



**AMS-150HD/ AMS-150HD-SSD/ AMS-150-SSD
AMS-300HD/ AMS-300HD-SSD/ AMS-300-SSD**

OWNER'S MANUAL SERIES 1 HARD DRIVE



NOTICE: The information contained within this manual is correct at time of printing, but due to the continuing development of products, changes in specifications are inevitable. Ameri-Shred reserves the right to implement such changes without prior notice.

TABLE OF CONTENTS

UNLOADING/UNPACKING	3
ELECTRICAL INSTALLATION	4
NAMEPLATE (LOG SHREDDER SPECIFICS)	4
SAFETY WARNINGS	5
SHREDDER OPERATION	6
START UP PROCEDURE	7
SERVER DRIVE JAM WARNING	8
CLEARING A JAM	9
SHUT DOWN PROCEDURE	9
CURRENT RELAY ADJUSTMENT.....	9
TROUBLESHOOTING	10
MAINTENANCE	11-12
MAINTENANCE CHECKLISTS	13-16
CONVEYOR BELT ADJUSTMENT.	17
PARTS LISTS	
CUTTER ASSEMBLY - HD-SSD MODELS	18-19
CUTTER ASSEMBLY - HD MODELS	20-21
CUTTER ASSEMBLY - SSD MODELS	22
OUTPUT CONVEYOR	23
ELECTRICAL DIAGRAMS - 1.5 HP MODELS	24-29
ELECTRICAL DIAGRAMS - 3 HP MODELS	30-33

Thank you for purchasing an Ameri-Shred shredder. Our shredders are manufactured in the United States by skilled craftsmen. They are designed with the operator in mind for both ease of operation and maintenance. Ameri-Shred requests that each operator read and familiarize themselves with this manual before operating the machine.

Series 1 Hard Drive Shredders are designed to shred hard drives and other electronic media into unusable particles ensuring the contained information is rendered useless. Ameri-Shred believes in using the highest quality components in each of our industrial shredders.

This manual includes safety tips, operating instructions, preventative maintenance, lubrication schedules, and trouble shooting information. Please contact our service department at **888-270-6879** with any questions.

UNLOADING/UNPACKING

Your new Ameri-Shred shredder has been secured to a pallet for shipping. Please inspect equipment immediately for shipping damage.

- Using a lift truck with a minimum capacity of 1500 lbs., remove the machine from the carrier and transport to operation site. Remove pallet and discard responsibly.
 - Unpack the shredder and inspect it for any obvious damage. Note any damage on the bill of lading and contact the shipping party immediately.
 - Ameri-Shred hard drive shredders are equipped with casters for ease of handling.
 - Unlock cabinet doors and visually inspect the internal cabinet to check for any internal damage. Photograph any damage and contact the shipping party immediately.
 - After inspection, close and relock cabinet doors.
-
- If the optional modular conveyor was purchased, unpack and inspect it for any damage.
 - After shredder is in position, remove the four bolts that hold the access panel on the back of the shredder.
 - Go to the front of the shredder, open the access door beneath the cutting chamber and remove the two bolts that are partially threaded in holes in the side plates.
 - Move the modular conveyor to the back of the shredder and slide it into the access panel opening. Plug it into the provided receptacle.
 - Go to the front of the shredder and replace the two bolts through the channel that is on the conveyor to secure the conveyor to the shredder.



NOTE:



Series 1 Hard Drive Shredders are **top heavy**, which results in a **tipping hazard**. Always use care when moving the shredder and stay clear of it in the event of a tip. The shredder is too heavy to stop mid way, and it can cause serious injury. Give wide berth if it tips over and ensure that it will not come in contact with any body parts.



The **potential for tipping is increased significantly on uneven surfaces**, particularly on vertical moves. It is imperative that the shredder is secured in place prior to using a lift-gate, fork truck, etc. Secure the shredder with straps, holders, etc. and then move out of harm's way. The brakes on the shredder's casters will not secure the shredder during vertical movement.

ELECTRICAL INSTALLATION

All electrical installation and service must be accomplished by a qualified electrician. Follow all national and local electrical codes and ordinances.

“WARNING”
LOCK POWER IN OFF POSITION

- All internal wiring has been factory installed and tested prior to shipping. Electrical installation consists of providing adequate machine power only.
- Check building service to ensure the correct voltage is available and that those current requirements can be met according to nameplate located on the rear panel of the machine. Record the nameplate information in the space below.
- Install receptacle (provided on 3-phase models only) to properly protect building's circuit. Select appropriate wire size and current protection to accommodate current requirements as shown on nameplate. Plug in power cable.
- Clear all personnel from machine area. Ensure machine is clean and no tools, rags, or debris have been left on or near cutters or drive mechanism.
- Turn building service drop power on. Check voltage at installed receptacle.
- Ensure area is clear. Turn key switch to the ON position. Jog reverse. Check for proper motor rotation. If running in reverse, unplug power cable. Check that power is OFF with voltage meter at panel. Remove any two power wires from the motor starter, reverse them, and reconnect.
- Clear area, turn on power and recheck motor rotation.
- Electrical installation is complete.
- Replace all guards.

NAMEPLATE - LOG YOUR SHREDDER SPECIFICS HERE

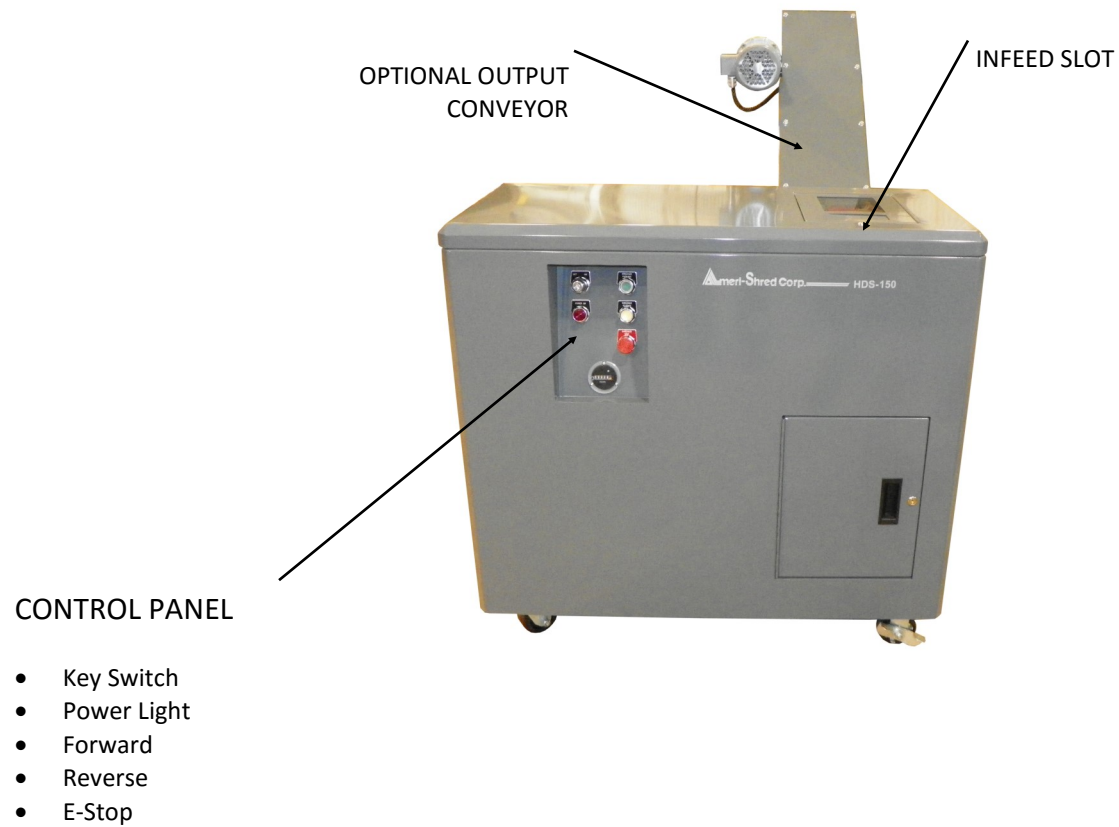
MODEL NO. _____		_____ HORSEPOWER
SERIAL NUMBER _____		_____ JOB NUMBER
_____ VOLTAGE	_____ PHASE	_____ CYCLE A.C.
_____ AMPS	SERVICE DEPARTMENT: 888.270.6879	

SAFETY WARNINGS

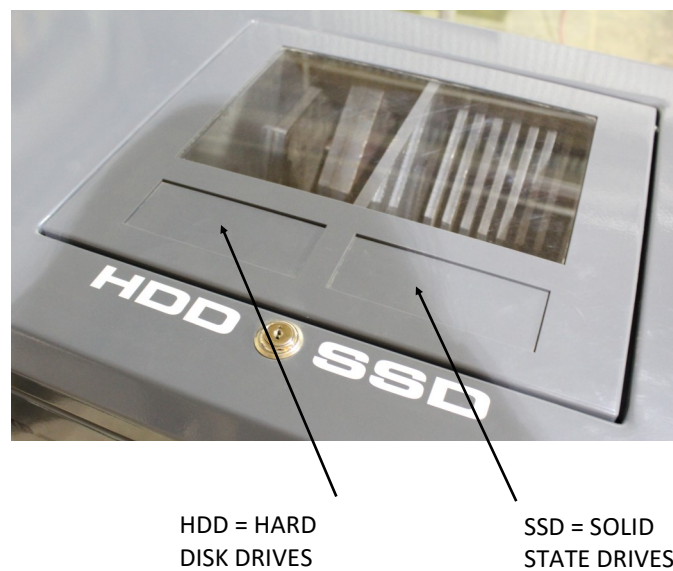
Read and understand instruction manual and be aware of all warning stickers.

- Make sure that **ALL** guards and access panels are in place at all times, **EXCEPT** when the power is locked off for maintenance work or cleaning.
- **ALWAYS** know where emergency stop buttons are located.
- **ALWAYS** know, or have quick access to, emergency phone numbers.
- **ALWAYS** ensure that **ALL** maintenance and operating personnel read and understand this manual.
- **ALWAYS** have a standard break-in time for a new operator. A minimum of two hours suggested.
- **ALWAYS** wear safety glasses when operating shredder.
- **ALWAYS** “lock out” power at the disconnect when shredder is not in use, when servicing shredder, or when performing routine shredder maintenance—including cleaning.
- **ALWAYS** use correct cutting chamber and **ALWAYS** use only one at a time.
- **NEVER** operate this or any other machine while under the influence of drugs, alcohol, or medications.
- **NEVER** wear loose fitting clothing, ties, or jewelry while in the vicinity of this shredder.
- **NEVER** allow long hair to be worn in the vicinity of the machine without use of a protective hair net.
- **NEVER** place any part of your body in or on any part of this machine while in operation.
- **NEVER** allow tools, rags, lunch pails, or debris to be placed on the input conveyor or on top of the machine.
- **NEVER** change machine direction without first allowing machine to come to a complete stop.
- **NEVER** allow other personnel within ten feet of this machine while in operation.
- **NEVER** remove guards, perform maintenance, or clear jam-up debris without first locking out power disconnect.
- **NEVER** allow horseplay around machine.
- **NEVER** remove debris from cutter heads while power is on.
- **NEVER** attempt to remove debris from input chute after material has begun to move toward cutter head.
- **NEVER** hold forward button in the depressed position.

SHREDDER OPERATION



DUAL INFEED SLOTS: HD-SSD MODELS



SHREDDER DIFFERENCES - HD, SSD & HD-SSD MODELS

HD models have 1.5" or 3/4" wide cutters. They can shred solid state drives, but not to a secure particle size.

SSD models have 3/8" wide cutters. They cannot shred hard disc drives, which require much wider cutters.

HD-SSD models use two separate cutter heads to allow you to destroy both magnetic hard drives as well as electronic media in the same shredder. Use the HDD side for hard disc drives and the SSD side for solid state drives, CD's, flash drives, floppy discs, etc.



WARNING: It is extremely important that rotational hard drives are shred ONLY on the HDD side. Shredding or attempting to use the SSD side will likely result in cutter damage and will void the warranty. Only one feed slot can be used at a time.

PRE-START UP PROCEDURE

PRE-START UP PROCEDURE

- Familiarize yourself with all controls and button locations.
- Ensure that all guards and covers are in place.
- Ensure the area is clean.
- Check input area for debris, discarded tools, etc.

START UP PROCEDURE

START UP

Plug power cable into installed receptacle. Turn key switch ON. Depress momentarily the FORWARD pushbutton. Cutters will begin to rotate and the output conveyor will begin to run forward.

To stop machine at any time depress the red STOP pushbutton. For emergency situations the STOP pushbutton may be depressed at any time. For normal stop situations, wait for input chute to empty itself of all shredded material before depressing STOP button.

Begin feeding drives one at a time by dropping them into the infeed slot. It is recommended that during the familiarizing period the operator should proceed slowly. After several hours experience the operator may wish to increase the speed and frequency at which they feed the drives. The operator will soon be able to judge the efficiency of the operation and feed material accordingly. It is nearly inevitable that during this learning process the machine will jam. A jam condition will automatically turn off the machine just as if the operator had depressed the STOP button. This is normal.

SERVER DRIVE JAM WARNING

MATERIAL TESTED:

1" Hard Drives: One per feed approximately every 20 seconds

Notebook Drive: Three per feed approximately every 20 seconds

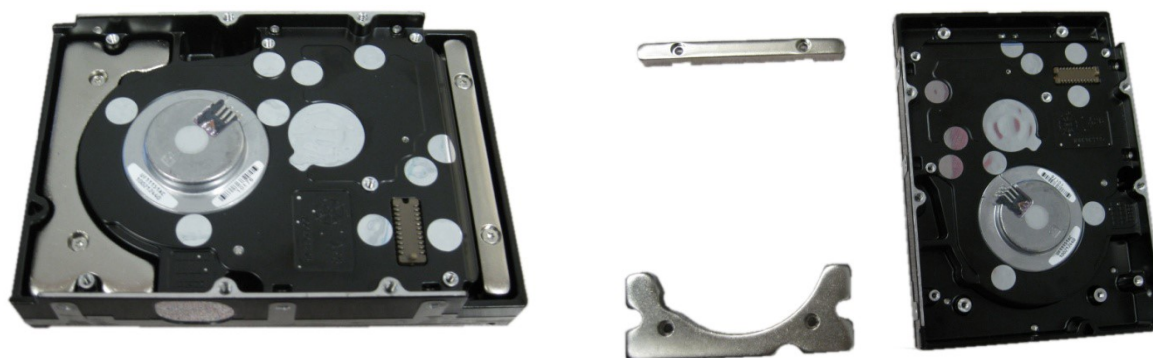
DLT Tapes: One per feed approximately every 20 seconds

WARNING - UNLIKE SOLID STATE, SOME ROTATIONAL HARD DRIVES ARE CONSTRUCTED IN A WAY THAT MAY WARRANT EXTRA ATTENTION.

Listed below are some 1" Hard Drives that may cause jamming.

Drives that have thick steel parts. These steel parts may need to be removed prior to shredding in order to prevent jamming.

REMINDER: Use HDD side only on HD-SSD models.



Drives with multiple steel plates covering platters.

These plates may need to be removed prior to shredding to prevent jamming.



CLEARING A JAM

Should a jam occur, the machine will turn itself off. Ensure that all personnel are clear of both the input chute and the cutter head.

Momentarily depress the yellow REVERSE pushbutton. This will cause the cutters to run backwards for as long as the REVERSE pushbutton remains depressed.

Release the REVERSE pushbutton. The machine will come to a stop. After the machine has completely stopped, press the FORWARD button and retry to shred material. Repeat up to one more time.

If machine jams again, reverse shredder, **Lock Out Power**, unlock the cutter-head access door and manually remove offending material. **Do not attempt to re-shred this material without disassembling it first.** Restart machine in the forward direction to resume operation.

NEVER hold the forward button in the depressed position, as damage to the machine and the electrical system could occur.

NEVER force the shredder to shred something that is too large or dense for its horsepower. Indicators include, but are not limited to, repeated jamming, an inappropriate sound, smell, shaking, etc. **This can result in shredder damage and void the warranty.** Instead, stop shredding immediately and set the media aside for a different means of destruction.

SHUT DOWN PROCEDURE

- Allow input chute and output conveyor, if provided, to clear all material before shut down.
- Depress red STOP pushbutton. Remove power cable from receptacle.
- Clean any remaining debris from the machine and from the immediate area.
- Clear any shredded debris from cutter area.

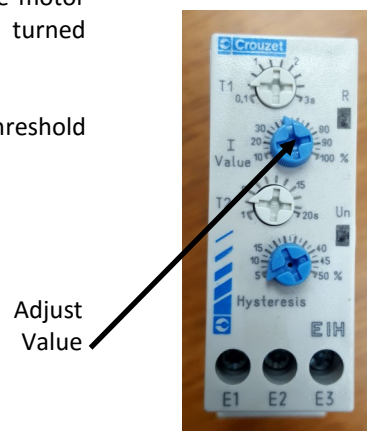
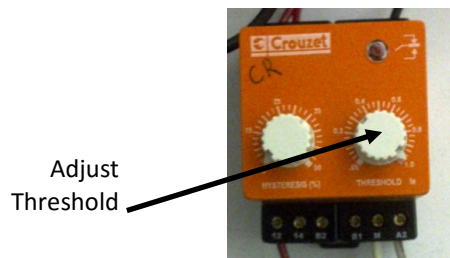
CURRENT RELAY ADJUSTMENT

NOTE: Press the STOP button before making any changes to the current relay and unplug the machine.

Adjusting the knob clockwise will increase the amount of current the machine can draw before jamming. Adjustments need to be made in small increments, one line at a time.

If the shredder no longer shuts down during a jam but you hear the motor humming, then the threshold/value knob needs to be turned counterclockwise so that the shredder stops prior to a jam.

You will have one of the two current relay's shown here. Adjust the threshold knob on the orange one and the value knob on the white.



TROUBLE SHOOTING

“WARNING”

LOCK OUT POWER before performing any cleaning, oiling, maintenance, or trouble shooting.

PROBLEM	POSSIBLE CAUSE	REMEDY
Machine will not turn off using STOP buttons.	Defective STOP button.	Check continuity (N.C.) If bad, replace.
	Contacts burned together in reversing contactor.	Check each leg of forward side of contactor for continuity. There should be no continuity. If there is, consult factory for replacement part.
Machine will not run in forward or reverse.	If power light is illuminated, proceed to possible cause seven.	
	1) No power.	Check power supply.
	2) Key switch off.	Turn on.
	3) Fuse blown in disconnect.	Remove each fuse and check for continuity. If bad, replace.
	4) Overload tripped in panel.	Reset.
	5) Control transformer fuse blown.	Remove fuse and check for continuity. If bad, replace.
	6) Stop button stuck “in”.	Check buttons.
	7) Loose wire in panel.	Check terminal strip for disconnected or loose wires. Reconnect and tighten loose wires to proper location on strip.
	8) Defective contact block on stop button.	Check block for continuity. If bad, replace.
Motor hums or buzzes, but will not turn in either forward or reverse.	One leg of the 3 phase power is dead (single phasing).	Remove each fuse. Check for continuity in the power supply and disconnect.
	Contacts burned in contactor and not making a connection on one leg.	Consult factory for replacement contactor.
	Defective or damaged motor.	Consult factory for replacement motor.
Overload tripping.	Low voltage.	Check voltage.
	Current relay set too high.	See instructions on previous page.
	Motor overheating.	Check motor cooling fan for objects obstructing air flow.
	Cutter-head is dirty or not lubricated	Clean and lube.
	Defective or damaged motor.	Conduct amperage test. Consult factory for replacement motor.
Machine will not run in forward but will run in reverse.	Defective forward button.	Check contact block for continuity. If bad, replace.
	Disconnected wire on forward button.	Check and reconnect.
	Disconnected wire on current relay.	Check and reconnect.
	Current relay stuck open.	Clean relay. Free up center spool. Check continuity. If bad, consult factory for replacement relay.
Machine will not run in reverse but will run in forward.	Defective reverse button.	Check for continuity. If bad, replace.
	Disconnected wire on reverse button.	Check and reconnect.
	Defective coil in reverse side of contactor.	Consult factory for replacement coil.
Shredding capacity is low.	Cutter-head not lubricated.	Clean and oil cutter-head.
	Low voltage.	Check voltage at power supply.
	Current relay set too low.	See instructions on previous page.

MAINTENANCE - CLEANING

ALWAYS lock off power first.

Daily cleaning (After 8 hours of operation)

- Remove debris that has built up on the cutters and combers using compressed air (maximum 40 psi) or vacuum.
- Use heavy gloves to remove magnetic material from cutter-head.
- Visually inspect cutters for damage.
- Replace all guards.

Weekly cleaning (After each 40 hours of operation)

- Repeat all daily cleaning steps.
- Remove debris buildup from base.
- Wipe entire machine clean being careful to observe any evidence of oil leaks. Should leakage be observed, request the attention of the appropriate maintenance personnel.
- Remove all tools, rags, solvents from machine.
- Replace all guards.

MAINTENANCE - LUBRICATION

ALWAYS lock off power first.

Daily lubrication (After 8 hours of operation)

- Apply light machine oil to cutters.

Weekly lubrication (After each 40 hours of operation)

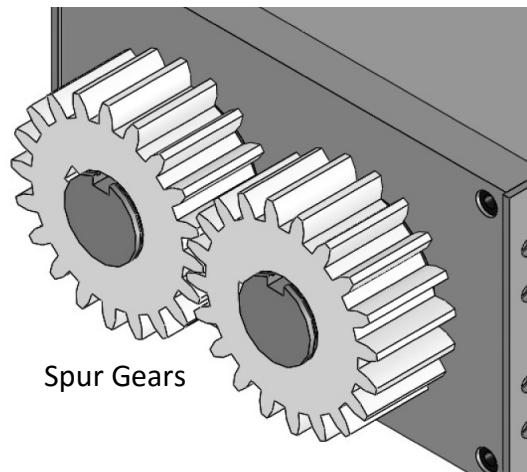
- Repeat steps from daily lubrication.
- Remove guards.
- Apply open gear lube or grease to spur gears.
- Replace all guards.

Monthly lubrication (After each 160 hours of operation)

- Repeat steps from weekly lubrication.
- Remove guards
- Check reducer oil level. DO NOT OVERFILL.
- Grease output conveyor bearings using a multipurpose lithium based grease.
- Replace all guards.

Annual lubrication (After 2080 hours of operation)

- Repeat steps from monthly lubrication.
- Drain oil from reducer.
- Clean magnetic drain plug.
- Replace drain plug and refill to proper level using a high grade petroleum based, rust and oxidation inhibited gear oil.



Spur Gears



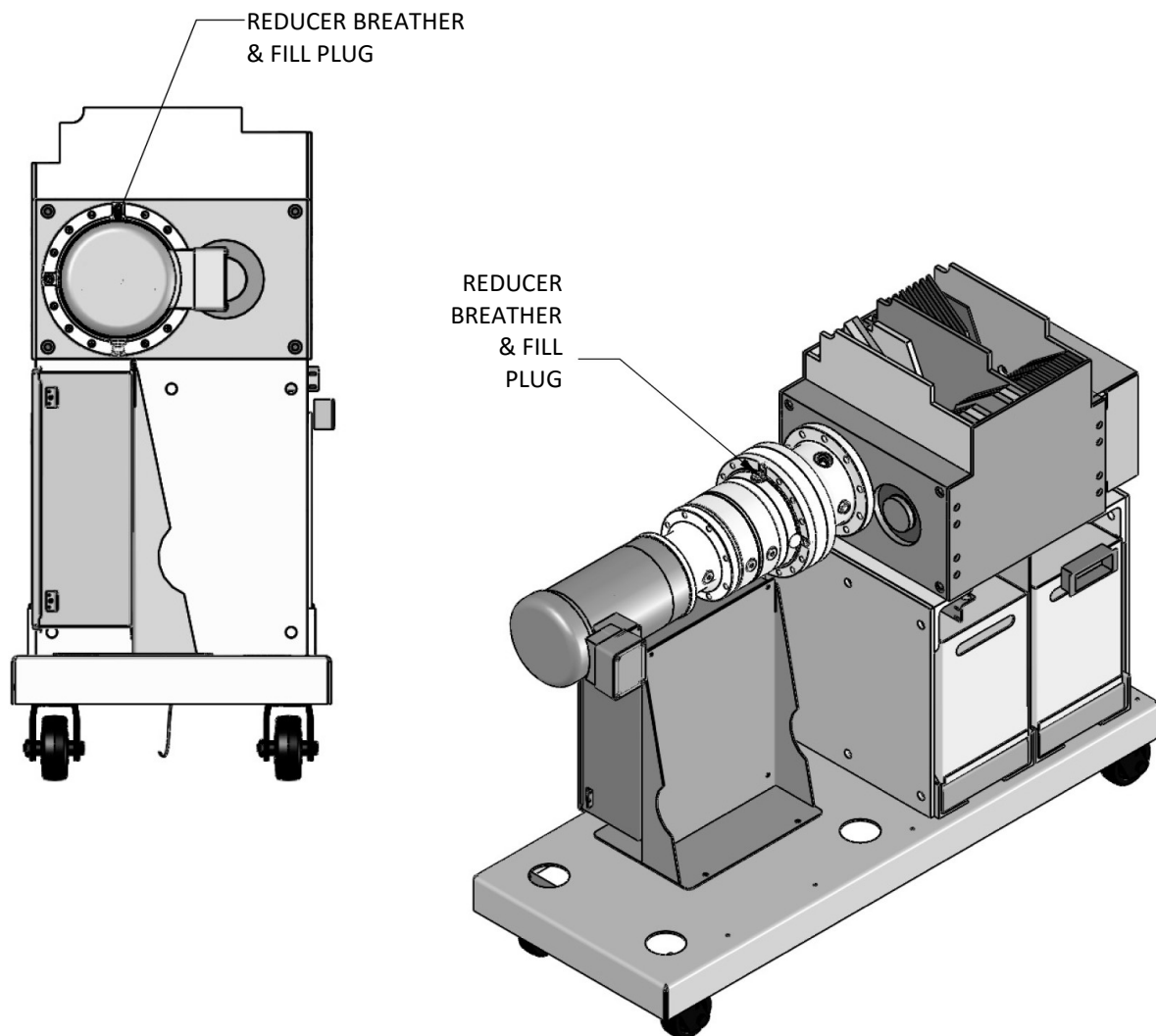
CAUTION:

Too much oil will cause over heating, and too little oil will result in gear failure. Check oil level monthly. Also, under extreme operating conditions, such as rapid rise or fall of temperatures, dust, dirt, chemical particles, chemical fumes, or oil temperatures above 200° F, the oil should be changed every one to three months depending on the severity of conditions.

LUBE SCHEDULE

ITEM	LUBE FREQUENCY	TYPE LUBE
Spur gears	Weekly	Open Gear Lube (Aerosol)
Reducer	Check weekly	Gear Oil: High Grade, Petroleum Based, Rust & Oxidation Inhibited
	Drain and refill yearly (2500 hours)	
Cutters	Every 4 to 8 hours	10W, 20W, 30W Motor Oil
Output conveyor pulley bearings	Monthly	Multipurpose Grease

REDUCER LUBRICATION



MAINTENANCE CHECKLIST - DAILY



Daily Maintenance Checklist for Series 1 Hard Drive Shredder

Date: ____ / ____ / ____

Model Number: _____

Serial Number: _____

Personnel: _____

Hour Meter Reading: _____

WARNING

BEFORE PERFORMING ANY MAINTENANCE OR CLEANING

LOCK OUT—TAG OUT ELECTRICAL POWER

Daily Cleaning

- ☐ Remove any debris that has built up on the cutters and combers. This can be done using compressed air (40 psi max) or vacuum
- ☐ Use heavy duty gloves to dislodge magnetic material from cutters
- ☐ Inspect cutters for damage

Daily Lubrication

- ☐ Inspect wear plates
- ☐ Remove rear guard and lubricate cutters with light machine oil every 4 to 8 hours

MAINTENANCE CHECKLIST - WEEKLY



Weekly Maintenance Checklist for Series 1 Hard Drive Shredder

Date: ____ / ____ / ____

Model Number: _____

Serial Number: _____

Personnel: _____

Hour Meter Reading: _____

WARNING

BEFORE PERFORMING ANY MAINTENANCE OR CLEANING

LOCK OUT—TAG OUT ELECTRICAL POWER

Weekly Cleaning

- ☐ Remove any debris that has built up on the cutters and combers. This can be done using compressed air (40 psi max) or a vacuum.
- ☐ Use heavy duty gloves to dislodge magnetic material from cutters.
- ☐ Inspect cutters for damage.
- ☐ Remove debris buildup from base.
- ☐ Wipe entire machine being careful to observe any evidence of oil leaks. Any leaks should be addressed by appropriate maintenance personnel.

Weekly Lubrication

- ☐ Inspect wear plates.
- ☐ Remove rear guard and lubricate cutters with light machine oil.
- ☐ Apply open gear lube or grease to spur gears.

MAINTENANCE CHECKLIST - MONTHLY



Monthly Maintenance Checklist for Series 1 Hard Drive Shredder

Date: ____ / ____ / ____

Model Number: _____

Serial Number: _____

Personnel: _____

Hour Meter Reading: _____

WARNING

BEFORE PERFORMING ANY MAINTENANCE OR CLEANING

LOCK OUT—TAG OUT ELECTRICAL POWER

Monthly Cleaning

- ☐ Remove any debris that has built up on the cutters and combers. This can be done using compressed air (40 psi max) or a vacuum.
- ☐ Use heavy duty gloves to dislodge magnetic material from cutters.
- ☐ Inspect cutters for damage.
- ☐ Remove debris buildup from base.
- ☐ Wipe entire machine being careful to observe any evidence of oil leaks. Any leaks should be addressed by appropriate maintenance personnel.

Monthly Lubrication

- ☐ Inspect wear plates.
- ☐ Remove rear guard and lubricate cutters with light machine oil.
- ☐ Grease spur gears with multipurpose grease or spray style lubricant.
- ☐ Grease output conveyor bearings using a multipurpose lithium based grease.
- ☐ Check reducer oil level.

MAINTENANCE CHECKLIST - YEARLY



Yearly Maintenance Checklist for Series 1 Hard Drive Shredder

Date: ____ / ____ / ____

Model Number: _____

Serial Number: _____

Personnel: _____

Hour Meter Reading: _____

WARNING

BEFORE PERFORMING ANY MAINTENANCE OR CLEANING

LOCK OUT—TAG OUT ELECTRICAL POWER

Yearly Cleaning

- ☐ Remove any debris that has built up on the cutters and combers. This can be done using compressed air (40 psi max) or a vacuum.
- ☐ Use heavy duty gloves to dislodge magnetic material from cutters.
- ☐ Inspect cutters for damage.
- ☐ Remove debris buildup from base.
- ☐ Wipe entire machine being careful to observe any evidence of oil leaks. Any leaks should be addressed by appropriate maintenance personnel.

Yearly Lubrication

- ☐ Inspect wear plates.
- ☐ Remove rear guard and lubricate cutters with light machine oil.
- ☐ Grease spur gears with multipurpose grease or spray style lubricant.
- ☐ Grease output conveyor bearings using a multipurpose lithium based grease.
- ☐ Drain oil from reducer. Clean magnetic drain plug and replace. Refill reducer to proper level using a high grade petroleum base, rust and oxidation inhibited gear oil.

CONVEYOR BELT ADJUSTMENT

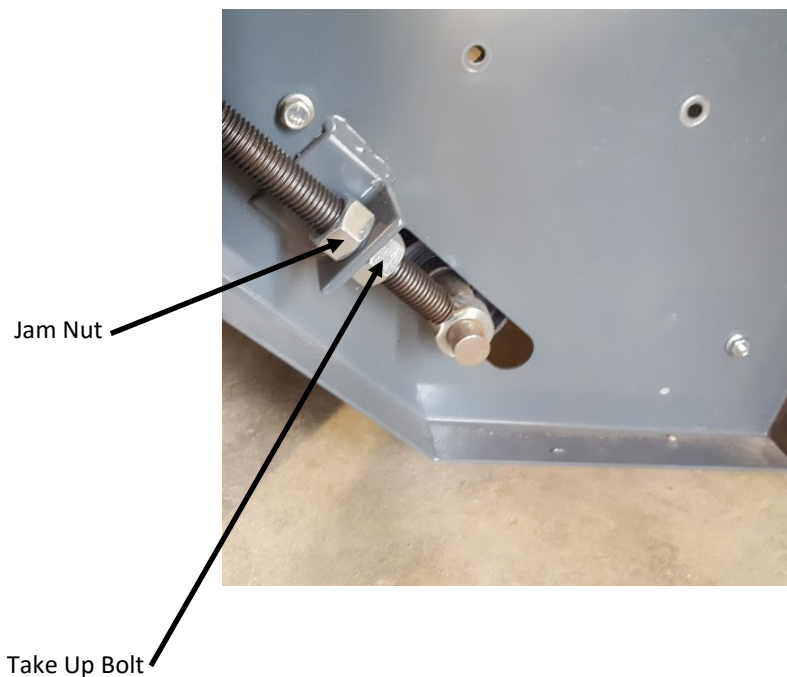
ALIGNMENT AND TENSIONING

- Read all safety warnings (see page 5) before proceeding.
- Lock power off.
- Mark the initial position.
 - By design, the conveyor belt should have 1/16" or less clearance to side frames. This assists in preventing debris from getting under the belt but some side rubbing may be expected. This is normal.
- Loosen jam nuts, each side of machine (see image below).
- Ensure all personnel are clear and that no tools are on machine or input chute.
- Turn power on.
- Run machine in forward.
- Stop machine and turn power off.
- Adjust alignment by tightening take-up bolt on side of conveyor where belt is rubbing side frame. Tighten only one quarter turn at a time.
- Tighten jam nuts.
- Replace all guards.
- Turn power on.
- Run machine in forward for five minutes. If further alignment is required, repeat the above steps.



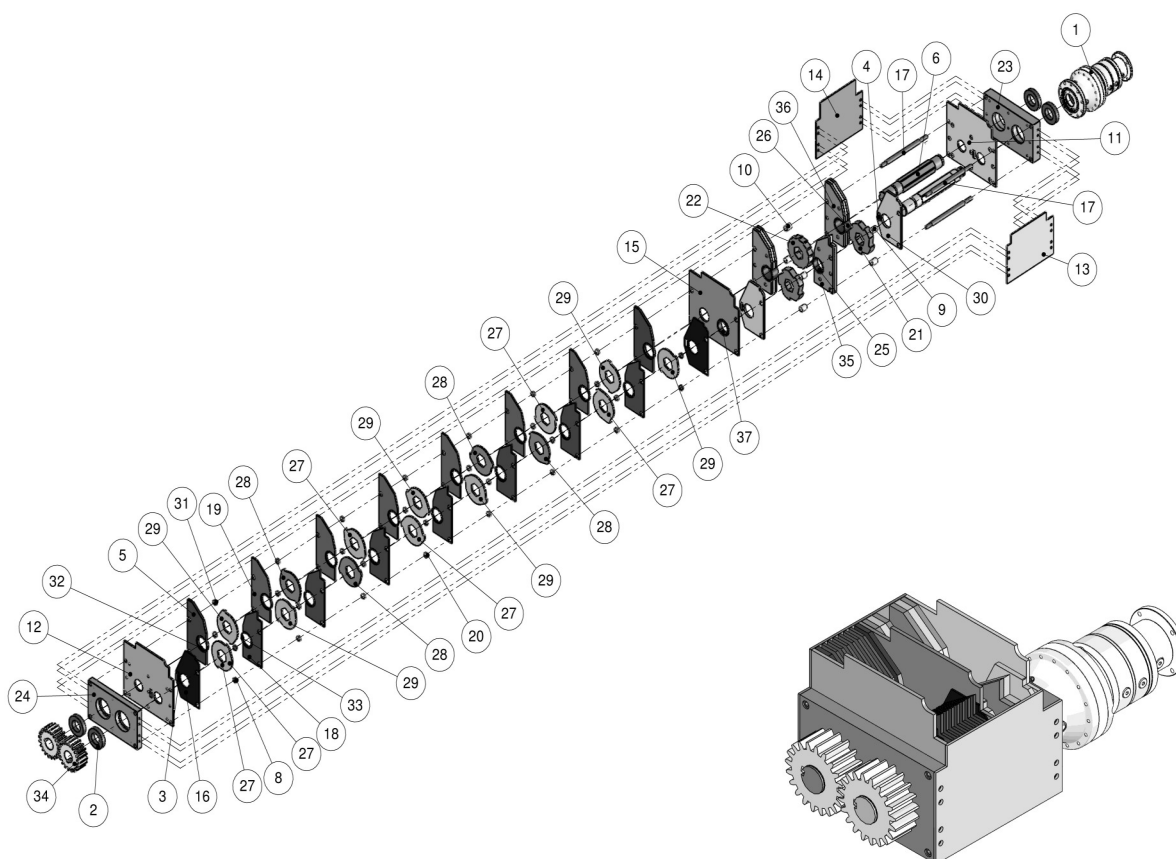
NOTE:

The belt may stretch during the first few days of operation. This will affect alignment since the belt alignment relies in part on proper tensioning for effective tracking.



HD-SSD MODELS

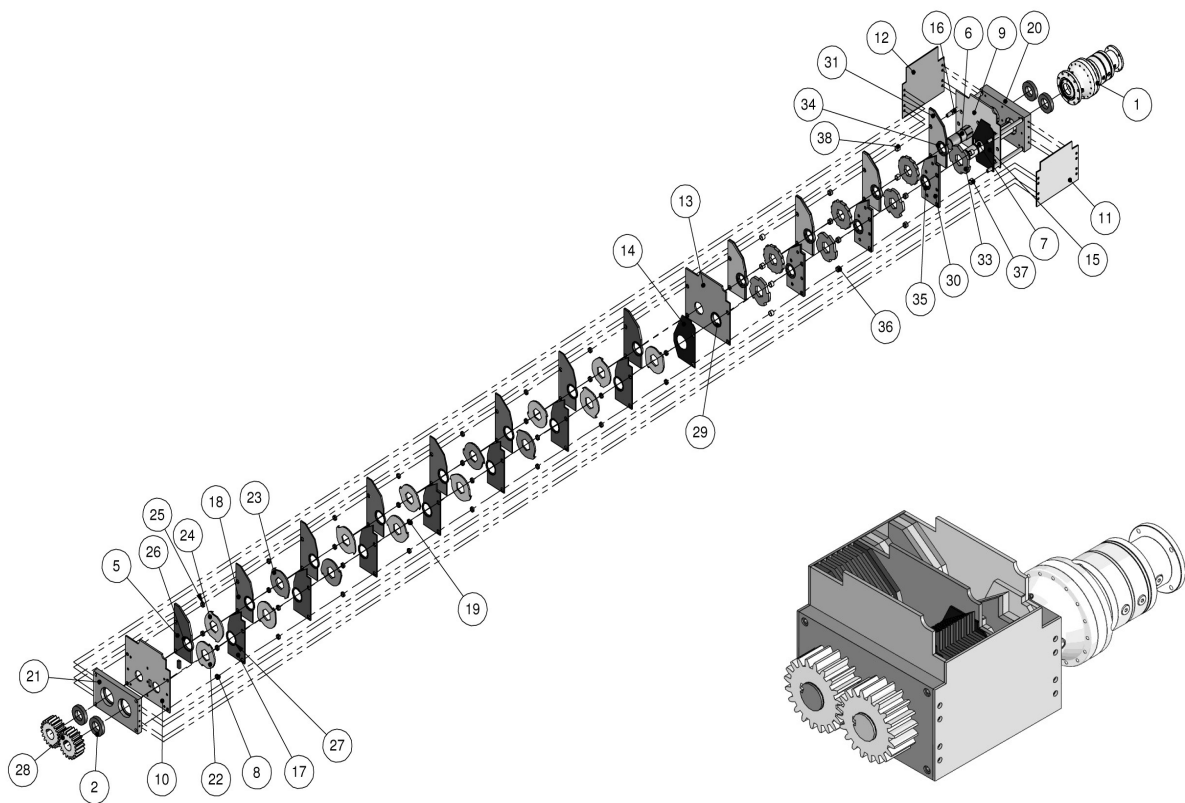
CUTTER HEAD ASSEMBLY - 3/8" & 1-1/2" SHRED WIDTH



ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	1	N/A	GEAR BOX: CONSULT FACTORY	20	22	34575	SSD TIE BAR SPACERS
2	4	111907	BEARING	21	2	33616	DRIVE SHAFT CUTTER
3	1	34592	WEAR BLOCK	22	1	33617	IDLE SHAFT CUTTER
4	1	34591	WEAR BLOCK	23	1	33584	DRIVE BEARING BLOCK
5	2	34590	SSD OUTSIDE COMBER	24	1	33585	IDLER BEARING BLOCK
6	1	34589	IDLER SHAFT	25	1	33587	HD SINGLE SHAFT SPACER
7	1	34588	DRIVE SHAFT	26	2	33663	HD DOUBLE SHAFT SPACER
8	4	34586	SSD TIE BAR OUTSIDE SPACER DRIVE SIDE	27	5	34267	SSD CUTTER STYLE 1
9	4	34584	HD TIE BAR SPACER DRIVE SIDE	28	4	34268	SSD CUTTER STYLE 2
10	2	35483	HD TIE BAR SPACER IDLER SIDE	29	6	34269	SSD CUTTER STYLE 3
11	1	34463	SIDE PLATE DRIVE SIDE	30	2	34464	HD OUTER COMBER
12	1	34462	SIDE PLATE SPUR GEAR SIDE	31	4	34272	SSD OUTSIDE TIE BAR SPACERS IDLER SIDE
13	1	34582	END PLATE REDUCER SIDE	32	2	34275	SSD OUTSIDE SHAFT SPACER
14	1	34581	END PLATE IDLER SIDE	33	13	34276	SSD SHAFT SPACER
15	1	34580	DIVIDER SIDE PLATE	34	2	110016	SPUR GEAR
16	2	34579	SSD OUTSIDE COMBER	35	1	34460	HD SINGLE COMBER
17	4	34578	COMBER TIE BARS	36	2	34459	HD DOUBLE COMBER
18	7	34576	SSD REDUCER SIDE COMBER	37	1	34845	DIVIDER SPACER
19	6	34577	SSD IDLER SIDE COMBERS				

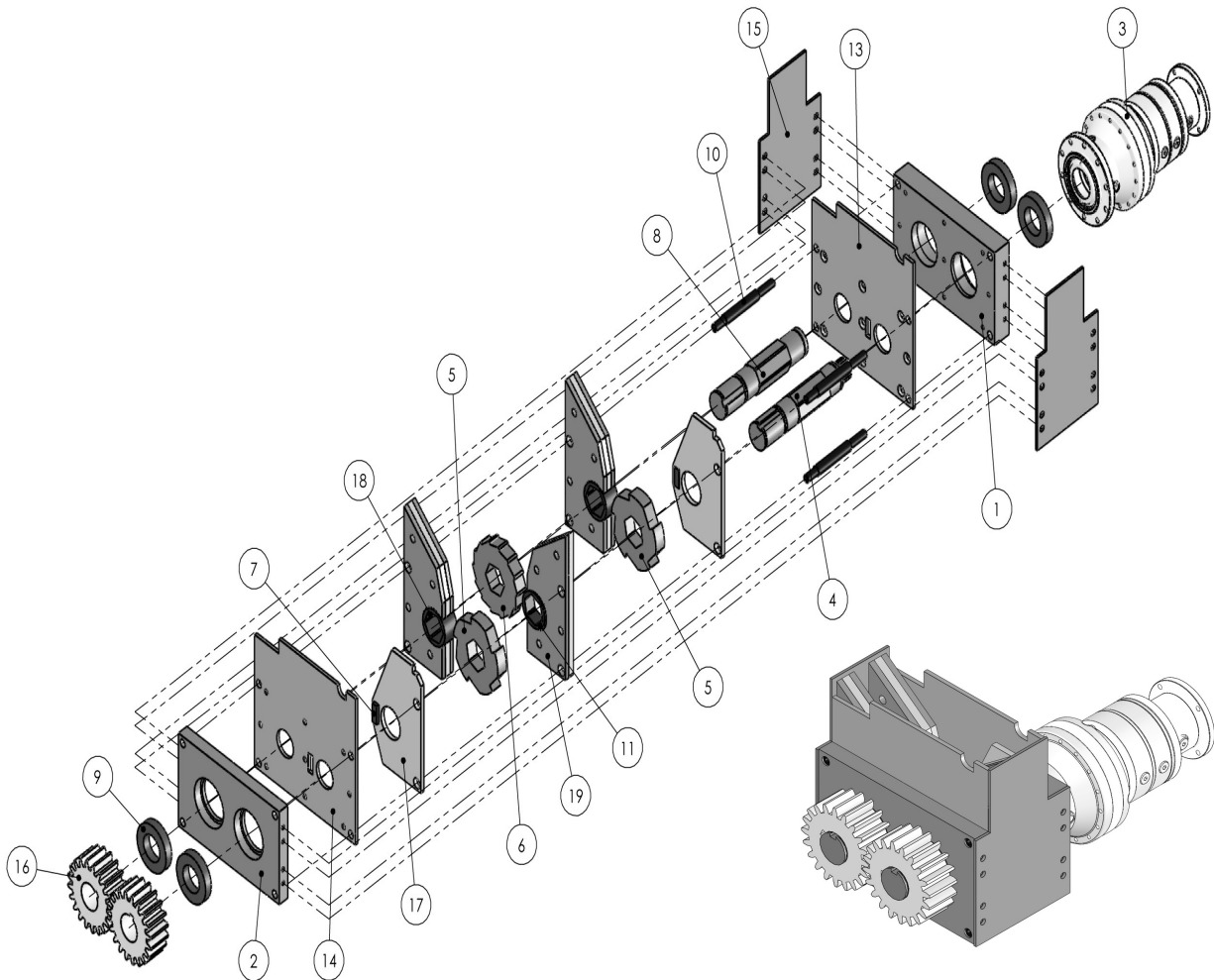
HD-SSD MODELS

CUTTER HEAD ASSEMBLY - 3/8" & 3/4" SHRED WIDTH



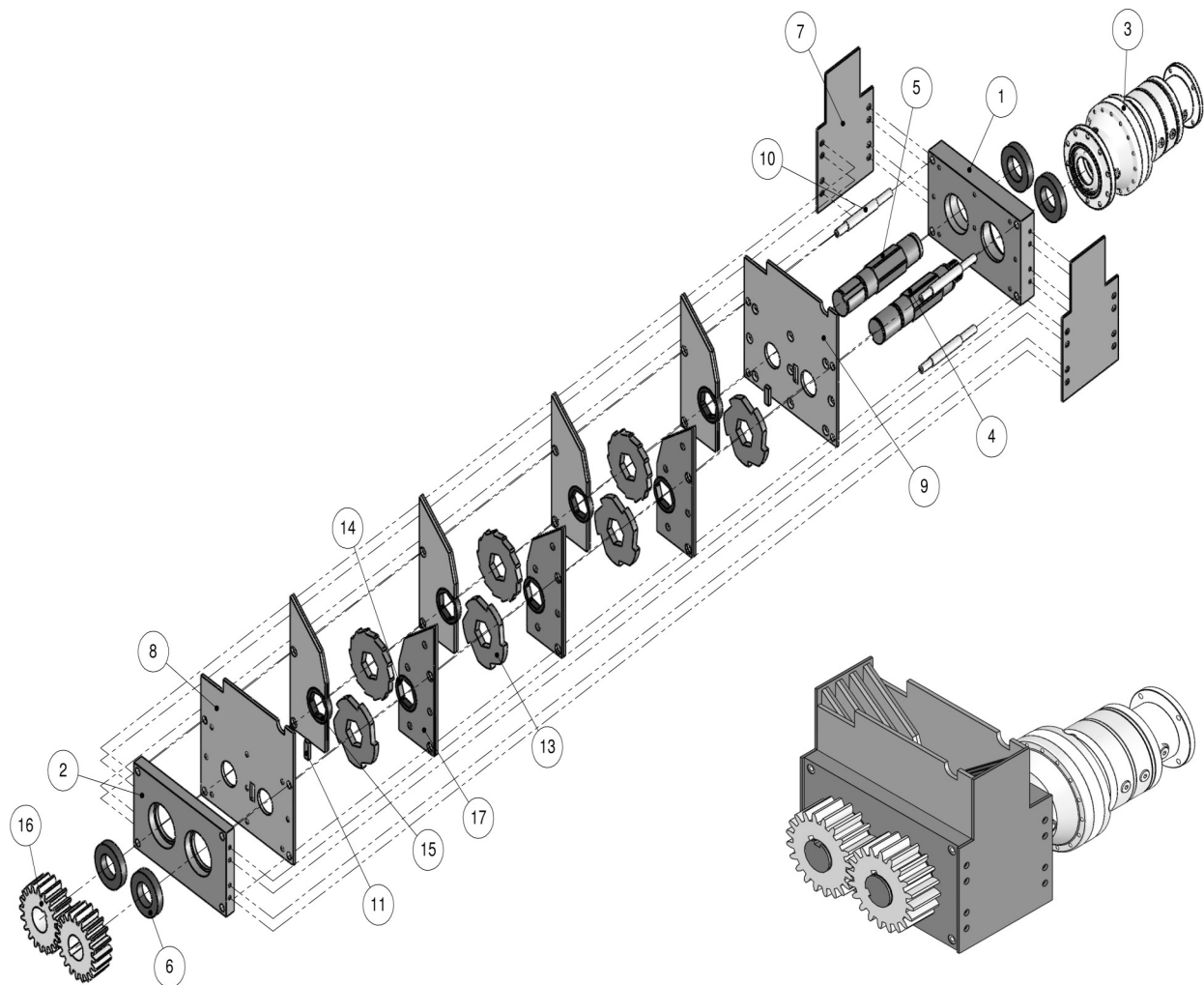
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	1	N/A	GEAR BOX: CONSULT FACTORY	20	1	33584	DRIVER BEARING BLOCK
2	4	111907	BEARING	21	1	33585	IDLE BEARING BLOCK
3	1	34592	WEAR BLOCK	22	5	34267	SSD CUTTER STYLE 1
4	1	34886	WEAR BLOCK	23	4	34268	SSD CUTTER STYLE 2
5	2	34590	SSD OUTSIDE COMBER	24	6	34269	SSD CUTTER STYLE 3
6	1	34589	IDLER SHAFT	25	4	34272	SSD OUTSIDE TIE BAR SPACERS IDLER SIDE
7	1	34588	DRIVE SHAFT	26	2	34275	SSD OUTSIDE SHAFT SPACER
8	4	34586	SSD TIE BAR OUTSIDE SPACER DRIVE SIDE	27	13	34276	SSD SHAFT SPACER
9	1	34463	SIDE PLATE DRIVE SIDE	28	2	110016	SPUR GEAR
10	1	34462	SIDE PLATE SPUR GEAR SIDE	29	1	34887	DIVIDER SHAFT SPACER
11	1	34582	END PLATE REDUCER SIDE	30	3	344580	REAR COMBER
12	1	34581	END PLATE IDLER SIDE	31	4	34457	FRONT COMBER
13	1	34580	DIVIDER SIDE PLATE	32	3	33617	IDLER SHAFT CUTTER
14	1	34872	SPACER PASS THRU COMBER	33	4	33616	DRIVE SHAFT CUTTER
15	1	34579	SSD OUTSIDE COMBER	34	2	33663	HD DOUBLE SHAFT SPACER
16	4	34578	COMBER TIE BARS	35	5	33587	HD SINGLE SHAFT SPACER
17	7	34576	SSD REDUCER SIDE COMBERS	36	6	34983	TIE BAR SPACER
18	6	34577	SSD IDLER SIDE COMBERS	37	4	34984	TIE BAR SPACER
19	22	34575	SSD TIE BAR SPACERS	38	4	34985	TIE BAR SPACER

HD MODELS CUTTER HEAD ASSEMBLY - 1-1/2" SHRED WIDTH



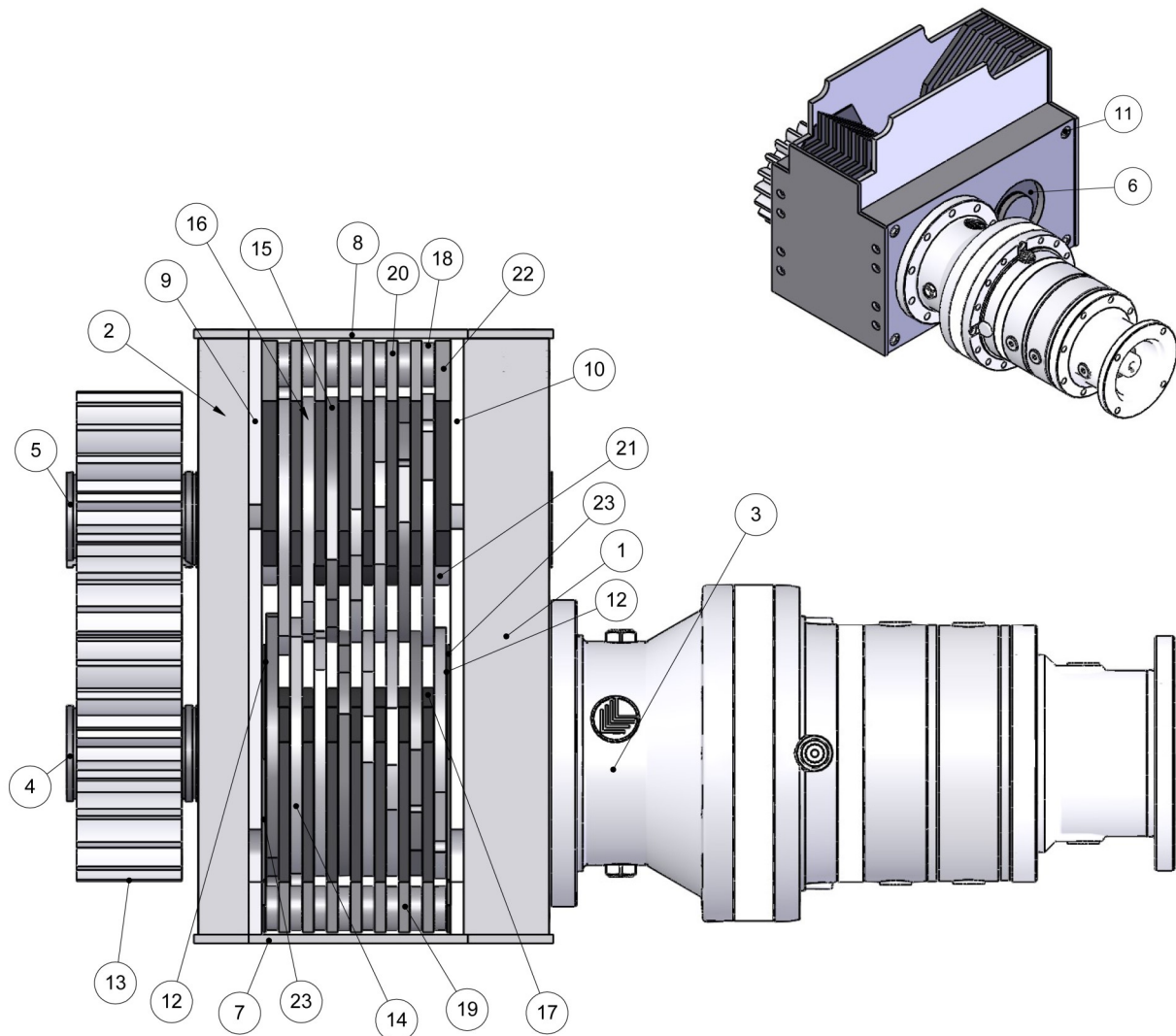
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	1	33584	DRIVE BEARING BLOCK	11	1	33587	SPACER
2	1	33585	IDLE BEARING BLOCK	12	2	33663	SPACER
3	1	N/A	REDUCER: CONSULT FACTORY	13	2	33772	SIDE PLATE
4	1	33615	DRIVE SHAFT	14	1	33772	SIDE PLATE
5	2	33616	DRIVE SHAFT CUTTER	15	2	33625	END PLATE
6	1	33617	IDLE SHAFT CUTTER	16	2	110016	SPUR GEAR
7	2	33619	WEAR BLOCK	17	2	34464	WEAR BLOCK COMBER
8	1	33618	IDLER SHAFT	18	2	33740	COMBER WELDMENT
9	4	111907	BEARING	19	1	33739	COMBER WELDMENT
10	4	33620	COMBER TIE BARS				

HD MODELS CUTTER HEAD ASSEMBLY - 3/4" SHRED WIDTH



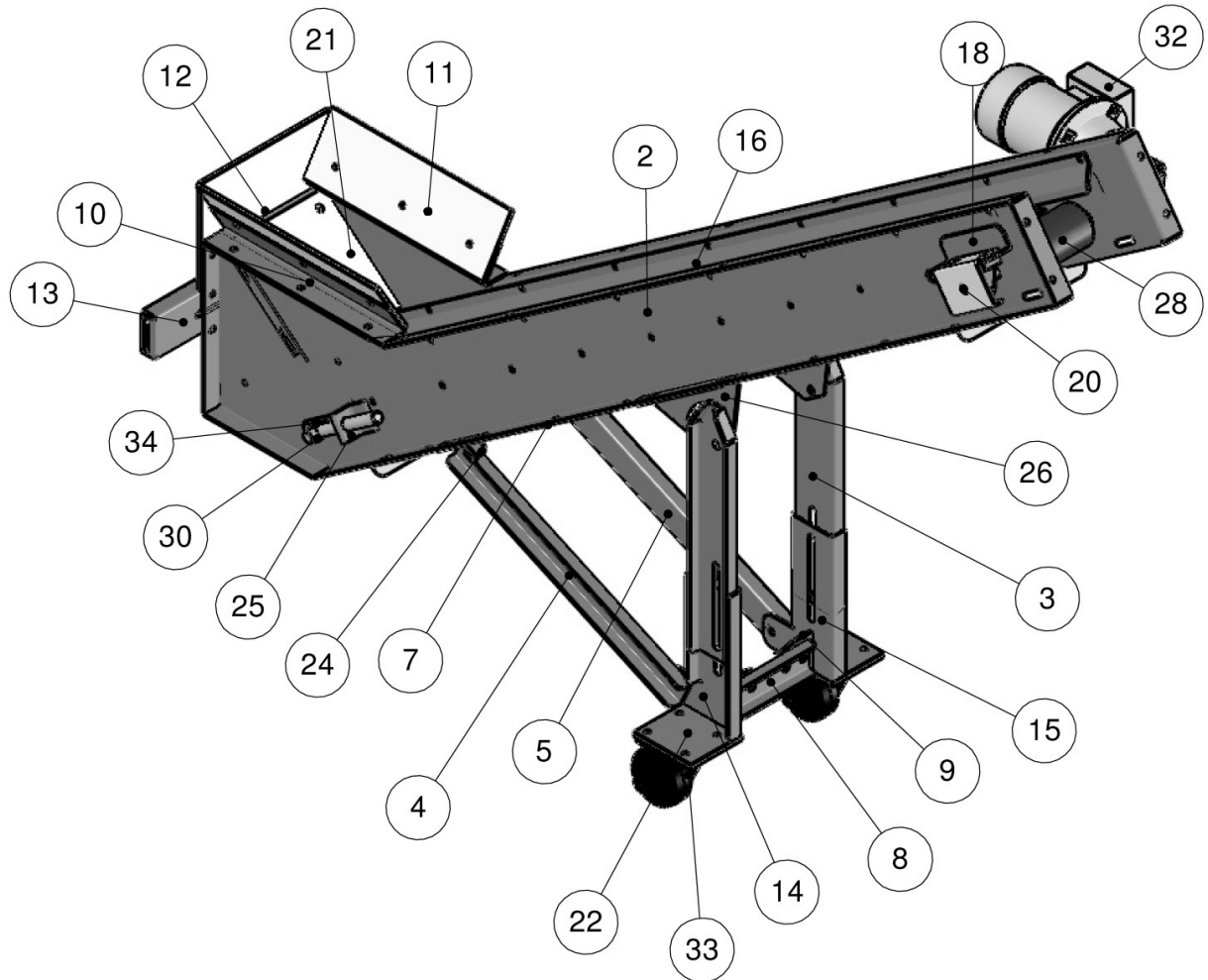
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	1	33584	DRIVE BEARING BLOCK	10	4	33620-.75	COMBER TIE BARS
2	1	33585	IDLE BEARING BLOCK	11	2	33619-.75	WEAR BLOCK
3	1	N/A	REDUCER: CONSULT FACTORY	12	3	33617-.75	IDLE SHAFT CUTTER
4	1	33615	DRIVE SHAFT	13	4	33616-.75	DRIVE SHAFT CUTTER
5	1	33618	IDLER SHAFT	14	5	33616-.75	SHAFT HEX SPACER
6	4	111907	BEARING	15	2	33663-.75	SHAFT HEX SPACER
7	2	33625	END PLATE	16	2	110016	SPUR GEAR
8	1	33772	SIDE PLATE	17	7	33925	COMBER WELDMENT
9	1	33772	SIDE PLATE OPTIONAL				

SSD MODELS CUTTER HEAD ASSEMBLY - 3/8" SHRED WIDTH



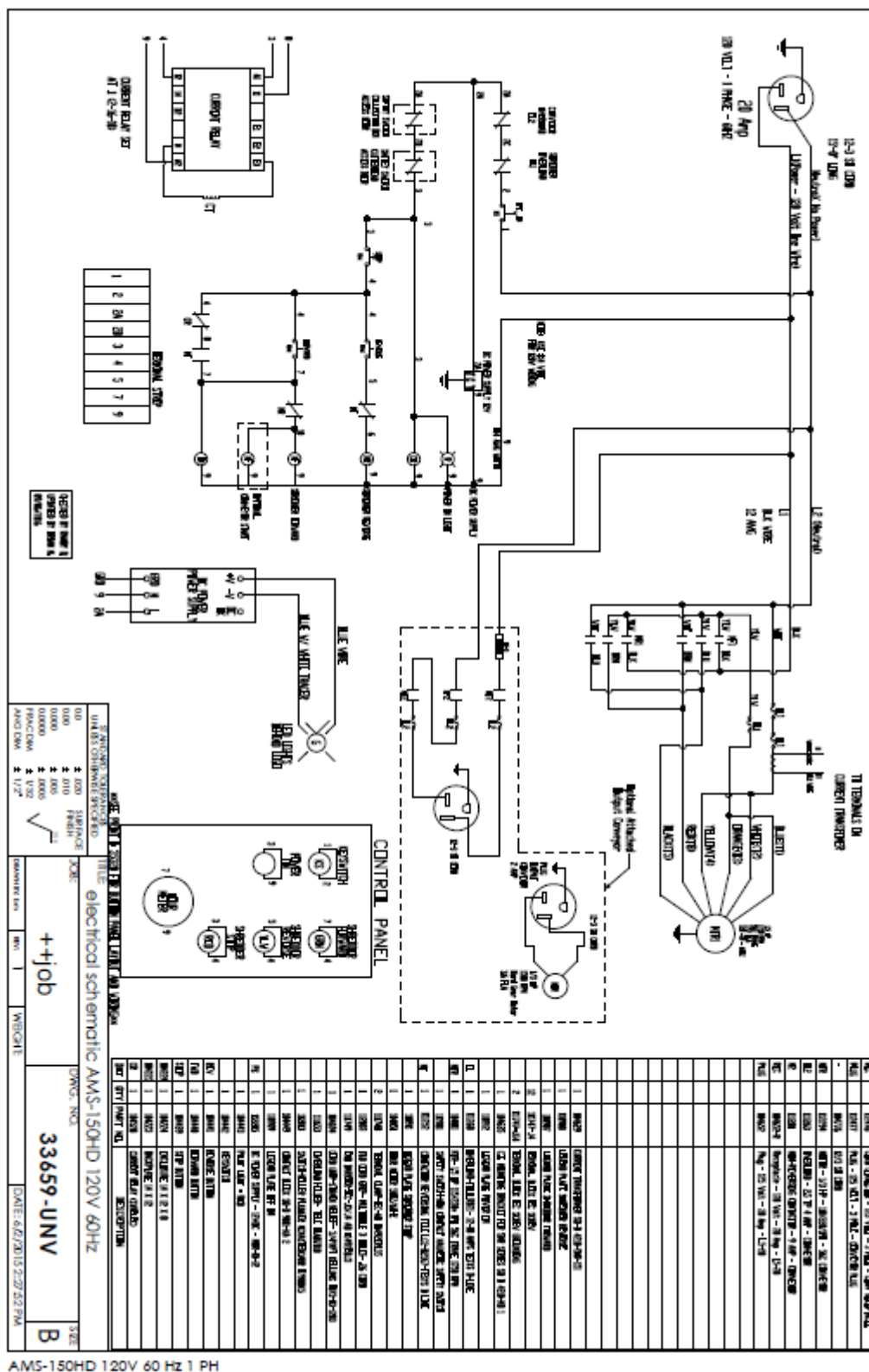
ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	1	33584	DRIVE BEARING BLOCK	13	2	-	SPUR GEAR
2	1	33585	IDLE BEARING BLOCK	14	6	34267	CUTTER STYLE 1
3	1	N/A	REDUCER: CONSULT FACTORY	15	5	34268	CUTTER STYLE 2
4	1	33615	DRIVE SHAFT	16	4	34269	CUTTER STYLE 3
5	1	33618	IDLER SHAFT	17	13	34276	INSIDE SHAFT SPACER
6	4	111907	BEARING	18	30	34575	INSIDE TIE BAR SPACER
7	1	34449	CUTTERHEAD END PLATE REAR	19	7	34576	REAR COMBER
8	1	34448	CUTTERHEAD END PLATE FRONT	20	6	34577	FRONT COMBER
9	1	34462	SIDE PLATE SPUR GEAR SIDE	21	2	34513	OUTSIDE SHAFT SPACER
10	1	34463	SIDE PLATE DRIVE SIDE	22	2	34498	OUTSIDE COMBER
11	4	33620	TIE BARS	23	2	33598	WEAR BLOCK COMBER
12	2	34514	WEAR BLOCKS				

OUTPUT CONVEYOR (OPTIONAL)

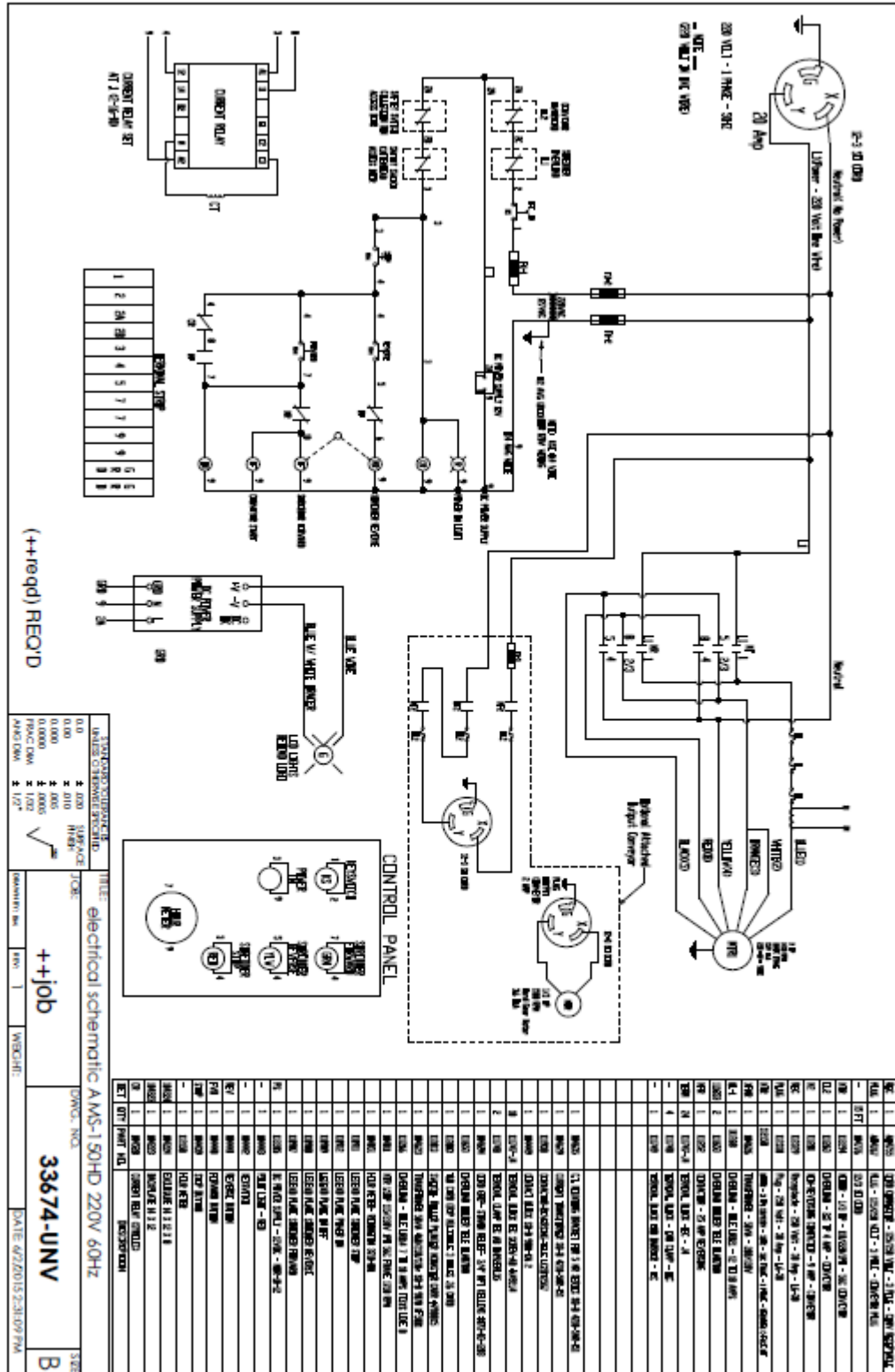


ITEM	QTY	PART #	DESCRIPTION	ITEM	QTY	PART #	DESCRIPTION
1	1	34857 OPP	CONVEYOR SIDE FRAME OPP	18	1	33893 OPP	BEARING MOUNT ANGLE
2	1	34857	CONVEYOR SIDE FRAME	19	1	33893	BEARING MOUNT ANGLE
3	2	34858	CONVEYOR LEG	20	1	33975	DRIVE SHAFT GUARD
4	1	34859	CROSSMEMBER	21	1	33911	END GUARD UHMW COVER
5	1	34589 OPP	CROSSMEMBER OPP	22	2	30433	CASTER PAD
6	1	34860	CONVEYOR BED	23	1	33904	END GUARD
7	1	34861	BOTTOM GUARD	24	2	20254	PIVOT BRACKET
8	1	33909	FOOT CROSSMEMBER	25	2	15294	TAKE UP ANGLE
9	2	33910	FOOT CROSSMEMBER MOUNT	26	2	33906	LEG MOUNT BRACKET
10	2	34862	SIDE SLIDE HOLDER BRACKET	27	1	12047	DRIVE SHAFT
11	2	34863	ANGLED SIDE SLIDE	28	1	112046	DRIVE PULLEY
12	1	34864	VERTICAL END GUARD	29	1	112044	TAIL PULLEY
13	1	34865	CONVEYOR MOUNT BRACKET	30	1	112045	TAIL SHAFT
14	1	33905 OPP	FOOT OPPOSITE	31	2	112078	PILLOWBLOCK BEARINGS
15	1	33905	FOOT	32	1	-	GEAR MOTOR
16	1	34866	BELT SIDE GUIDE	33	2	S-WW-4P	CASTERS
17	1	34866 OPP	BELT SIDE GUIDE OPP	34	2	10056	TAKE UP WELDMENT

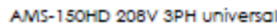
Service Department: 888.270.6879



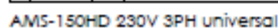
ELECTRICAL DIAGRAM - 1.5 HP MODELS, 220V - 1 PHASE



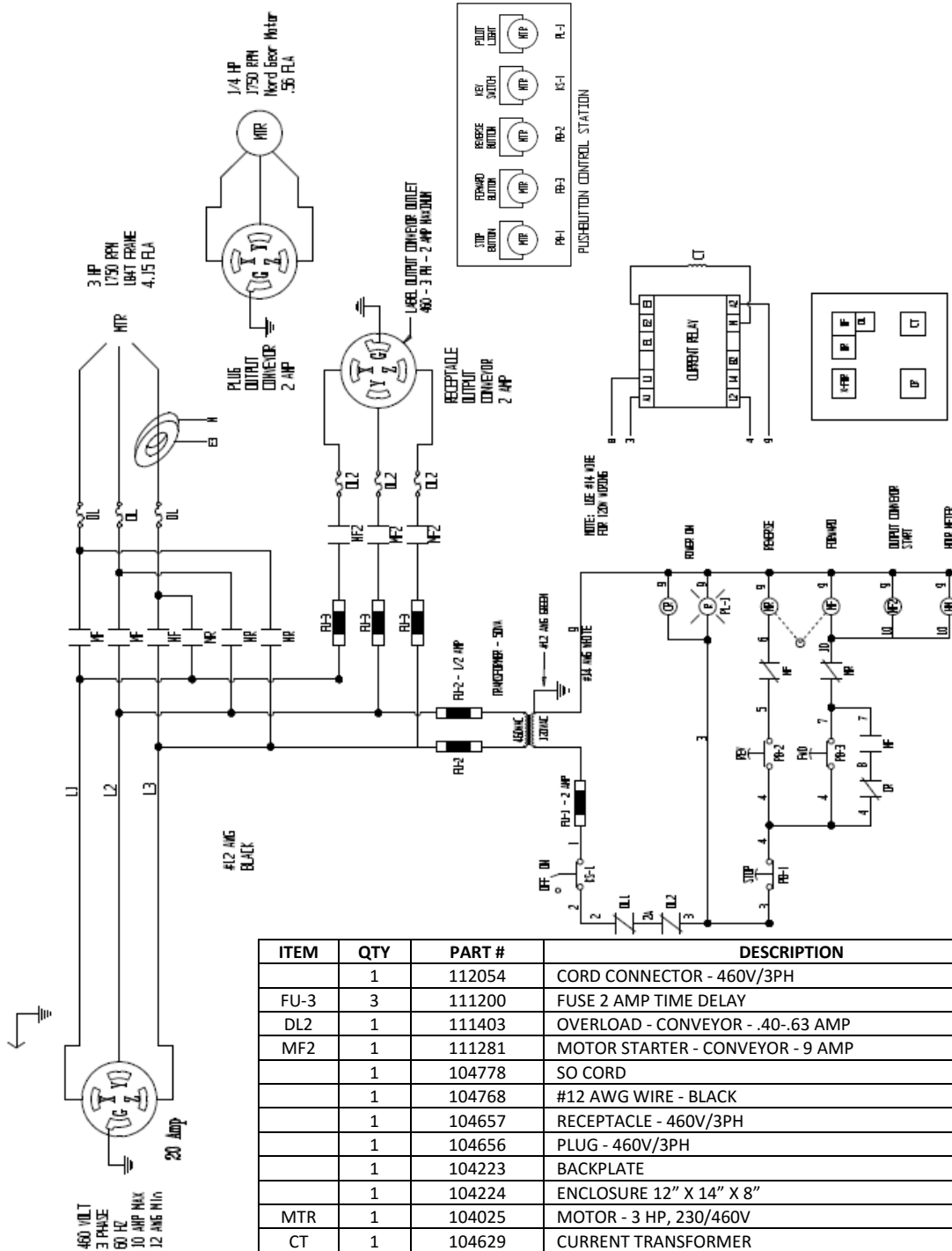
ELECTRICAL DIAGRAM - 1.5 HP MODELS, 208V - 3 PHASE



ELECTRICAL DIAGRAM - 1.5 HP MODELS, 230V - 3 PHASE



ELECTRICAL DIAGRAM - 1.5 HP MODELS, 460V - 3 PHASE



ITEM	QTY	PART #	DESCRIPTION
	1	112054	CORD CONNECTOR - 460V/3PH
FU-3	3	111200	FUSE 2 AMP TIME DELAY
DL2	1	111403	OVERLOAD - CONVEYOR - .40-.63 AMP
MF2	1	111281	MOTOR STARTER - CONVEYOR - 9 AMP
	1	104778	SO CORD
	1	104768	#12 AWG WIRE - BLACK
	1	104657	RECEPTACLE - 460V/3PH
	1	104656	PLUG - 460V/3PH
	1	104223	BACKPLATE
	1	104224	ENCLOSURE 12" X 14" X 8"
MTR	1	104025	MOTOR - 3 HP, 230/460V
CT	1	104629	CURRENT TRANSFORMER
FU-2	2	111218	FUSE - 1/2 AMP
FU-1	1	111136	FUSE - 2 AMP
CR	1	104528	CURRENT RELAY
OL-1	1	111264	OVERLOAD - 4-6 AMPS
TRANS	1	104623	TRANSFORMER
MFR	1	111251	MOTOR STARTER - 18 AMP
PB-3	1	104440	FORWARD BUTTON
PB-2	1	104441	REVERSE BUTTON
PB-1	1	104449	STOP BUTTON
PL-1	1	104443	PILOT LIGHT
KS-1	1	104442	KEYSWITCH

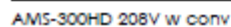
Service Department: 888.270.6879

NOTE: MUST BE PROTECTED BY A MAXIMUM 4 AMP TIME DELAY FUSE OR 15 AMP BREAKER

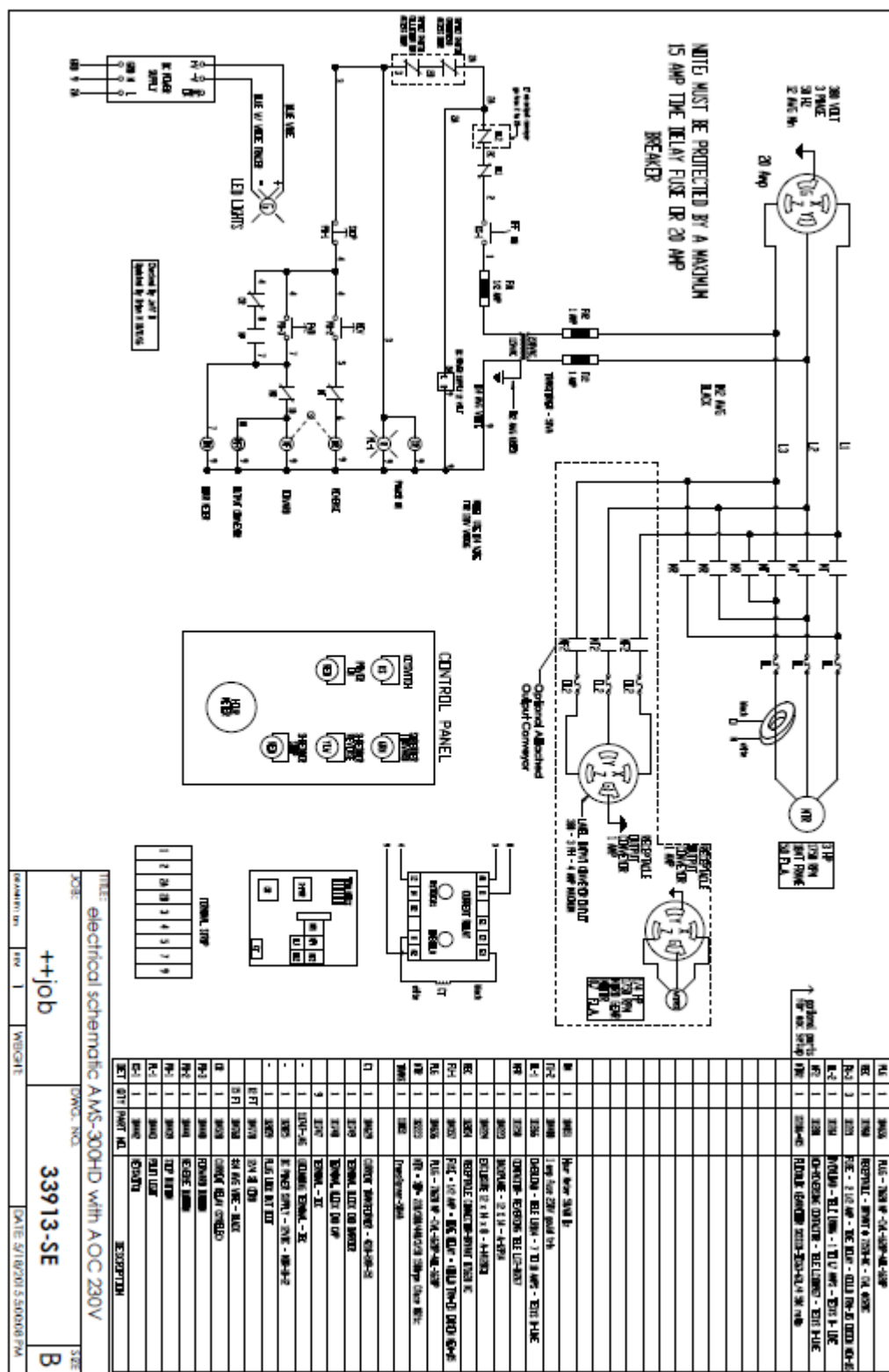
COMPONENTS:

- MS: 150V 575V 3P
- F1, F2, F3: 4A 15A 15A
- CP: CONTROL PANEL
- TR: THERMAL RELAY
- SB: STOP BUTTON
- SB: START BUTTON
- MTB: MOTOR TERMINAL BLOCK
- MCU: MOTOR CONTROL UNIT
- PTB: PUMP TERMINAL BLOCK
- PCU: PUMP CONTROL UNIT
- GND: GROUND
- N: NEUTRAL

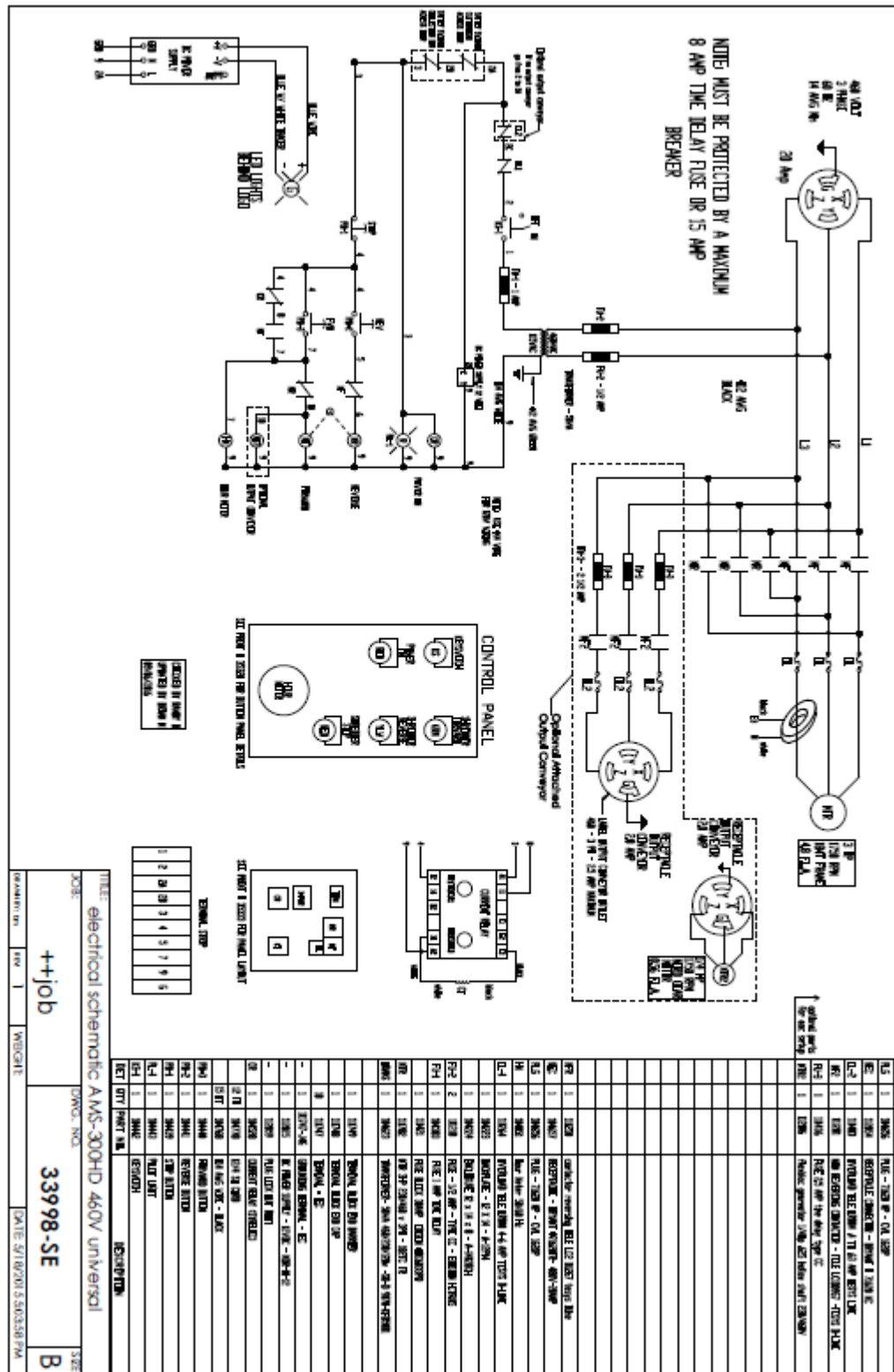
Service Department: 888.270.6879



ELECTRICAL DIAGRAM - 3 HP MODELS, 230V - 3 PHASE



ELECTRICAL DIAGRAM - 3 HP MODELS, 460V - 3 PHASE



Service Department: 888.270.6879





3490 US 23 N
Alpena, MI 49707
Toll Free: 800-634-8981
Phone: 989-358-6121
Fax: 989-358-6122
info@ameri-shred.com
www.ameri-shred.com