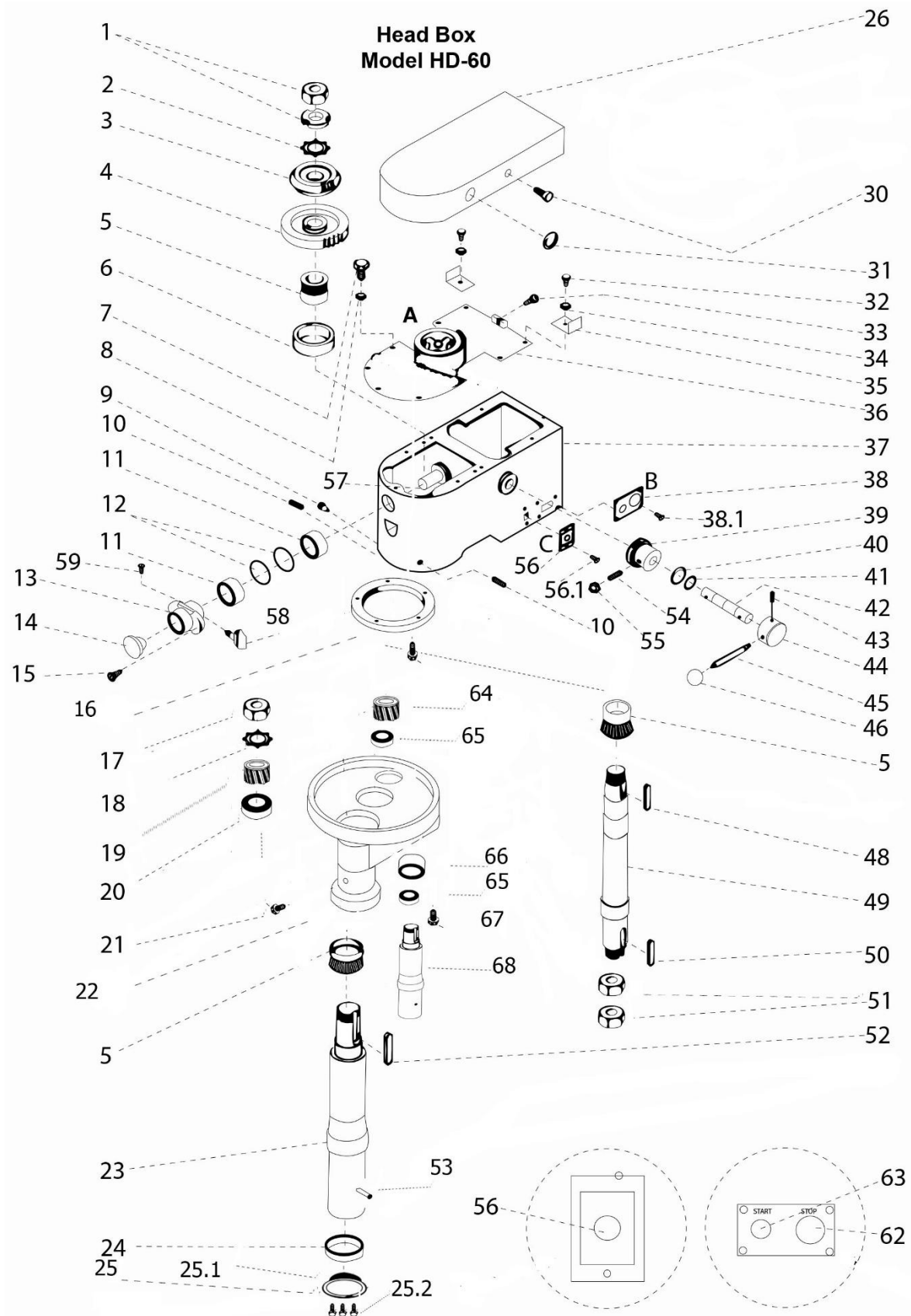




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**Precision
Mixers**
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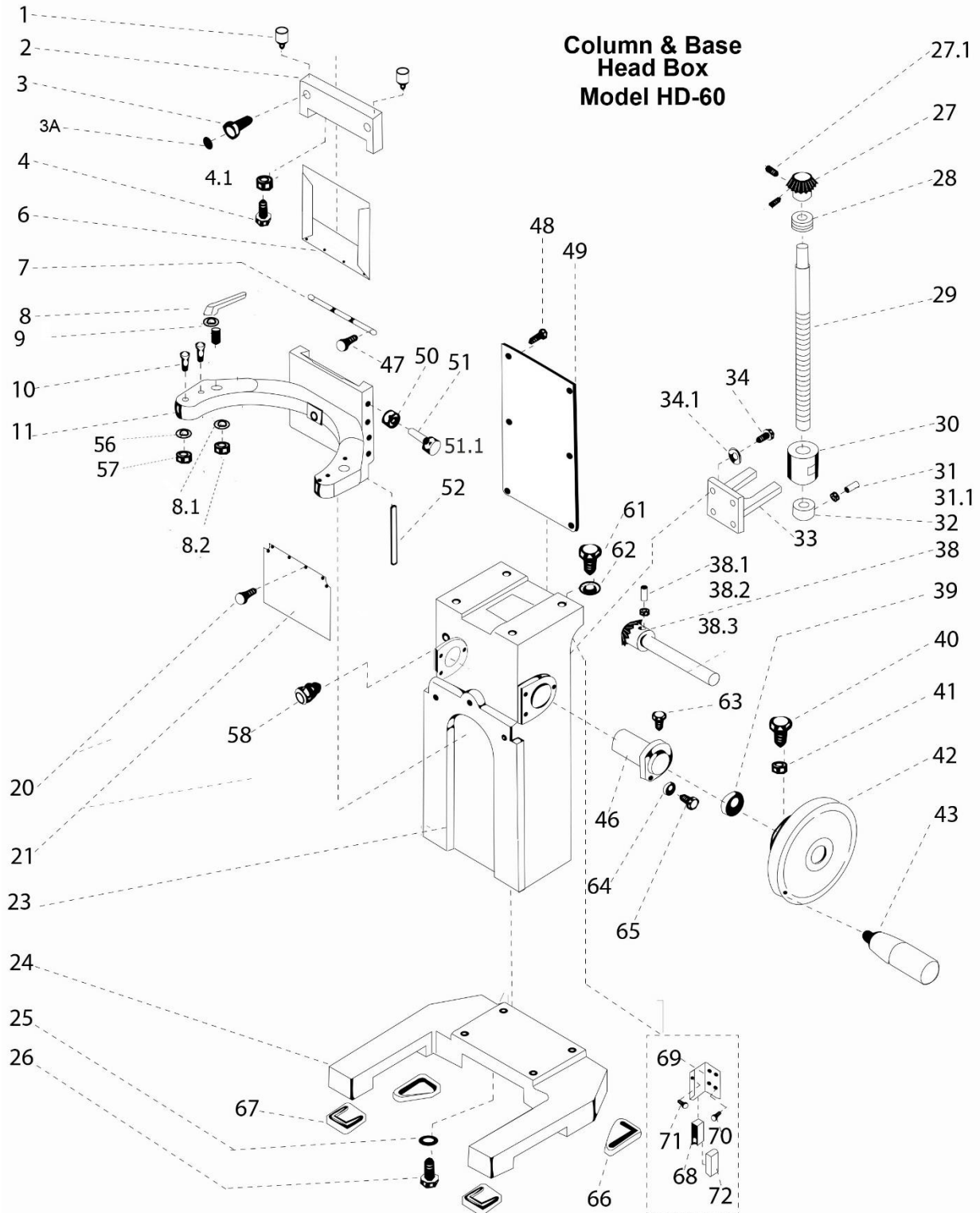
Parts Breakdown Instructions & Warranty HD-60

**Precision North America Food Machinery LLC.
60 Commerce Ave.
Albany, New York 12206
Phone: 518-462-3387 Fax: 518-462-3389
1-877-R-MIXERS (1-877-764-9377)
www.precisionmixers.com**



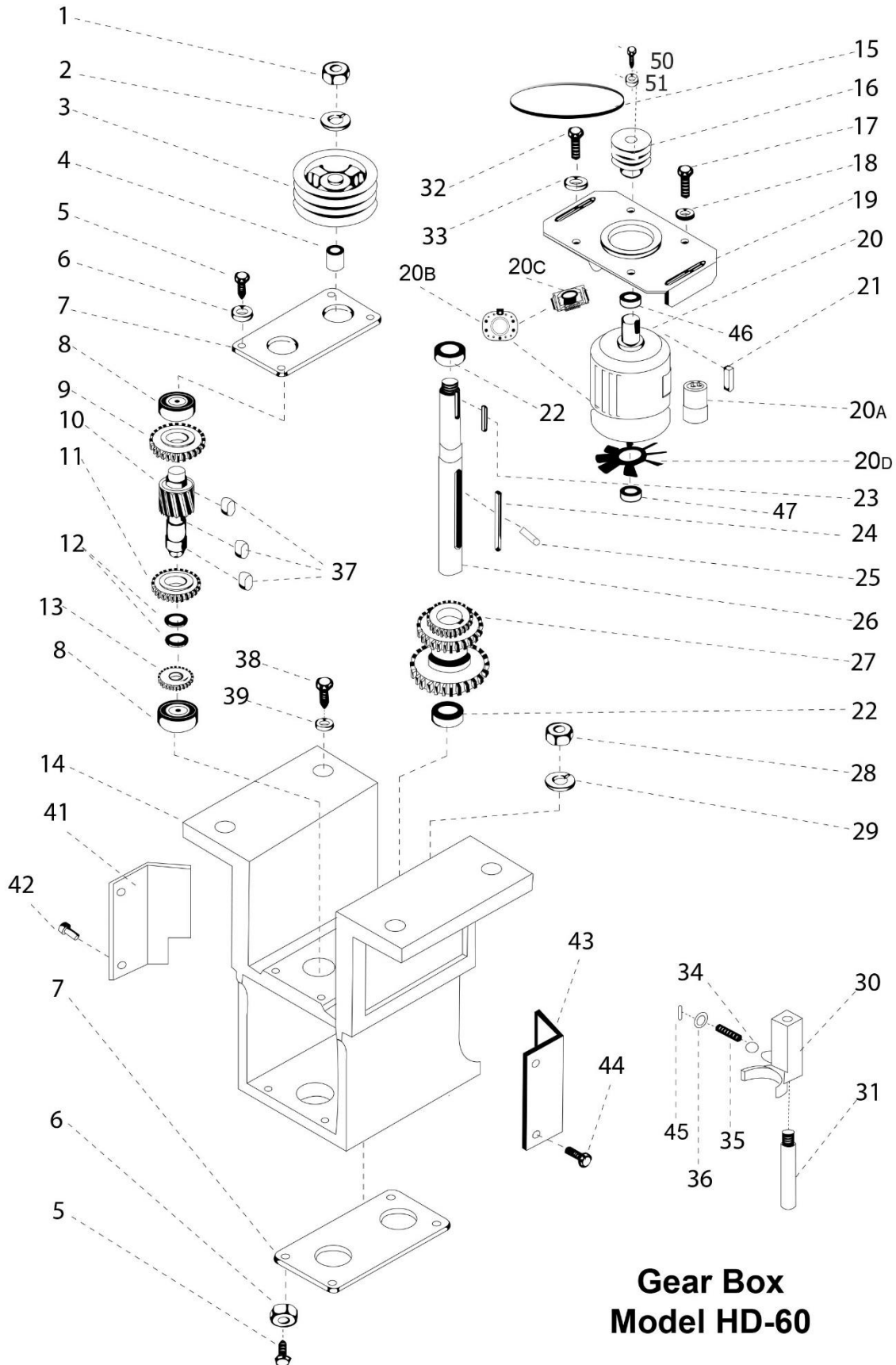
Head Box, Precision Mixer, Model HD-60							
Item	Part Number		Description	Item	Part Number		Description
1	HB-HV68-001	30mm	Nut spanner reverse thread	33	HB-HV68-033	3/8-16x 2 1/2	Belt Tension Bolt
2	HB-HV68-002	30mm	Washer	34	HB-HV68-034	(1/4)	Washer
3	HB-HV68-003		Bevel Gear	35	HB-HV68-035		Mounting Bracket
4	HB-HV68-004		Main Gear	36	HB-HV68-036		Transmission Cover
5	HB-HV68-005	32208	Bearing	37	HB-HV68-037		Head Box Casting
6	HB-HV68-006	40x60x10	Oil Seal	38	HB-HV68-038		Plate
7	HB-HV68-007	1/4-20x 1/2	Bolt transmission cover	38-1	HB-HV68-038-1	10-24x 3/8	Screw
8	HB-HV68-008		Washer	39	HB-HV68-039		Shifter Gear
9	HB-HV68-009		Grease Fitting	40	HB-HV68-040		"O" Ring
10	HB-HV68-010		Set Screw	41	HB-HV68-041		"E" Clip
11	HB-HV68-011	6007	Bearing	42	HB-HV68-042		Shift-Shaft
12	HB-HV68-012		Rings	43	HB-HV68043	3/8-16 x 1/2	Set Screw
13	HB-HV68-013		Hub Attachment Cast	44	HB-HV68-044		Shift Speed Head
14	HB-HV68-014		Hub Attachment Cover	45	HB-HV68-045		Shift Speed Handle
15	HB-HV68-015	1/4-20 x 1	Alen head Screw	46	HB-HV68-046		Shift Knob
16	HB-HV68-016		Planetary Ring Gear	47	HB-HV68-047	5/16-18x 2	Screw Allen Head
17	HB-HV68-017	M24 x 2.0	Spanner Nut planetary	48	HB-HV68-048	8mm	Key
18	HB-HV68-018		Spanner Washer	49	HB-HV68-049		Main Shaft
19	HB-HV68-019		Planetary Gear, Inner	50	HB-HV68-050	8mm	Key
20	HB-HV68-020	6206	Bearing	51	HB-HV68051	Special	Spanner Nut
21.1	HB-HV68-021		Bolt	52	HB-HV68-052	8mm	Key
21	HB-HV68-21.1		Grease fitting	53	HB-HV68-053		Pin
22	HB-HV68-022		Planetary (Cast)	54	HB-HV68054	5/16-18x 5/8	Set Screw
23	HB-HV68-023		Eccentric/Planetary Shaft	55	HB-HV68-055	(5/16)	Lock Nut
24	HB-HV68-024	45x60x9	Oil Seal	56	HB-HV68-056	ANLY AH4CN-R	Timer
25	HB-HV68-025		Seal Cup	56-1	HB-HV68-056-1	10-24x 1/2	Screw, Timer
25.1	HB-HV68-25.1		O Ring	57	HB-HV68-057		Hub Gear
25.2	HB-HV68-25.2	10-24x5/8	Screw for seal cup (3)	58	HB-HV68-058		Screw, Thumb
26	HB-HV68-026		Head Box Cover	59	HB-HV68-059		Oiler
30	HB-HV68-030	1/4-20x 1/2	Bolt (top cover)	62	HB-HV68-062		Stop Switch
31	HB-HV68-063		Switch for CSA	63	HB-HV68-063		Start Switch
32	HB-HV68-032	5/16-18x3/4	Bolt (top cover bracket)	65	HB-HV68-065		Idler Pinion Gear
				66	HB-HV68-066		Bearing Spacer
				67	HB-HV68-067		Bolt
				68	HB-HV68-068		Scraper shaft

Column & Base Head Box Model HD-60



Column & Base, Precision Mixer, Model HD-60

Item	Part Number		Description	Item	Part Number		Description
1	CB-HV68-001		Oil Cup	38	CB-HV68-027		Gear
2	CB-HV68-002		Dust Proof Cover	38.1	CB-HV68-038-1	Special	Screw
3	CB-HV68-003	5/16-18x 2	Bolt Dust Cover	38.2	CB-HV68-038-2	(5/16-18)	Nut
3A	CB-HV68-003A		Plastic Bolt Cap	38.3	CB-HV68-38.3		Shaft, Lift handle
4	CB-HV68-004	M12-1.75x 44	Stop Bolt Bowl Lift	39	CB-HV68-028	2905	Bearing, Thrust
4.1	CB-HV68-004.1	M12-1.75	Jam Nut Bowl Stop	40	CB-HV68-040	special	Bolt
6	CB-HV68-006		Stainless Steel Plate	41	CB-HV68-041	(3/8-16)	Lock Nut
7	CB-HV68-007		Stainless Steel Pd	42	CB-HV68-042		Crank Wheel
8	CB-HV68-008		Bowl Lock	43	CB-HV68-043		Crank Handle
8.1	CB-HV68-008.1		Washer	46	CB-HV68-046		Lifting Hub
8.2	CB-HV68-008.2		Nut	47	CB-HV68-047	10-24x3/8	Screw
9	CB-HV68-009		Plastic washer	48	CB-HV68-048	10-24x3/8	Screw
9.1	CB-HV68-009.1	(5/8)	Flat Washer	49	CB-HV68-049		Column Cover
9.2	CB-HV68-009.2	5/8-11	Nylok nut	50	CB-HV68-050	(5/16)	Lock Nut
10	CB-HV68-010		Bowl Pin	51	CB-HV68-051	5/16-18 x 1 1/2	Set Screw
11	CB-HV68-011		Bowl Rest	51.1	CB-HV68-051.1	(5/16-18)	Acom nut
20	CB-HV68-020	10-24x3/8	Screw	52	CB-HV68-052		Slide Plate
21	CB-HV68-021		Lift Slide Cover	56	CB-HV68-058	(1/2)	Washer
23	CB-HV68-023		Column	57	CB-HV68-059	(1/2)	Nut
24	CB-HV68-024		Base	58	CB-HV68-060		Strain Relief
25	CB-HV68-025	(5/8)	Lock Washer	63	CB-HV68-063		Oil Cup
26	CB-HV68-026	5/8-11x 1 5/8	Bolt	64	CB-HV68-064	(3/8)	Lock Washer
27	CB-HV68-027		Lift Gear	65	CB-HV68-065	3/8-16x1 1/4	Bolt
27.1	CB-HV68-027-1	5/16-18x 5/8	Set Screw	66	CB-HV68-066		Rubber Feet, Rear Set
28	CB-HV68-028	2905	Bearing, Thrust	67	CB-HV68-067		Rubber Feet, Front Set
29	CB-HV68-029		Lift Screw	68	CB-HV68-068		Micro-Switch
30	CB-HV68-030		Lift Nut	69	CB-HV68-069		Microw-Switch Bracket
31	CB-HV68-031	5/16-18x 5/8	Screw, set	70	CB-HV68-070	1/4-20 x 1/2	Screw
31.1	CB-HV68-031.1	(5/16)	Lock Nut	71	CB-HV68-071	6-32 x 1 1/4	Screw
32	CB-HV68-032		Stop Collar	72	CB-HV68-072		Micro Switch Cover
34	CB-HV68-034	3/8-16x 1 1/4	Bolt	73	CB-HV68-073		Strain Relief Power Cord
34.1	CB-HV68-034-1	(3/8)	Flat Washer	74	CB-HV68-074		L side cast cover

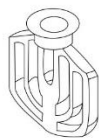


**Gear Box
Model HD-60**

Gear Box HD-60 Precision Mixer							
<u>Item</u>	<u>Part Number</u>		<u>Description</u>				
1	GB-HV68-001	Special	Nut	<u>Item</u>	<u>Part Number</u>		<u>Description</u>
2	GB-HV68-002	Special	Washer	21	GB-HV68-021		Key
3	GB-HV68-003		Drive Pulley	22	GB-HV68-022	6305	Bearing
4	GB-HV68-004		Bushing	23	GB-HV68-023	8mm	Key
5	GB-HV68-005	5/16-18x 1/2	Bolt	24	GB-HV68-024	9mm	Pinned Key
6	GB-HV68-006	(5/16)	Washer	25	GB-HV68-025		Pin
7	GB-HV68-007		Bearing Cover	26	GB-HV68-026		Transmission Shaft
8	GB-HV68-008	6206	Bearing	27	GB-HD60-027		Gear Train
9	GB-HD60-009		Gear (1st Speed)	28	GB-HV68-028	Special	Nut
10	GB-HV68-010		Bevel Gear & Shaft	29	GB-HV68-029		Washer
11	GB-HV68-011		Gear (2nd speed)	30	GB-HV68-030		Shift Gear (Brass)
12	GB-HV68-012		Snap Ring	31	GB-HV68-031		Shift Yoke Slide
13	GB-HV68-013		Gear (3rd Speed)	32	GB-HV68-032	3/8-16x 1 3/4	Bolt
14	GB-HV68-014		Transmission Housing	33	GB-HV68-033	(3/8)	Washer
15	GB-HV68-015	9420	V-Belt	34	GB-HV68-034		Steel Ball
16	GB-HV68-016		Main Drive Pulley	35	GB-HV68-035		Spring
17	GB-HV68-017	3/8-16x 1 3/4	Bolt	36	GB-HV68-036		Washer
18	GB-HV68-018	(3/8)	Washer	37	GB-HV68-037	8mm	Keys
19	GB-HV68-019		Motor Bracket	38	GB-HV68-038	3/8-16x 1 3/4	Bolt
20	GB-HV68-020	1150 RPM	Motor	39	GB-HV68-039	(3/8)	Washer
20A	GB-HV68-020A		Capacitor (Run)	41	GB-HV68-041		Plate
20A.1	GB-HV68-20A.1		Capacitor (Start)	42	GB-HV68-042	1/4-20x 1/2	Screw
20B	GB-HV68-020B		Cent Switch Staionary	43	GB-v-043		Plate
20C	GB-HV68-020C		Cent Switch Rotary	45	GB-HV68-045		Cotter Pin
20D	GB-HV68-20D		Fan Blade	46	54031A		Motor Bearing
21				47	54031B		Motor Beaing
22				48	GB-HV68-048		Screw Motor Pulley
23				49	GB-HV68-049		Washer Motor Pulley



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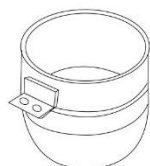
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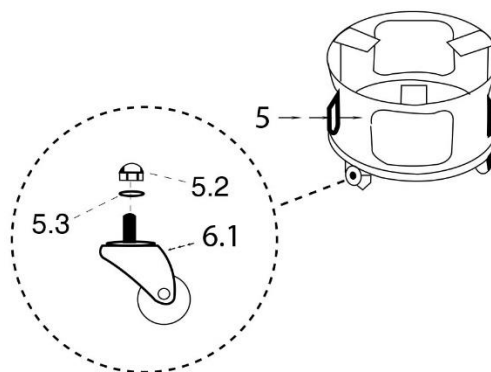
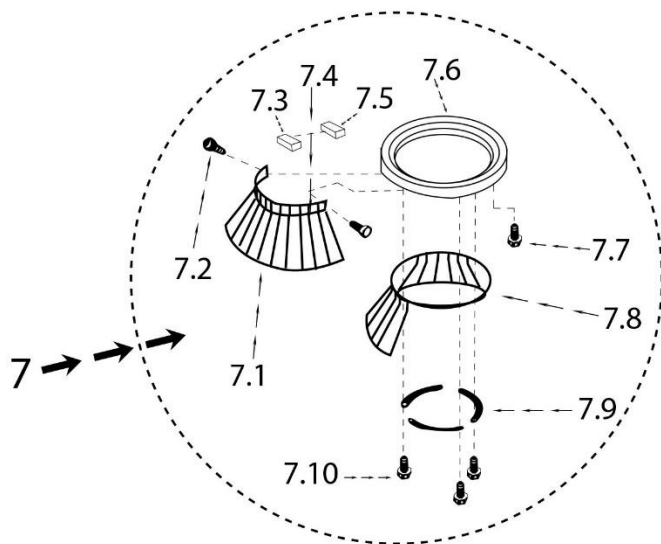
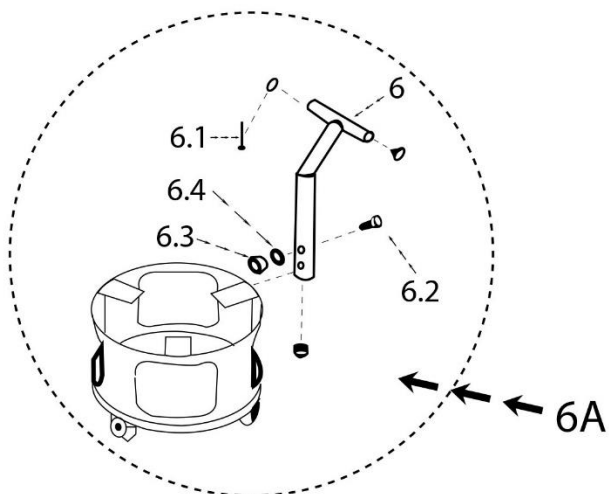
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60.4



Item	Part Number		Description
7	80-7		Complete Safety Guard
7-1	80-7-1		Fixed Guard
7-2	80-7-2	1/4-20 x 1/2	Screw
7-3	80-7-3		Micro-Switch
7-4	80-7-4	6-32 x 1 1/4	Screw
7-5	80-7-5		Switch Cover
7-6	80-7-6		Mounting Ring
7-7	80-7-7	10-24 x 1 1/4	Alen head Screw
7-8	80-7-8		Front Cage
7-9	8/7/2009		Retainer
7-10	80-7-10	10-24 x 1/2	Screw

Dolley Parts Breakdown

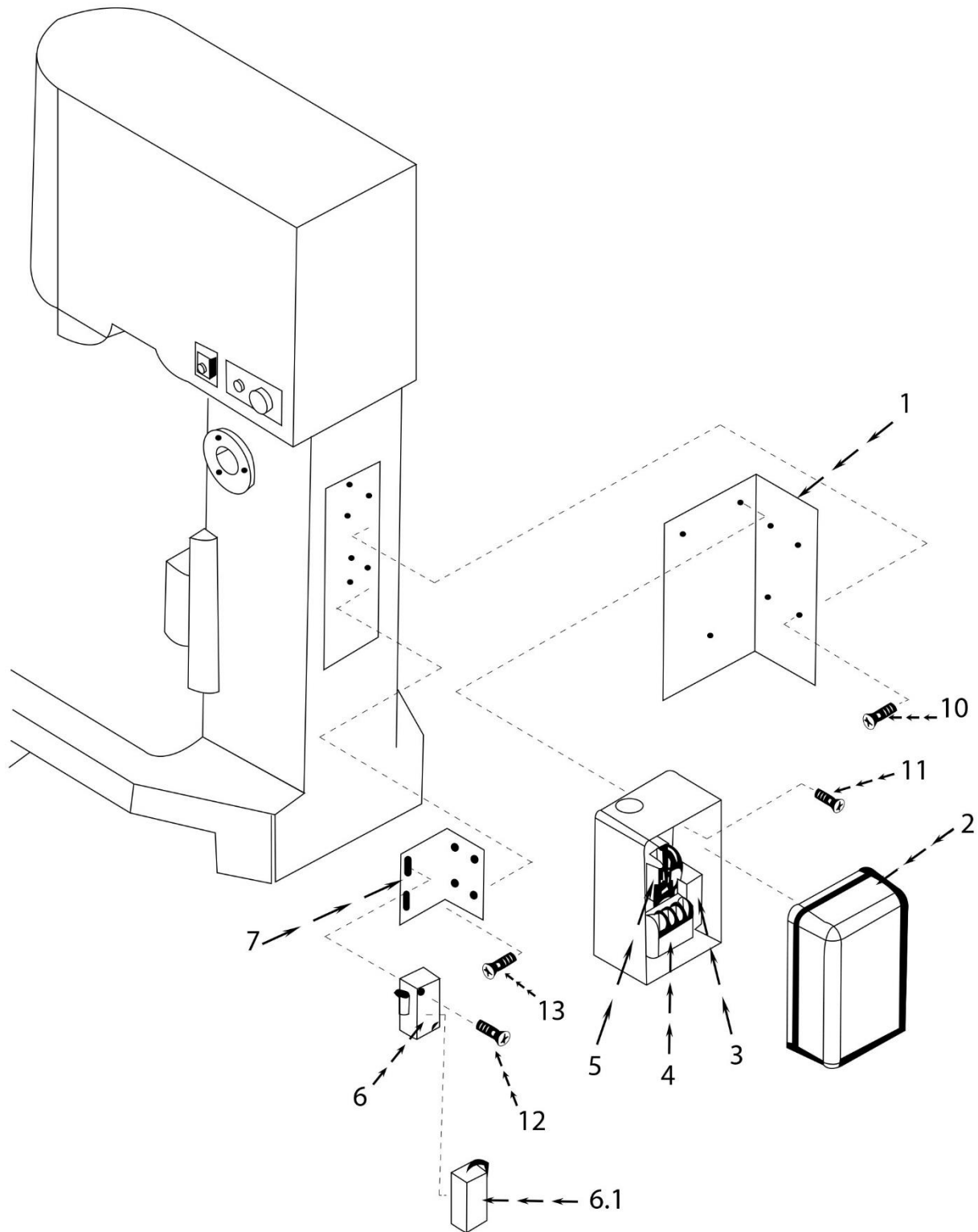
5	80-5		Trolley, without handle
5-1	80-5-1		Wheels
5-2	80-5-2	(1/2-13)	Nut
5-3	80-5-3	(1/2)	FlatWasher
6	80-6		Handle
6-1	80-6-1		Plastic Sleeve
6-2	80-6-2	5/16-18 x 1 3/4	Screw
6-3	80-6-3	(5/16)	Acorn nut
6-4	80-6-4	Special	Washer

Attachments HD-60 Precision Mixer

Item	Part Number		Description
40	8040LKP		Knockdown Plate
40-1	8040LP		Paddle
40-2	8040LW		Whip
40-3	8040LH		Dough Hook
40-4	8040LB		Bowl
60-1	60-1		Paddle
60-2	60-2		Whip
60-3	60-3		Dough Hook
60-4	60-4		Bowl
60-1	80-1		Paddle
60-2	80-2		Whip
60-3	80-3		Dough Hook
60-4	80-4		Bowl

Electrical Box

Models V-80, V-60, HD-60



Electric Controls HD-60 Precision Mixer							
Item	Part Number		Description				
1	EC-HD60-001		Control Box Mounting Plate				
2	EC-HD60-002		Control Box & Cover				
3	EC-HD60-003	20VA	Transformer				
4	EC-V60-004	LC1D09B7	Contactor				
5	EC-V60-005	LR3D21	Manual Reset Overload				
6	EC-HD60-006		Micro-switch				
6-1	EC-HD60-006-1		Micro-switch Cover				
7	EC-HD60-007		Micro-switch Mounting Plate				
10	EC-HD60-010	1/4-20x 1/2	Screw				
11	EC-HD60-011	1/4-20x 1/2	Screw				
12	EC-HD60-012	6-32 x 1 1/4	Screw				
13	EC-HD60-013	1/4-20x 1/2	Screw				
14	EC-V60-014	LC1D09B7	Contactor CSA				
15	EC-V60-015	LR3D21	Manual Reset Overload				
Part numbers not on Diagram							
	Part Number		Description				
	H60-PSO		Planetary swap out				
	H60-PRK		Planetary rebuild kit				
	H60-MSK		Main shaft Kit				
	H60-GBRK		Gear Box rebuild kit				
	H60-GBSO		Gearbox swap out				
			Consists of:				Consists of:
16	V60-PRK	HB-H60-016	Planetary Ring Gear		V80-GBRK		
17		HB-H60-017	Spanner Nut planetary	8	QTY 2	GB-H60-008	Bearing
18		HB-H60-018	Spanner Washer	9		GB-H60-009	Gear (1st Speed)
19		HB-H60-019	Planetary Gear, Inner	10		GB-H60-010	Bevel Gear & Shaft
20		HB-H60-020	Bearing	11		GB-H60-011	Gear (2nd speed)
5		HB-H60-005	Bearing	12		GB-H60-012	Snap Ring
23		HB-H60-023	Eccentric/Planetary Shaft	13		GB-H60-013	Gear (3rd Speed)
24		HB-H60-024	Oil Seal	22	QTY 2	GB-H60-022	Bearing
25.1		HB-H60-25.1	O Ring	23		GB-H60-023	Key
52		HB-H60-52	Key	24		GB-H60-024	Key
			Grease	25		GB-H60-025	Pin
	V60-MSK		Consists of:	26		GB-H60-026	Transmission Shaft
1		HB-H60-001	Nut spanner reverse thread	27		GB-H60-027	Gear Train
2		HB-H60-002	Washer				Grease
5	Qty 2	HB-H60-005	Bearing				
6		HB-H60-006	Oil Seal				
48		HB-H60-048	Key				
49		HB-H60-049	Main Shaft				
50		HB-H60-050	Key				
			Grease				