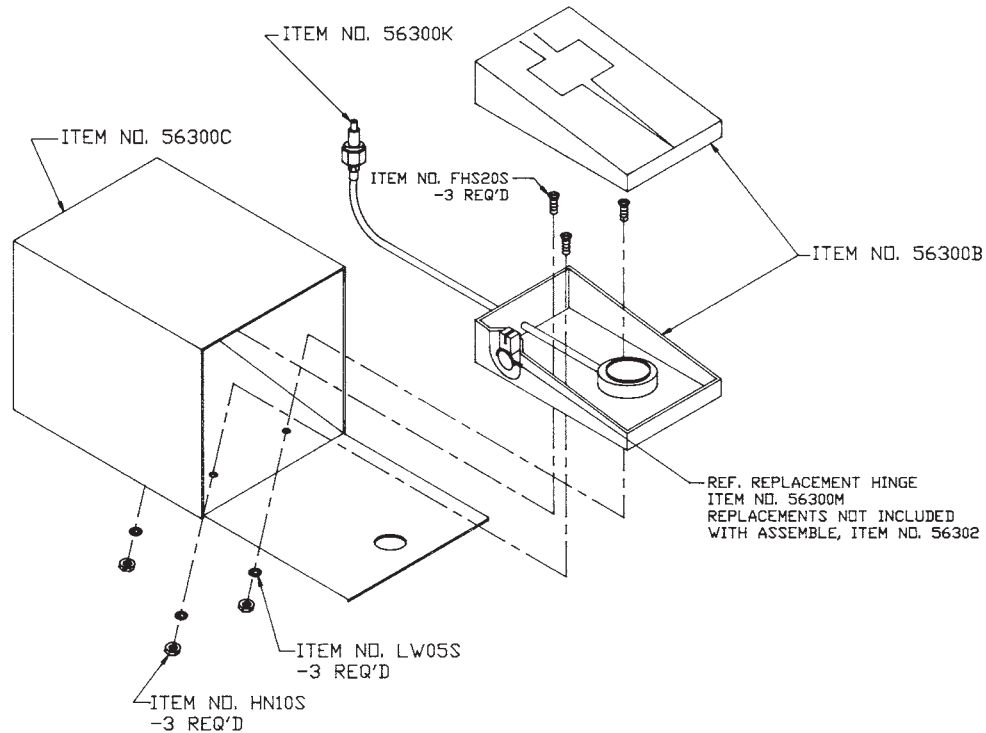
Hopper Latch (2 ea. 63140) to Bowl Support Bracket (LH 63081-01 & RH 63081-02)

8 ea.	RHS09S	10-32 $\times$ $\frac{3}{8}$ (with loctite)
-------	--------	---

NOTE: INITIAL POWER APPLIED
OR START-UP, THE
HOPPER SAFETY LID
MUST BE OPENED
AND CLOSED
AGAIN BEFORE PUSHING
THE START BUTTON.



OPTIONAL PNEUMATIC FOOTSWITCH



PNEUMATIC FOOT SWITCH ASSEMBLY

ITEM NO.	PART NO.	PART NAME/DESCRIPTION	QTY
1	56300D	AIR SWITCH W/NUT	1
2	56301E	AIR SWITCH BRACKET	1
3	RHS05S	ROUND HEAD SCREW, #8-32 x 1/4 LG	2
4	HNS05S	HEX NUT, #8-32	2
5	56301G	WATER TIGHT 90° CORD CONNECTOR	1
6	56300H	CORD CONNECTOR LOCKNUT	1
7	56300J	COUPLING BODY, FEMALE	1
8	56300K	COUPLING INSERT, MALE	1
9	56302	FOOT SWITCH ASSY W/6' TUBE & GUARD	1
10	LW03S	LOCK WASHER, #8	2
11	56300B	FOOT SWITCH ONLY	1
12	56302I	PLASTIC TUBING, 1/8 I.D. x 1/4 O.D.	12'
13	56300N	PNEU. FOOT SWITCH, W/MALE COUPLING	OPT.
14	56300C	GUARD, ONLY	1

