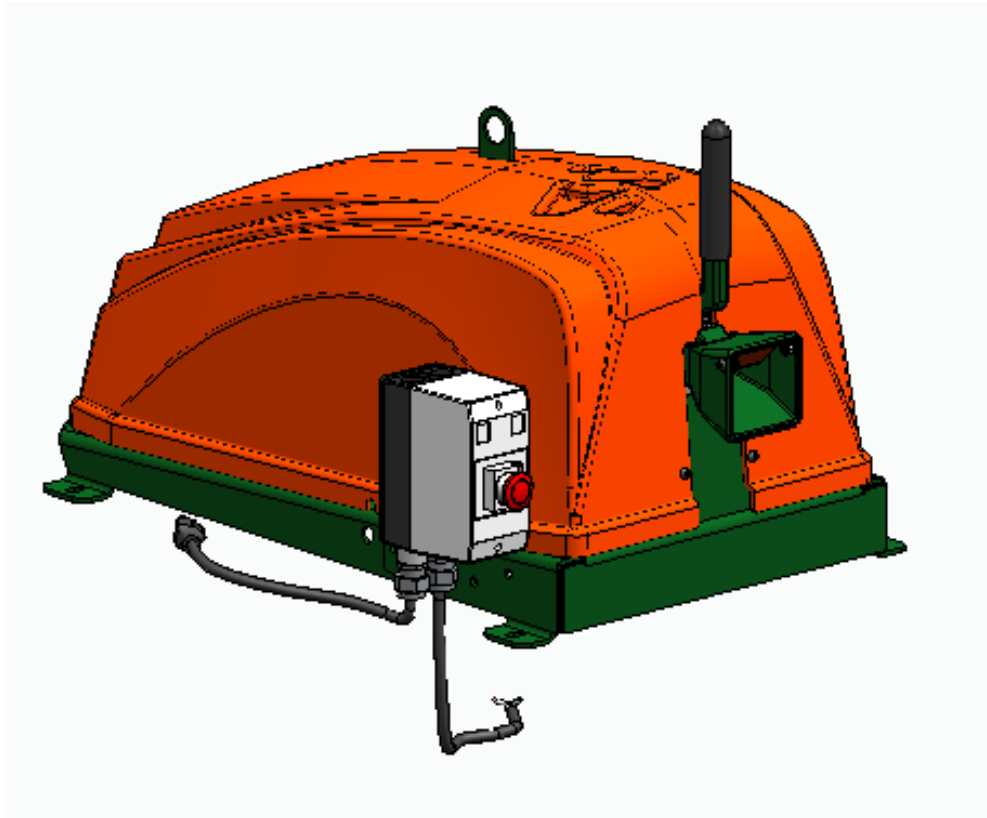


MODEL 300 AF SCRAP CHOPPER



SERIAL #: _____

*Picture may not reflect actual chopper detail. Modification may be added for customer specifics or customization add-ons.

SWEED Machinery, Inc.
653 2nd Avenue | P.O. Box 228 | Gold Hill, OR 97525 USA
TOLL FREE: 1-800-888-1352 | **PH:** 1-541-855-1512 | **FAX:** 1-541-855-1165
Email: sweed@sweed.com | **Web:** www.sweed.com

Revision	Date	Written By	Description of Change	Reviewed By
0	5/31/2019	JOE S.	Original Issue of Building Specification	JTS
1	10/23/2023	Dave L	Updated to new standards	DAL

Mechanical and Electrical Specifications

01	Electrical Main	
01.A	Voltage (Motor)	110 V
01.B	Phase (Motor)	1 Ph
01.C	Hz (Motor)	60 Hz
01.D	Full Load Amps	NA
01.E	Horsepower (Flywheel Motor)	1/2 Hp (.37 kW) (1725 RPM)
01.F	Horsepower (Feedworks Motor)	NA
01.G	Electrical Starter 1	NA
01.H	Electrical Starter 2	NA
01.I	Electrical Starter 3	NA

02	Electrical Control	
02.A	Voltage (Control)	NA
02.B	Short Circuit Current Rating	NA
02.C	Electrical Enclosure	MMP Enclosure NEMA 1
02.D	Cabinet Stand Included	NA, Starter mounted to machine
02.E	Standard Requirements 1	Flywheel Start Button
02.F	Standard Requirements 2	1 Stop Button
02.G	Standard Requirements 3	NA
02.H	Special Requirements 1	NA
02.I	Electrical Installation Req.	Machine fitted with molded cord set 16/3 15AMP, 6FT

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**MACHINE SPECIFICATIONS
AND REPLACEMENT
PART DRAWINGS**

Model: 300AF
Top Level: AD070701
Manual: AD070701

03	Mechanical	
03.A	Infeed Speed	123 ft/min (approx.)
03.B	Cut Length	2 9/16" (calculated)
03.C	Total Equipment Mass	700 lb. (approx.) per (1) Chopper, (1) Stand and (2) Hoppers
03.D	Min. Slab Thickness Req.	NA
03.E	Stand Included	Optional Slider Stand AD077281
03.F	Stand Dimensions	See illustrated dimensions
03.G	Infeed Opening	Standard – 1.000" H x 1.625" W
03.H	Restrictor Plate Applied	Yes, Standard, (flexible material only)
03.I	Feed Dynamics	Hand feed, hand assist to open feedworks
03.J	Infeed Height from Floor	See illustrated dimensions
03.K	Machine Spillway	No (Optional)
03.L	Machine Hopper/Container	Optional SWEED Self-Dumping 1/2 Yard Hopper, AD074063
03.M	Number of Rotating Knives	1
03.N	Number of Stationary Knives	1
03.O	Clutch	No, Not Available
03.P	Processing Material Type	NA
03.Q	Processing Material Width	NA
03.R	Pneumatic Requirements	NA
03.S	Infeed Funnel Safety Paddle	No, this machine <u>is not</u> equipped with a front safety stop infeed paddle.
03.T	Floor Anchors	NA
03.U	Exterior Shell	ABS Plastic - Medium Impact Protection
03.V	Drive: Motor to Flywheel	Belt V A
	Drive: Other	RC35
03.W	Top Feedroll Specifications	2 5/16" DIA. Knurled / Driven
03.X	Bottom Feedroll Specifications	2 5/16" DIA. Smooth / Non-Driven

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04	Ancillary Requirements	
04.A	Compressed Air	None
04.B	Spillway	Machine is not fitted with an outlet spillway; It is the responsibility of customer to provide adequate product containment under machine. Highspeed flywheel will cause product to exit machine with high velocity/energy and could cause severe injury unless outlet enclosure is adequately built and product is fully contained during operation. Additionally, if material does not exit spillway immediately but rebounds back into cutting chamber there may be damage caused to machine over time. Sweed does not warranty damage caused to machine by incorrectly designed spillways where material ricochets back into cutting chamber. Contact Sweed Engineering for information if needed.

05	Standards Special	
05.A	CE (European Conformity)	No

06	Paint Requirements	
06.A	Paint – Body	Standard Sherwin Williams 75KXG14748-4383 SWEED GREEN
06.B	Paint - Safety	Standard Sherwin Williams F75KXE14749-4383 SWEED ORANGE

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MACHINE SPECIFICATIONS AND REPLACEMENT PART DRAWINGS

Model: 300AF
Top Level: AD070701
Manual: AD070701

Preventative Maintenance Quick Guide and Recommended Stock Replacement Parts List

Refer to user and maintenance manual to find maintenance information and standard operating procedures.
The following table lists wear items with interval replacement recommendations and Sweed recommendations for minimum stock levels.
Please note an addition column has been added for customer to determine additional stock recommendations if long lead times may cause disruption to facility's flow.

**All replacement parts detailed in this report is on a per machine basis.

Recommended Spare Parts

Qty	Part Number	Description	Recommend Stock (Consumables) Level QTY	Critical Spare Stock min.	Recommended replacement interval
1	AE073151	ELECTRICAL ASSY 110V	-	1	As Needed
2	BX005896	4-HOLE FLANGE BEARING, 1 1/4" BORE	-	1	As Needed
1	BX012099	SHEAVE, 2.4" OD TYPE 'A' 5/8 " BORE SINGLE GROOVE	-	1	As Needed
1	BX015766	SHEAVE, 7.3 OD 1" BORE KW (2) SS	-	1	As Needed
1	BX016205	SPROCKET, 28T RC35 TYPE 'B' STOCK B 1/2 (2) SS	-	1	As Needed
1	BX021695	BELT, V A 35"OD X 34.3"DD	1	-	***
1	BX023602	FTGE, CORD .25-.38 ST 1/2"	-	1	As Needed
1	BX028851	SPROCKET, 10T RC35 TYPE 'B' 1/2 BORE (2) SS	-	1	As Needed
1	BX035742	MOTOR, 1/2HP 1725RPM 115-230/1/60 56 FRAME BASE	-	1	As Needed
1	CX028888	CHAIN, ROLLER RC35 X 21 LNG PIN2PIN	1	-	***
1	FA000312	CHAIN, MASTER LINK RC35	1	-	***
1	AB052255	UPPER FEEDROLL SHAFT ASSY	1	-	***
1	AB054110	UPPER CASTING ASSEMBLY	-	1	As Needed
1	AB055494	IDLER ROLL ASSEMBLY	-	1	As Needed
1	AB058721	SPROCKET, SEALED BEARING IDLER	-	1	As Needed
1	BB038277	SPRING, TORSION, 300 FW, LH	-	1	As Needed
1	BN001132	SPRING, EXT .734 OD X 2.63 LG X .105 WIRE, .258 HOOK 16 COIL	-	1	As Needed
1	KX000170	300 SINGLE, KNIFE KIT (D2) CB000305 KNIVES [2] FA000094	1	-	***
1	AB052255	UPPER FEEDROLL SHAFT ASSY	1	-	***

*Depending on wear, this may be sooner or longer and is shown as an approximate projection only, customer should monitor wear weekly to determine approximate replacement intervals.

***See OMM Section Trouble Shooting for replacement suggestion.

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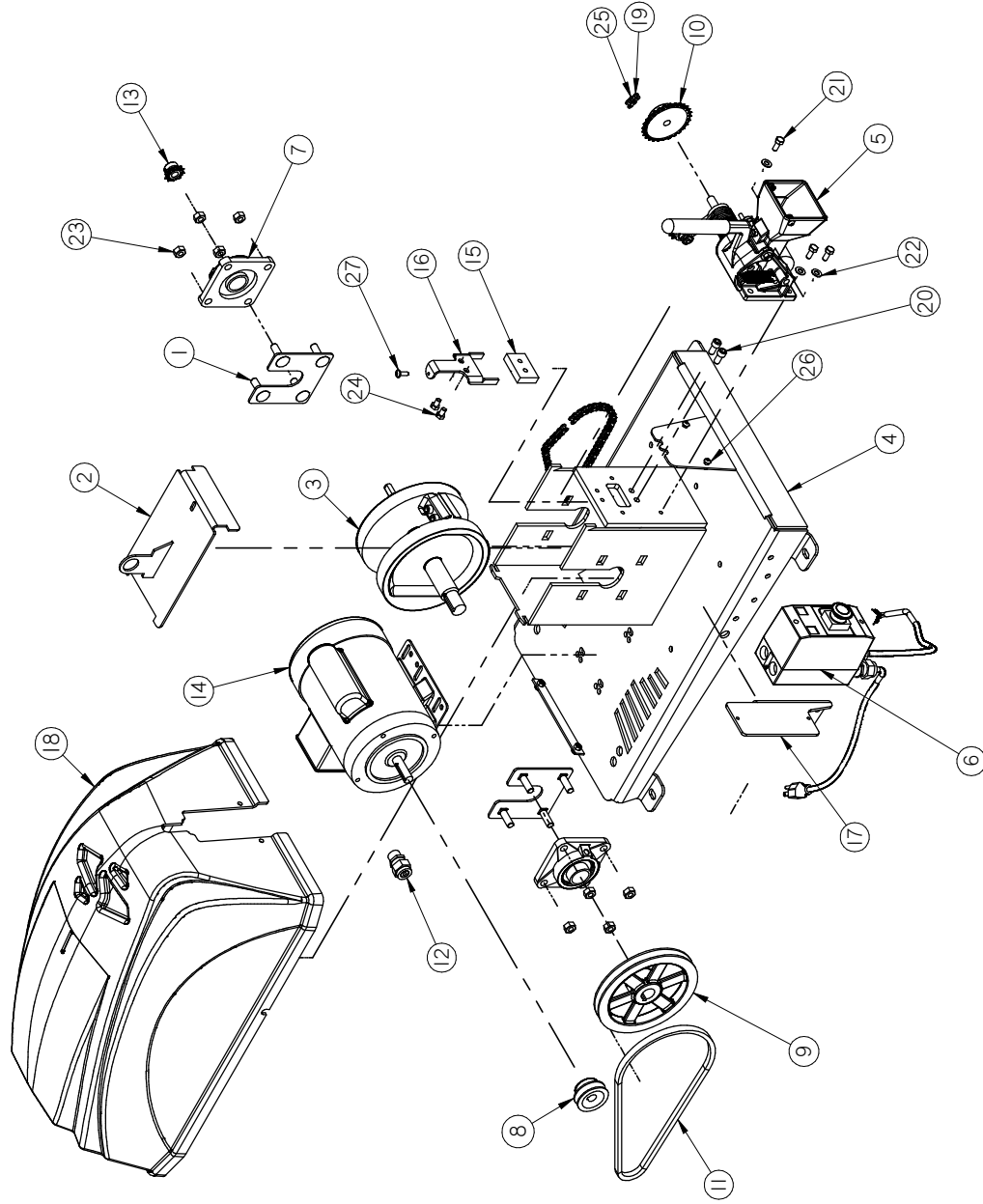


MACHINE SPECIFICATIONS AND REPLACEMENT PART DRAWINGS

Model: 300AF
Top Level: AD070701
Manual: AD070701

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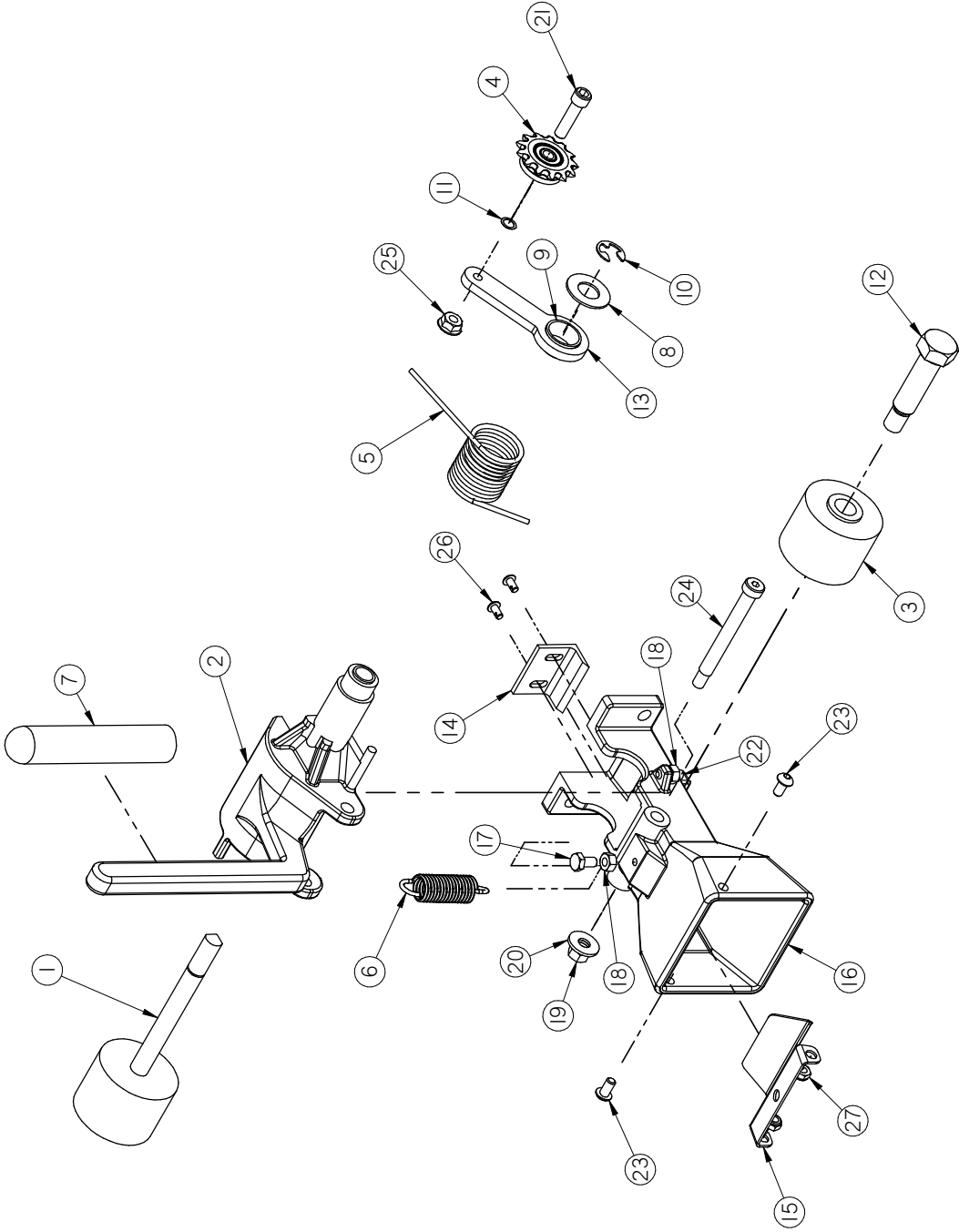


AD070701 300AF BANDIT CHOPPER 110V IPH 60HZ

NOTES: (UNLESS OTHERWISE SPECIFIED)

27	1	FA000922	BOLT, 1/4-20 X 3/4 BUTTON HD FLANGE	
26	4	FA000619	SCREW, 1/4-20 X 1/2 BUTTON SOCKET CAP	
25	1	FA000312	CHAIN MASTER LINK RC35	
24	2	FA000154	BOLT, 5/16-18 X 1/2 HEX HEAD GRADE 5	
23	8	FA000136	NUT, 7/16-14 HEX	
22	3	FA000113	WASHER, 5/16 FLAT SAE	
21	3	FA000048	BOLT, 5/16-18 X 3/4	
20	2	FA000010	BOLT, 3/8-16 X 3/4 SHCS	
19	1	CX028888	CHAIN ROLLER RC35 X 21 LING PINZPIN	
18	1	CD035739	B GUARD, ABS FORMED MACHINE	
17	1	CB035741	ELECTRICAL MNT, LEFT SIDE	
16	1	CB022971	A MATERIAL GUIDE	
15	1	CB000305	B ROTATING KNIFE D-2	
14	1	BX035742	MOTOR, 1/2HP 1725RPM 115-230V160 56 FRAME BASE	
13	1	BX028851	SPROCKET, 10T RC35 TYPE B 1/2 BORE 121SS	
12	1	BX023602	FTQE, CORD 25-38 ST 1/4"	
11	1	BX021695	BELT, V A 35700 X 343700	
10	1	BX016205	SPROCKET, 28T RC35 TYPE B STOCK B 1/2 121SS	
9	1	BX015766	SHEAVE, 73 00 1" BORE KM 121SS	
8	1	BX012099	SHEAVE, 24" 00 TYPE A 5/8" BORE SINGLE GROOVE	
7	2	BX005896	4-HOLE FLANGE BEARING, 1 1/4" BORE	
6	1	AE073151	ELECTRICAL ASSY 110V	
5	1	AD070705	FEEDWORKS ASSEMBLY W/ RESTRICT INFEED	
4	1	AD070702	A HOUSING ASSEMBLY	
3	1	AD058811	FLY WHEEL ASSEMBLY W/KNIFE, BOLTS	
2	1	AB070703	LID ASSEMBLY	
1	2	AB052664	BEARING BACKING PL ASSY	
#	QTY	SPEED #	REV	DESCRIPTION

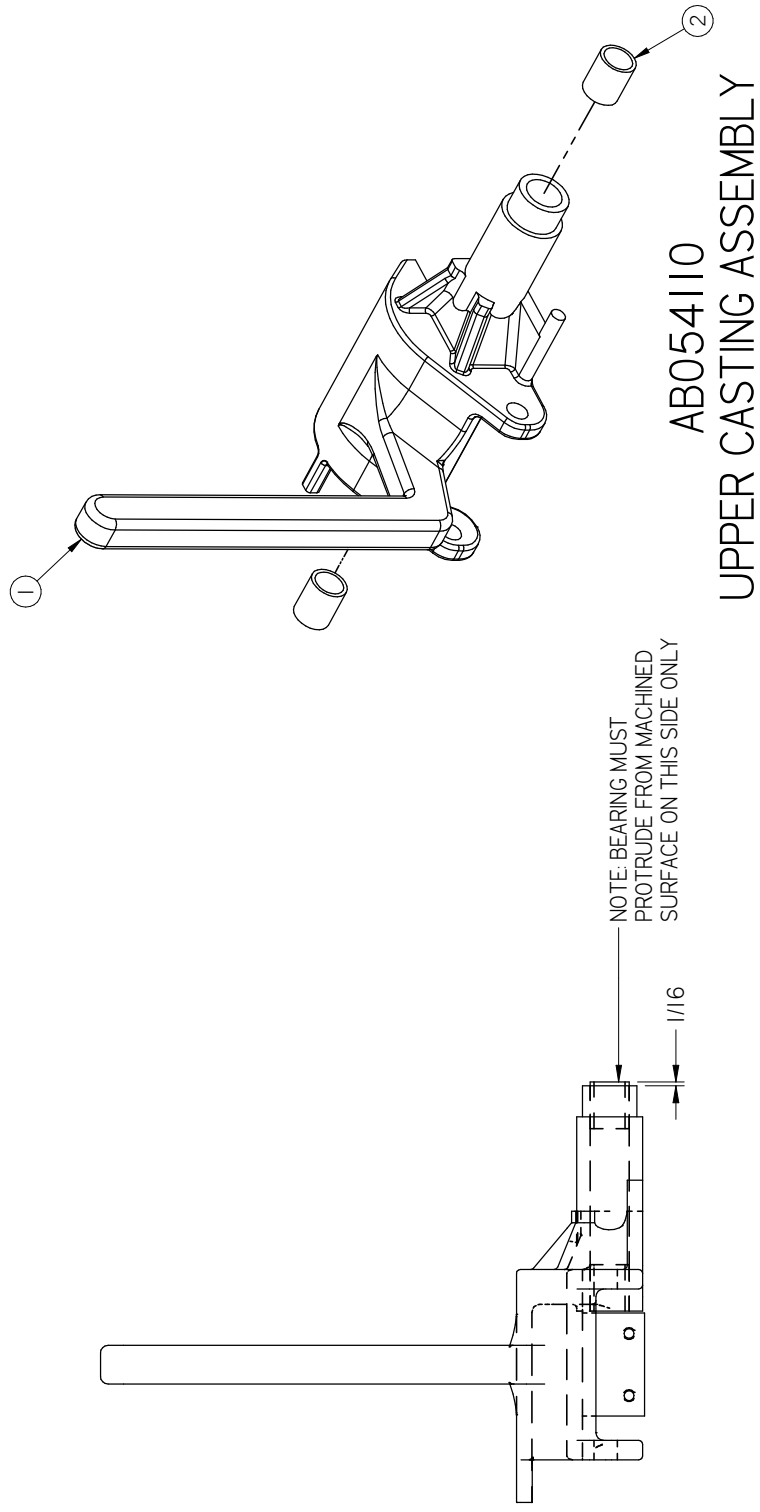
 Sweed Machinery, Inc. PO Box 228 • Gold Hill, OR 97525 541-855-1512			DATE:	3/5/2014
			SHEET:	3 OF 8
			PART DWG:	AD070701



AD070705
FEEDWORKS ASSEMBLY W/ RESTRICT INFEED

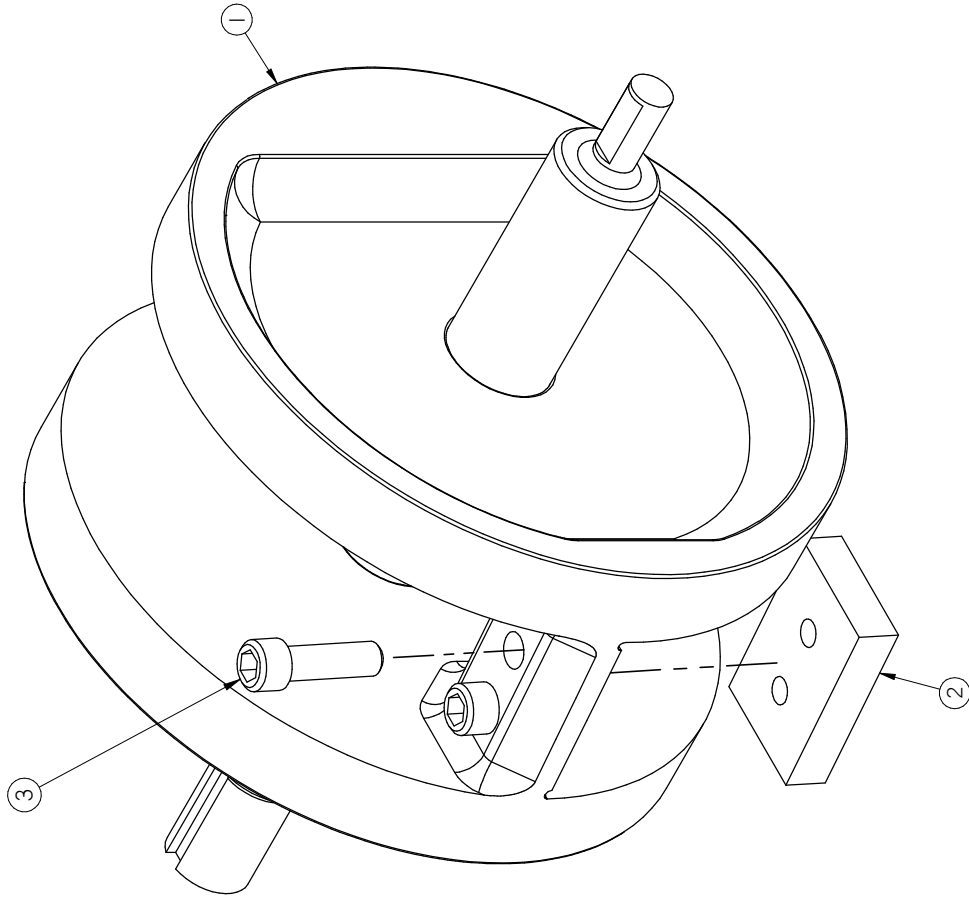
NOTES: (UNLESS OTHERWISE SPECIFIED)

27	2	FA000860	NUT, 1/4-20 HEX NUT LOCK JAM	
26	2	FA000849	SCREW, 10-32 X 3/8 BUTTON HD LOCK	
25	1	FA000843	NUT, 5/16-18 HEX FLANGE	
24	1	FA000830	BOL T, SHLDR 3/8 X 3	
23	2	FA000619	SCREW, 1/4-20 X 1/2 BUTTON SOCKET CAP	
22	1	FA000425	SCREW, 1/4-20 X 3/4 SET SOCKET HEAD	
21	1	FA000359	BOL T, 5/16-18 X 1 1/4 SHCS	
20	1	FA000112	WASHER, 5/16 FLAT USS	
19	1	FA000063	NUT, 5/16-18 HEX	
18	2	FA000065	NUT, 1/4-20 HEX	
17	1	FA000041	BOL T, 1/4-20 X 1/2 HEX HEAD GRADE 5	
16	1	CD026880	C LOWER INFEED FUNNEL	
15	1	CB032703	INFEED RESTRICTION PLATE, FINISH PAINT	
14	1	CB024313	D MATERIAL GUIDE, ADJUSTABLE	
13	1	CB023893	TENSIONING ARM, CHAIN	
12	1	CB023029	C AXLE SHOULDER BOLT	
11	1	BX026697	SHIM, 3/4 ID X 7/16 OD X .010 SS	
10	1	BX023325	E-RING, 1/2 EXTERNAL	
9	1	BX023323	BEARING, PLN 7/8 ID X 1 OD X 1/2 LG	
8	1	BX023322	WASHER, BRONZE, THRUST 5/8 D X 1 1/4 OD X 1/16	
7	1	BN001623	GRP 3/4" ID X 5 1/8"	
6	1	BN001132	SPRING, EXT. 734 OD X 2.63 LG X .105 WIRE, 258 HOOK 16 COIL	
5	1	BB038277	SPRING, TORSION, 300 FW, LH	
4	1	AB058721	A SPROCKET, SEALED BEARING IDLER	
3	1	AB055494	A IDLER ROLL ASSEMBLY	
2	1	AB054110	UPPER CASTING ASSEMBLY	
1	1	AB052255	UPPER FEEDROLL SHAFT ASSY	
#	QTY	SPEED #	REV	DESCRIPTION
 Sweed Machinery, Inc. PO Box 228 • Gold Hill, OR 97525 541-955-1512				
				DATE: 3/5/2014
				SHEET: 4 OF 8
				PART DWG: AD070701



2	2	EX008026	BEARING, PLN 1/2 ID X 5/8 OD X 3/4 LG	
1	1	CD022806	G UPPER FEEDWORKS BRACKET	
#	QTY	SWEED #	REV	DESCRIPTION
Sweed Machinery, Inc. PO Box 228 • Gold Hill, OR 97525 541-855-1512				
DATE:			3/5/2014	
SHEET:			5 OF 8	
PART NO:			AD070701	

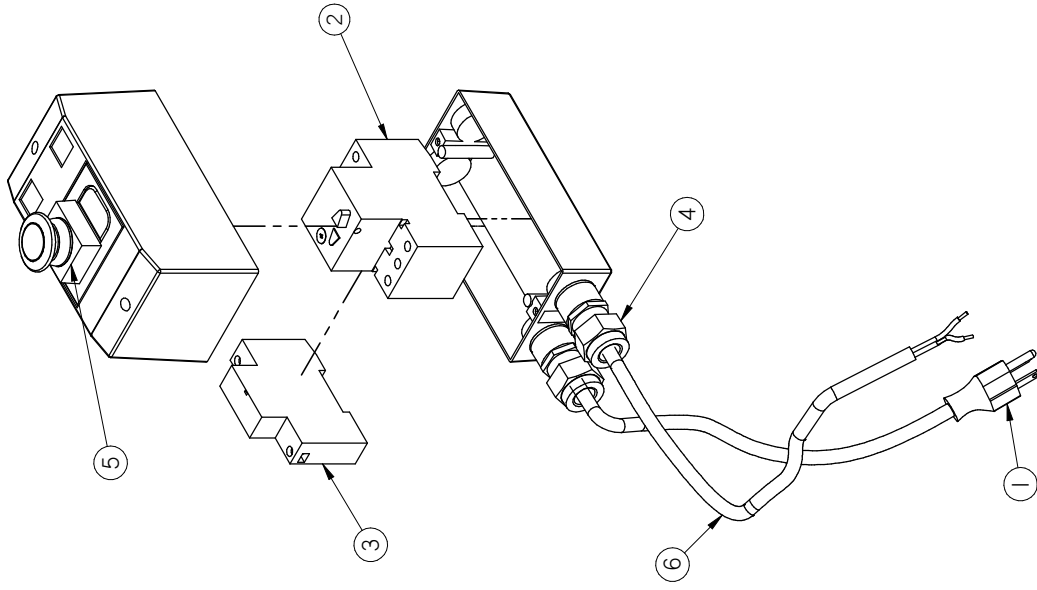
NOTES: (UNLESS OTHERWISE SPECIFIED)



AD058811
FLYWHEEL ASSEMBLY W/KNIFE, BOLTS

NOTES: (UNLESS OTHERWISE SPECIFIED)

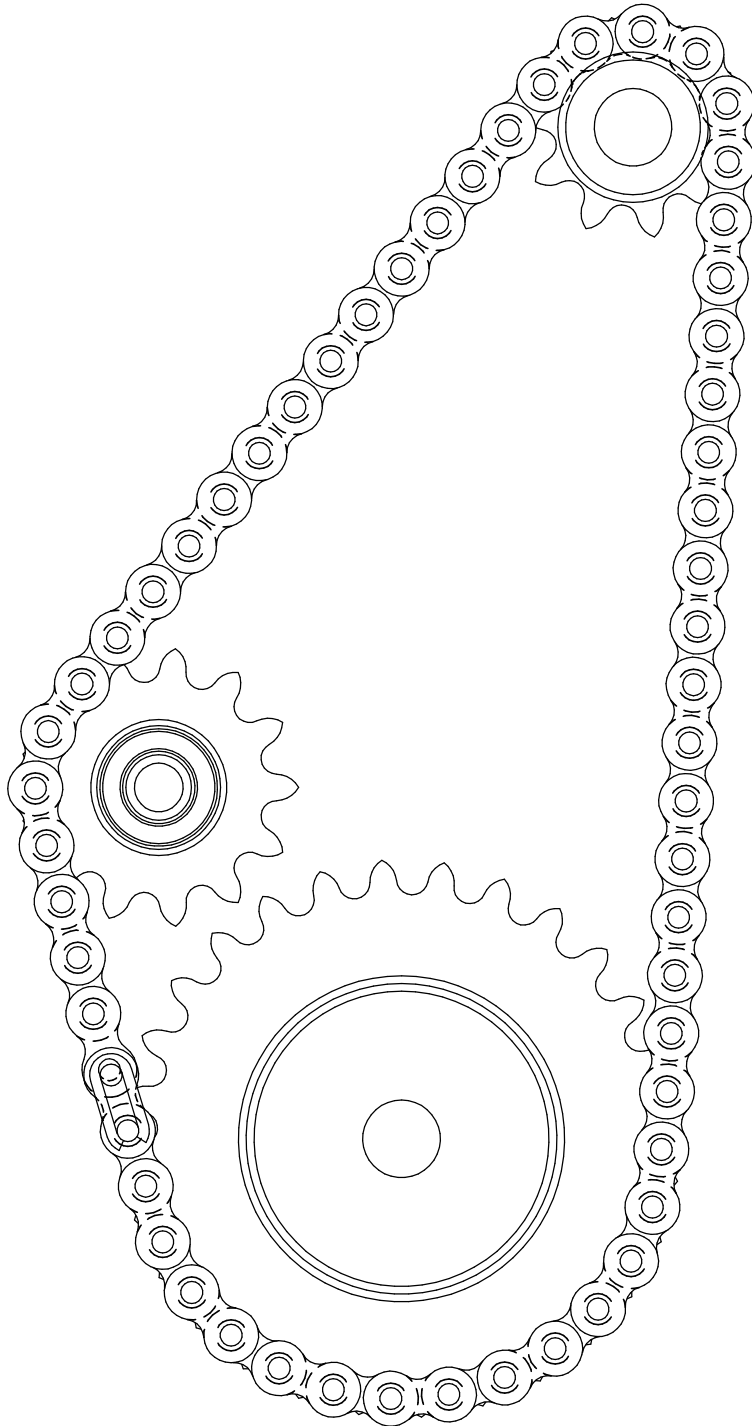
3	2	FA000094	BOLT, 3/8-16 X 1 1/4" SHCS	
2	1	CB000305	B ROTATING KNIFE D-2	
1	1	AD052663	FLYWHEEL ASSY	
#	QTY	SPEED #	REV	DESCRIPTION
Sweed Machinery, Inc. PO Box 228 • Gold Hill, OR 97525 541-855-1512				
			DATE:	3/5/2014
			SHEET:	6 OF 8
			PART NO:	AD070701



AE073151 ELECTRICAL ASSY 110V

NOTES: (UNLESS OTHERWISE SPECIFIED)

6	1	CX041357		CORD, MOLDED CORD 16/3 15AMP CUT
5	1	BX028039		MMP UVP-ETOP PUSH/PULL
4	2	BX023602		FTCE CORD 25-38 ST 1/4"
3	1	BX023053		MMPXT UVR 120V60H
2	1	BX023018		MMPXT 63-10 FLA
1	1	BX021343		CORD, MOLDED CORD SET 16/3 15 AMP 6FT
#	QTY	SWEED #	REV	DESCRIPTION
Sweed Machinery, Inc. PO Box 228 • Gold Hill, OR 97525 541-855-1512				
DATE:				3/5/2014
SHEET:				7 OF 8
PART NO:				AD070701



CHAIN ORIENTATION



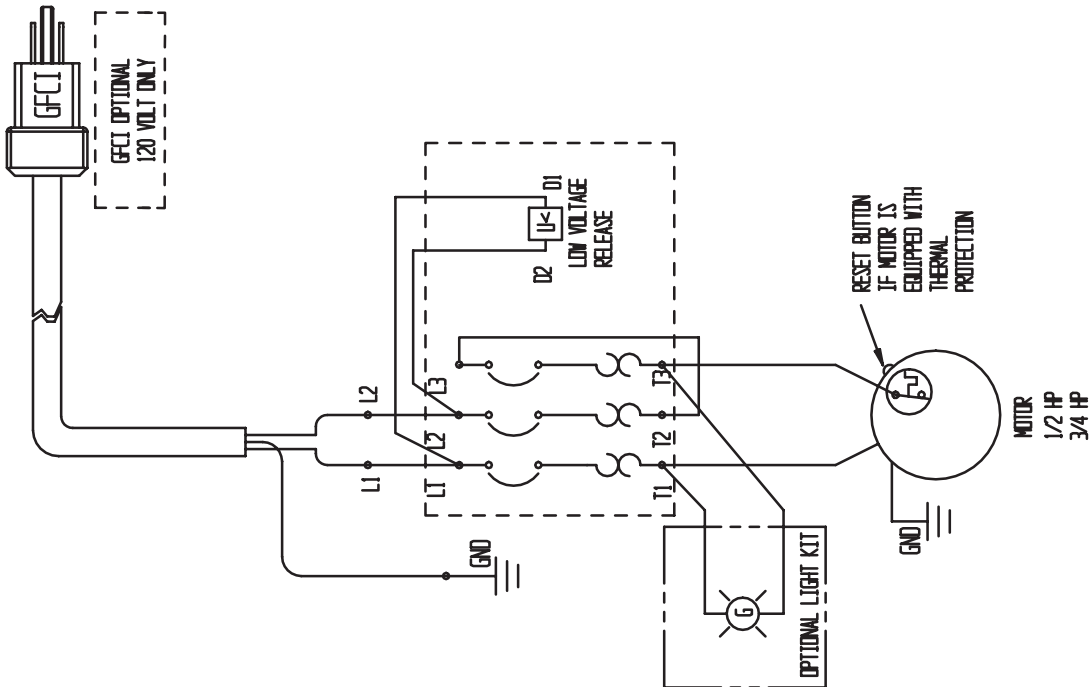
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SHEET:	8 OF 8
PART NO:	AD070701

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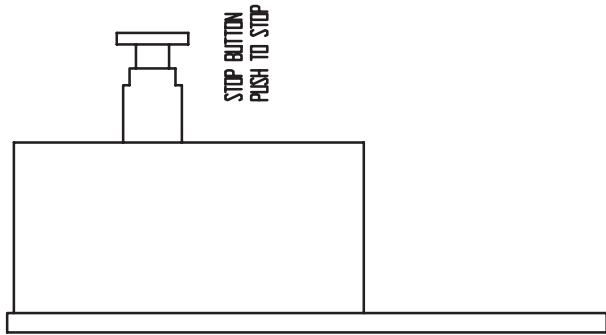
REVISIONS

REV.	DESCRIPTION	BY	APPROVAL	DATE
A	ADDED PILOT LIGHT, CORD & PLUG & MOTOR THERMAL	VAH		6-18-04
B	ADDED MODELS 400 THRU - 1/2HP	VAH		5/25/05

CUSTOMER TO INSTALL IN ACCORDANCE
WITH N.E.C. & ALL STATE & LOCAL REQUIREMENTS.



AE053341
AE053351
AE054561
AE054571



Sweed Machinery, Inc.
P.O. Box 228 Gold Hill, Oregon 97525
(541) 855-1512

SCALE: DNS
DATE: 11/27/02
DRAWN BY: VAH
CHECKED BY:
APPROVED BY:

MODELS 300 THRU 450 HP STARTER, UNDERVOLT RELEASE, OPTIONAL PILOT LIGHT
1/2HP, 3/4HP 120/1/60 - 240/1/60

DWG. #: EB000511