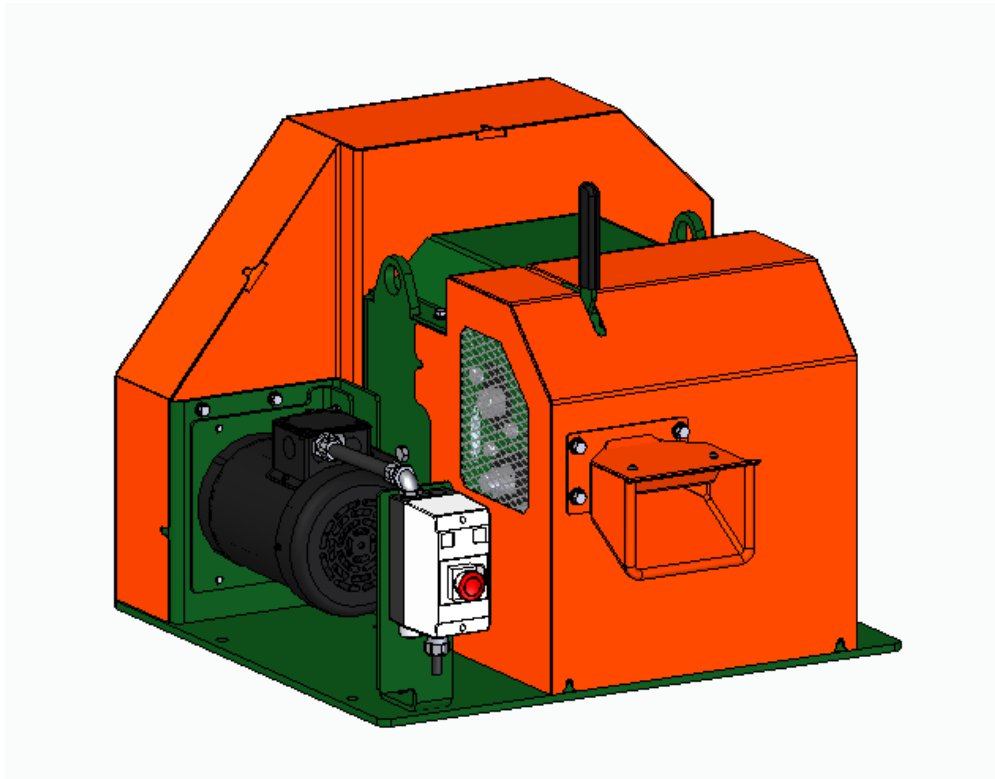


MODEL 510AP SCRAP CHOPPER



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	1/4/24	Dave L	Original Issue of Building Spec for General Publication	DAL

MACHINE SPECIFICATIONS AND REPLACEMENT PART DRAWINGS

Model: 510AP
Top Level: AD078274
Manual: AD078274

Mechanical and Electrical Specifications

01	Electrical Main	
01.A	Voltage (FLA)	460V (3A)
01.B	Motor Phase	<input type="checkbox"/> 1 P <input checked="" type="checkbox"/> 3 P
01.C	Frequency (Motor)	<input checked="" type="checkbox"/> 60hz <input type="checkbox"/> 50hz
01.D	Horsepower (Motor)	1 ½ Hp
01.E	Electrical Starter	<input checked="" type="checkbox"/> Manual Starter <input type="checkbox"/> Timed Shut Off <input type="checkbox"/> VFD
01.F	CE Compliant	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
01.G	Special Requirements	

02	Electrical Control	
02.A	Short Circuit Current Rating	5 kA
02.B	Line Signal Required	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
02.C	Special Requirements	

03	Mechanical	
03.A	Infeed Speed	<input checked="" type="checkbox"/> 90 ft/min. <input type="checkbox"/> Other:
03.B	Cut Length	<input checked="" type="checkbox"/> 3-1/2" <input type="checkbox"/> Other_____
03.D	Equipment Mass	730 lb.
03.E	Number of Dynamic Knives	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4
03.F	Number of Stationary Knives	1
03.G	Upper Feedroll	<input checked="" type="checkbox"/> Knurled (STD) <input type="checkbox"/> Smooth <input type="checkbox"/> Other_____
03.H	Lower Feedroll	<input checked="" type="checkbox"/> Knurled (STD) <input checked="" type="checkbox"/> Smooth <input type="checkbox"/> Other_____
04.I	Custom Infeed Funnel	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain_____
03.J	Clutch	<input checked="" type="checkbox"/> N.A. <input type="checkbox"/> Permanent Mag <input type="checkbox"/> Mag Particle
03.K	Paint – Body	Sherwin Williams 75KXG14748-4383 SWEED GREEN
03.L	Paint - Safety	Sherwin Williams F75KXE14749-4383 SWEED ORANGE
03.M	Special Requirements	

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MACHINE SPECIFICATIONS AND REPLACEMENT PART DRAWINGS

Model: 510AP
Top Level: AD078274
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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.

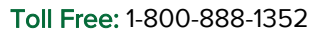
Recommended Spare Parts

Qty	Part Number	Description	Recommend Stock (Consumables) Level QTY	Critical Spare Stock min.	Recommended replacement interval
2	BN000034	SPROCKET, 18T RC40 IDLER WITH BEARING	-	2	As Needed
1	BN000281	SEAL, FLYWHEEL SIDE GREASE 3.505" OD X 2.313" ID X .250	-	1	As Needed
1	BN000282	BEARING RACE, REQ BN002758 FOR SET	-	1	As Needed
1	BN000283	BEARING RACE REQ BN002759 FOR SET	-	1	As Needed
2	BN000541	SPROCKET, 12T RC40 TYPE 'B' 1" BORE 1/4" KW (2) SS	-	2	As Needed
4	BN001024	BEARING, 1 BORE 2-BOLT FLANGE	-	4	As Needed
1	BN001501	SHEAVE, 3.5" OD TYPE 'A' 5/8" BORE SINGLE GROOVE	-	1	As Needed
1	BN001582	TENSIONER, ROTARY 20-45LBS 3/8-16 TAPPED (2) PLACES	-	1	As Needed
1	BN001623	GRIP, 3/4" I.D X 5 1/8" LONG,	-	1	As Needed
1	BN002758	BEARING, 2.25" X .8268" WD 387A REQ BN000282 FOR SET	-	1	As Needed
1	BN002759	BEARING, 1.688" X .8268" WD 342S (REQ BN000283 FOR SET)	-	1	As Needed
1	BN007762	SEAL, 2" SHAFT DIA., 3.150 OD, .375 WIDTH	1	-	As Needed
1	BN007764	SEAL, 2.75" SHAFT DIA., 3.941" OD, .438" THK	1	-	As Needed
1	BX002603	FTGAIR, STRAIGHT MALE 1/8NPT - 1/4 TUBE	-	1	As Needed
1	BX011559	NUT, 1.563-18 SELF LOCKING PN SERIES	-	1	As Needed
1	BX011561	NUT, 2.165-18 SELF LOCKING PN SERIES	-	1	As Needed
1	BX011562	WASHER, 1.583 BORE 8-TAB LOCK PW SERIES	-	1	As Needed
1	BX011563	WASHER, 2.182 BORE 8 TAB LOCK PW SERIES	-	-	As Needed
1	BX012986	FTGAIR, SWIVEL 1/8 NPT TO 1/4 90° CAMOZZI FITTING	-	-	As Needed
1	BX014176	SPROCKET, 13T RC40 TYPE 'B' 1" BORE 1/4" KW (2) SS	-	-	As Needed
1	BX026980	SEAL, 2.875 OD X 2.000 ID X .250 THK	1	-	As Needed
1	BX027689	BUSHING, QD SF 1 15/16 BORE	-	1	As Needed
1	BX039461	MOTOR, 1 1/2HP 1725RPM 230/460 3/60 56C FRAME	-	1	As Needed
1	BX039922	SPROCKET, 14T RC40 5/8" BORE	-	1	As Needed
1	BX039923	SPROCKET, 18T RC40, 7/8" BORE	-	1	As Needed
1	BX039924	BELT, V 4L X 68"OD	1	-	As Needed
1	BX040057	REDUCER, RT ANG 5:1 56 FRAME	-	1	As Needed
1	BX040058	SPRING, EXT 1/2"OD X .075 WIRE X 2 3/4" LENGTH	-	1	As Needed
2	CB014195	FEEDROLL, 4" DIA 1045 KNURLED	2	-	***
1	CB027208	WEAR PLATE	1	-	As Needed
1	CX009328	CHAIN, RC40 X 30"	1	-	As Needed
1	CX042213	CHAIN, RC40 X 20"	1	-	As Needed
2	FA000216	CHAIN, MASTER LINK RC40	2	-	As Needed
1	KX000283	510 AO SINGLE KNIFE KIT (2) KNIVES CB000087, 4 BOLTS (2) FA000368, (2) FA000959	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.

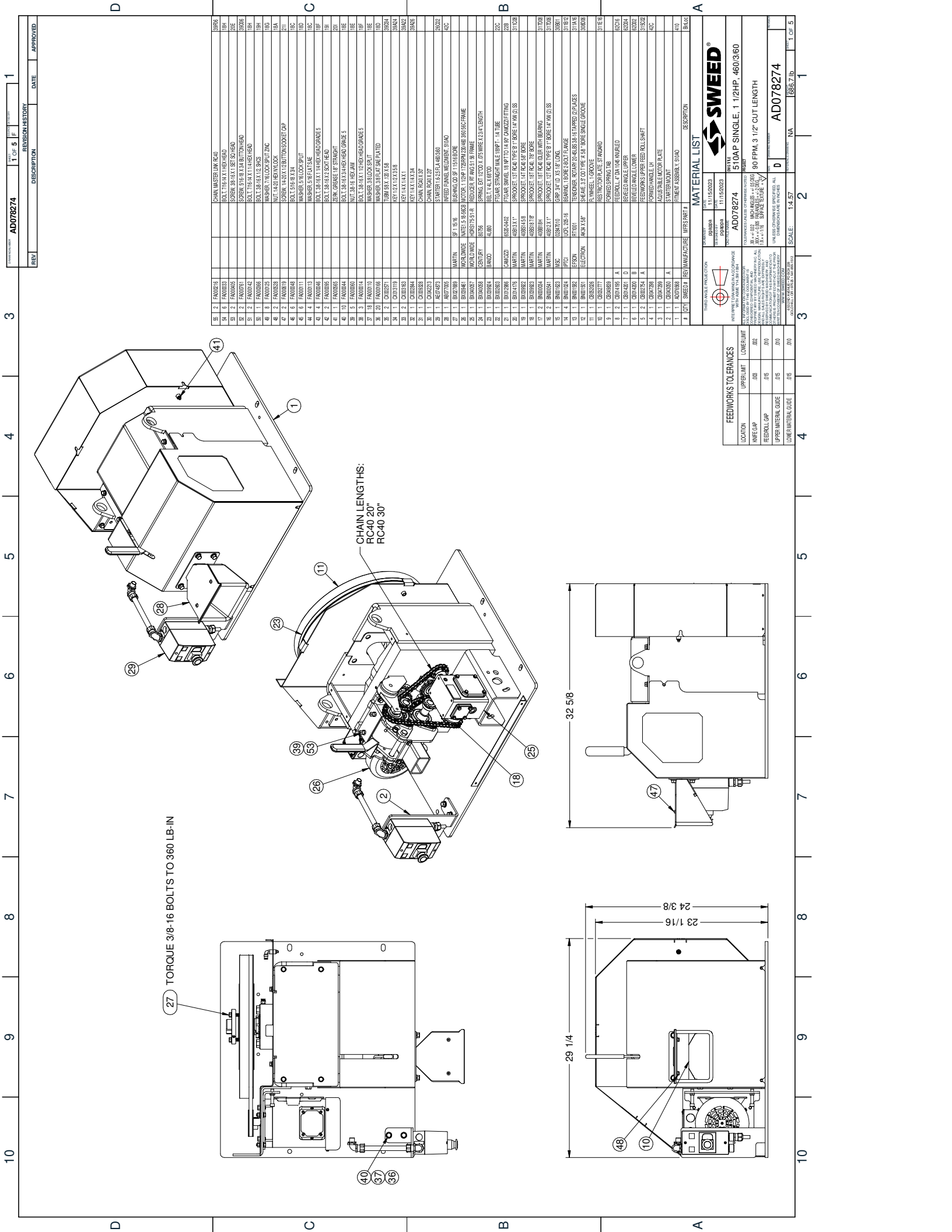
***See OMM Section Trouble Shooting for replacement suggestion.

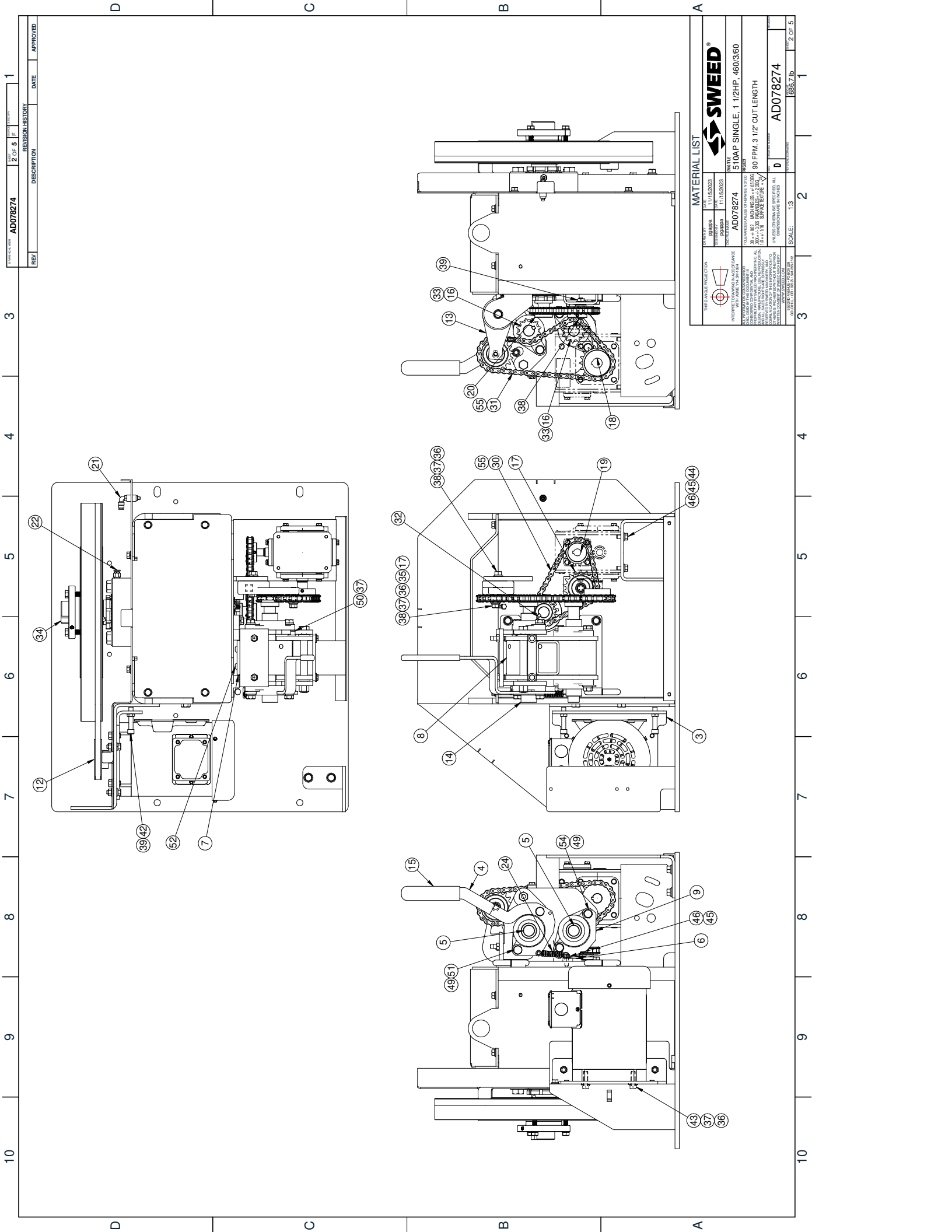
Revision	Date	Written By	Description of Change	Reviewed By
0	1/4/24	Dave L	Original Issue of Building Spec for General Publication	DAL

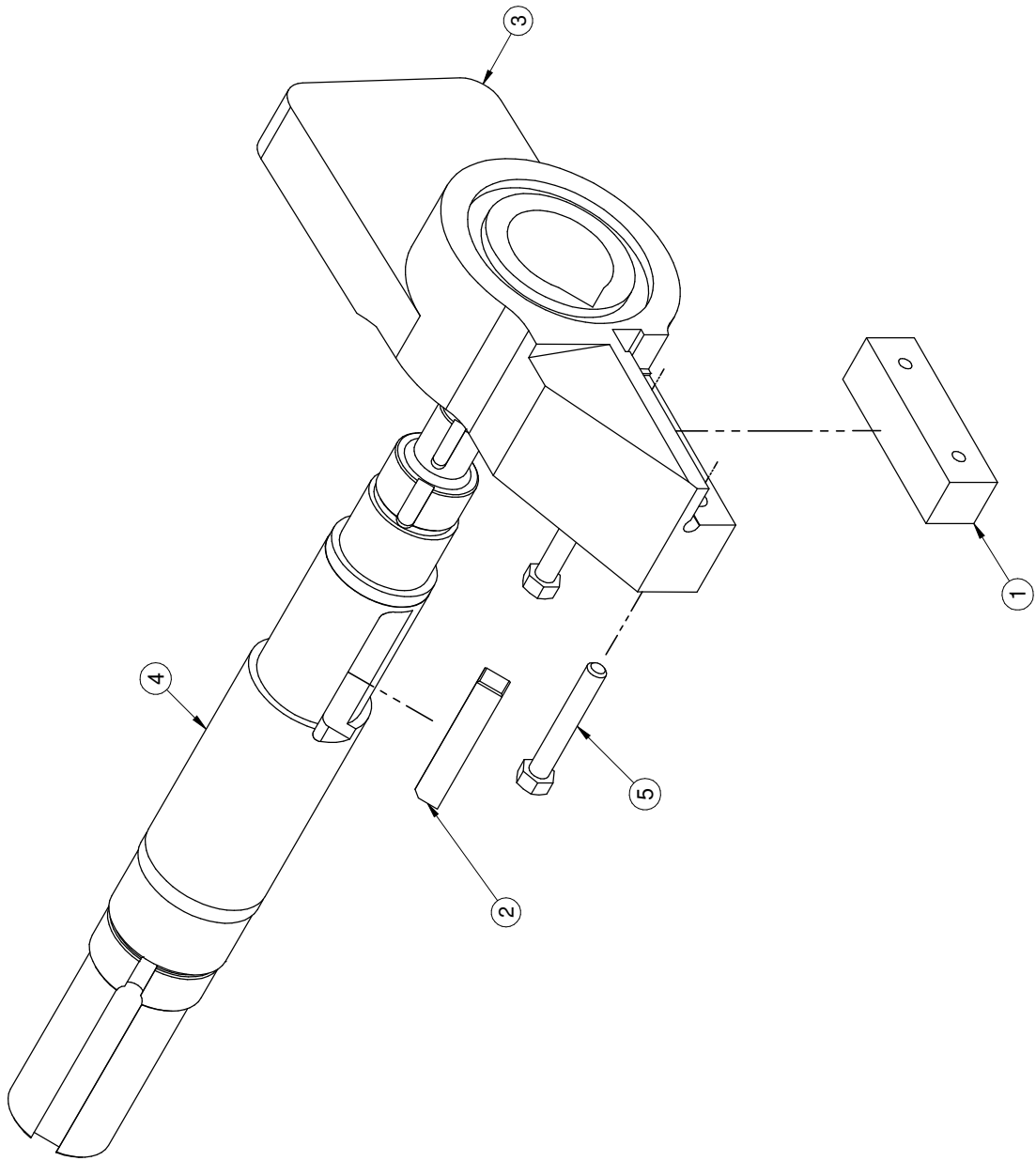


Model: 510AP
Top Level: AD078274
Manual: AD078274

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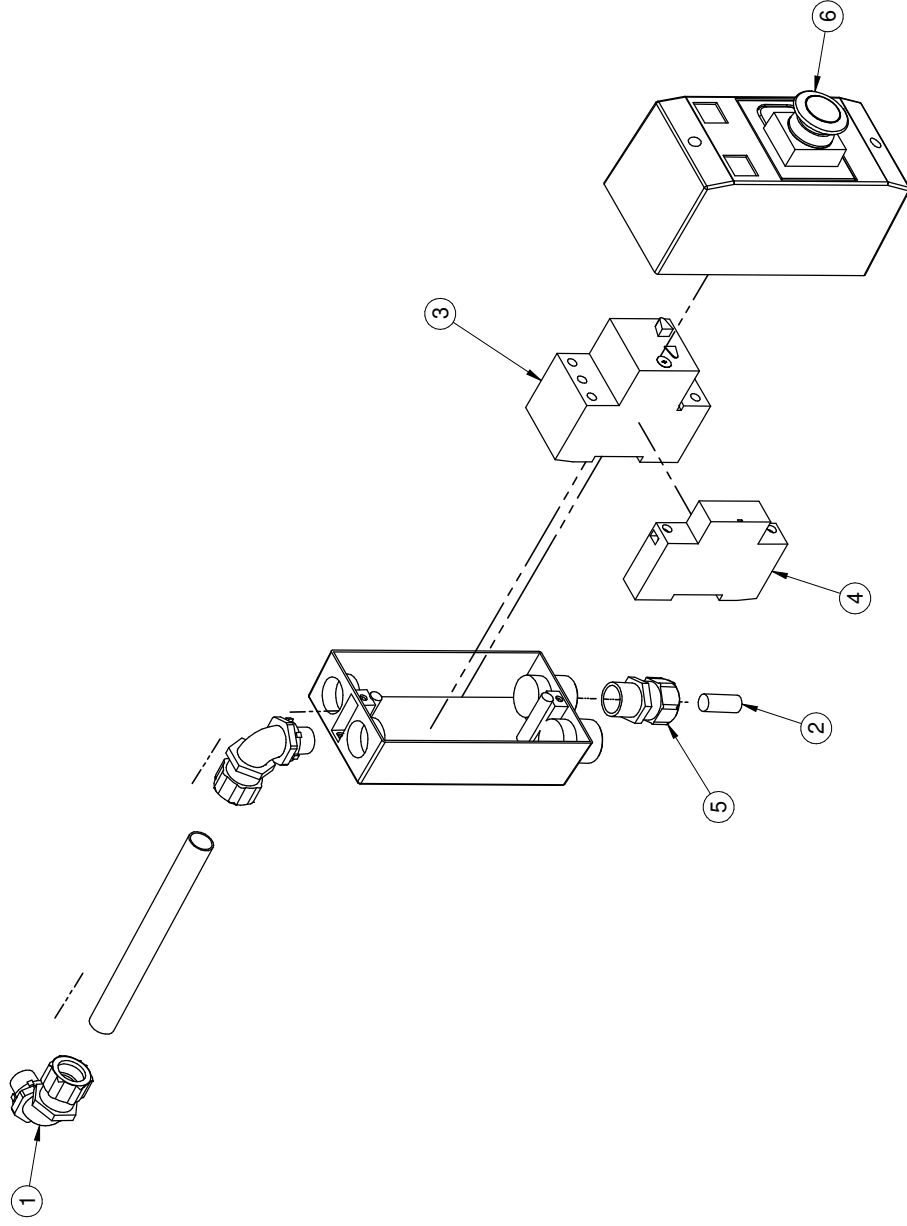


AD076570
ROTATING SINGLE KNIFEHOLDER ASSEMBLY

5	2	FA000959	BOLT, 3/8-16 X 2 1/2 HEX HD GR8	
4	1	CB047223	FLYWHEEL SHAFT	
3	1	CB027206	B MACHINED HOLDER	
2	1	CB017897	FLYWHEEL KEY	
1	1	CB000087	B KNIFE D2, DRILLED AND TAPPED	
#	QTY	SWEED #	REV	DESCRIPTION



DWG TITLE		510AP SINGLE, 1 1/2HP, 460/3/60
BY		CAD FILE
NAME		AD078274
DATE		11/15/2023
T		686.7 lbm
4 OF 5		



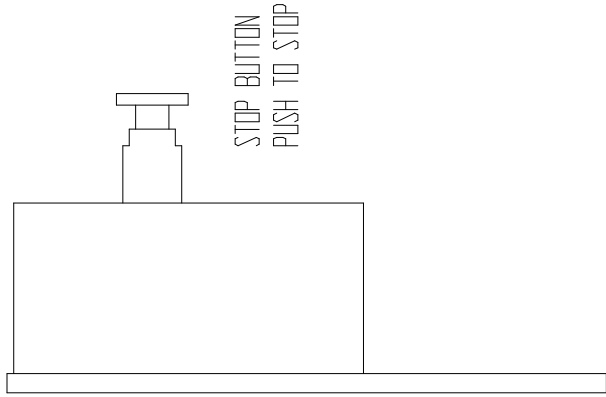
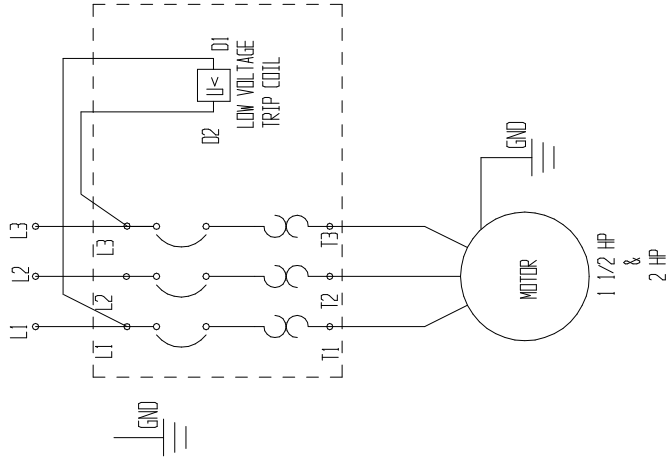
AE074873
STARTER 1.6-2.5 FLA 460/3/60

6	1	BX028039		MIMP UVP-ETOP PUSH/PULL
5	1	BX023596		FTGE, CORD 38-50, ST 1/2"
4	1	BX023128		MIMP XT UVR 480V60HZ
3	1	BX023015		MIMP XT 1.6-2.5 FLA
2	1	BX020018		CORD, SO-W 16/4 BLK
1	2	BX010330		FTGE, FLEX 3/8" 90 DEG
#	QTY	SWEED #	REV	DESCRIPTION



DWG TITLE		510AP SINGLE, 1 1/2HP, 460/3/60	
BY		CAD FILE	
NAME		DO NOT SCALE DRAWING DIMENSIONS	
B		AD078274	
DATE	11/15/2023	WEIGHT	686.7 lbm
			5 OF 5

CUSTOMER TO SUPPLY SERVICE DISCONNECT IN ACCORDANCE
WITH N.E.C. & ALL STATE & LOCAL REQUIREMENTS.



REVISIONS			
REV.	DESCRIPTION	BY	APPROVAL DATE
A	ADDED 513		8/24/18

REV.	FILE	SCALE: DNS
Sweed Machinery, Inc.		
P.O. Box 228 Gold Hill, Oregon 97525		
DATE: 12/20/05		
DRAWN BY: WAH		
CHECKED BY:		
APPROVED BY:		
510 THRU 513, MHP STARTER, UNDERVOLT RELEASE		
1 1/2 HP & 2 HP 208/3/60, 230/3/60, 460/3/60, 575/3/60		
DWG. #: EB009501		