

Corn Cracker

10" Swing Auger Hammer Mill



Owner's Manual

LANCK24566

270 West Park Avenue
Huron, SD 57350
866-526-5682

LANKOTA®

WARNING

Read and understand this manual prior to operating this equipment. Failure to follow these instructions could result in personal injury, damage to the equipment or property, or even death.



- NEVER operate the corn cracker while personnel are in close proximity to the equipment.
- NEVER operate machinery under the influence of drugs or alcohol.
- ALWAYS shut off the PTO and tractor before working on or cleaning the corn cracker.
- ALWAYS follow all safety warnings and stickers.
- Keep equipment in good and maintained working condition.



Machine Identification

Machine Details Log	
Serial Number*	
Model	

****The Serial Number is located on the side of the chute rotation motor mount on the front of the machine****



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Introduction, Use & Safety

Introduction

Thank you for purchasing your new Corn Cracker from Lankota Inc. We welcome you to our growing family of new product owners. Proper assembly, maintenance, and safe operating practices will help you get years of satisfactory use from this Corn Cracker.

Intended Use

The Corn Cracker is a Hammer Mill designed and built by Lankota Inc and is intended to grind corn and other grain for the consumption of livestock. The Corn Cracker is designed to be pulled by a ROPS-equipped tractor of 250 PTO horsepower or more. It is not designed to be used for any other purpose other than its intended use.

Using this Manual

This manual is designed to help familiarize the operator with the safety, assembly, operation, adjustments, troubleshooting and maintenance expectations of this machine and create awareness of the hazards that may be encountered because of its use. The intent of this manual is to provide specific machine guidelines and help owners and operators obtain the best results and safe operation from their investment with a focus on accident and injury prevention.

All users must read and understand the information in this manual prior to operation. Do not allow anyone to operate or maintain this equipment who has not fully read and understood this manual. Failure to follow the procedures described in this manual could result in equipment damage or physical injury or death to you or bystanders.

Keep this manual with the machine for future reference as it is considered a part of your machine. There is a designated manual canister affixed to the machine where the manual must be stored. The life of any machine depends largely on the care it is given, and Lankota Inc suggests that you refer to and review the manual often for preventative maintenance.

The information contained within this manual was current at the time of printing. Some parts or information is subject to change to ensure the best performance of the machine. Lankota Inc reserves the right to make changes in materials or design of the product and its manual at any time without notice.

Safety Information

When operating this equipment, you are responsible for your own safety and the safety of those around you. This machine is designed and equipped with proper safety features, including machine guards and safety labels, to protect you and bystanders from hazards that could cause serious injury. Guards and safety labels serve a critical purpose and must not be altered. Guards should only be removed for maintenance purposes and must be reinstalled prior to operation. Some of the illustrations in this manual may show the equipment with machine guards removed for clarity. Never operate this machine unless all machine guards are in place.

Numerical Parts List—Main Assembly

Part Numbers	Description	Qty
LANCK17157	Corn Cracker Assembly	1
LANCK1100A	Drum, 10"	1
LANCK1100B	Housing—Shear/Intake Half, 10"	1
LANCK1100C	Housing—Discharge Front, 10"	1
LANCK1100D	Housing—Discharge Rear, 10"	1
LANCK1100EA	Curve—Lower, 10"	1
LANCK1100EB	Curve—Middle, 10"	1
LANCK1100EC	Curve—Upper, 10"	1
LANCK1100F	Discharge Spout Mount—10"	1
LANCK1100G	Side Door—10"	1
LANCK1100S	Shear Plate—10"	6
LANCK108	Shear Plate Slot Cover	6
LANCK101	Hammer (without spacer)	36
LANCK1100P	Hammer Clevis Pin—for 10"	12
LANF-FWM-1.00	1" Machine Washer, 10 GA	12
LANF0I7W	1/4" x 1.5" Roll Pin	12
LANCK102	Air Intake Gate	2
LANCK103	PTO Shield	1
LANCK104	Slug Wrench	1
LANCK106	Wrench Retainer Latch	1
LANCK107	Lower Arm Cross Brace	1
LANCK109	Hammer Access Door	2
LANCK110	Hammer Mill Rear Shaft Cover	1
LANCK111	Clean Out Door	1
LANCK112	Hammer Spacer	48
LANCK113	Hammer (with weld-on spacer)	24
LANCK114	Hammer Delete Spacer	12
LANCK115	Skid Pad	4
LAN92-28453	55E Series joint & Half Shaft, Mill Half	1
RED10BX	3/8" x 2" Square Key	1

Numerical Parts List—Main Assembly (cont.)

Part Numbers	Description	Qty
LANCK17157 (Continued)		
RED-1000-FB-2.00	2" NANF 4-Bolt Flange Bearing	2
RED01-315C	Manual Canister	1
LAN0401828	3/4" NPT 90deg Street Elbow, Brass	1
LAN70815T47	3/4" GHT x 3/4" MPT Swivel Adapter	1
LAN47865K24	3/4" NPT Ball Valve, Brass	1
LAN4638K718	3/4" NPT Plug	1
LAN93-28451 (OPTIONAL)	1000 PTO (1-3/4"/Large) 55E Driveshaft, Tractor Half	1
LAN93-28452 (OPTIONAL)	1000 PTO (1-3/8"/Small) 55E Driveshaft, Tractor Half	1
MAIN HARDWARE		
REDW742	1/2" x 3" Wirelock Pin	4
REDB712	5/8" x 3" Hex Bolt	1
LAN26B00	5/8" x 2" Hex Bolt	8
REDKRJF	5/8" Top Lock Nut	9
LANFB104	1/4" x 1" Hex Bolt	4
REDWU51	1/4" Flat Washer	4
LANEJRN	1/4" Nyloc Flange Nut	4
REDB505	1/2" x 1.25" Hex Bolt	2
LANFWS55	1/2" SAE Washer	2
LAN506K	1/2" x 1.5" Carriage Bolt	28
LANFNXC1	1/2" Flange Nyloc Nut	18
RED1F30	1/2" Top Lock Nut	12
LAN18A	3/8" x 1" Carriage Bolt	48
LANFNW7G	3/8" Flange Nyloc Nut	48
LAN18A00	3/8" x 1" Gr 5 Bolt	13
RED000MF	3/8" x 7/8" Hex Bolt	4
LAN18000	3/8" Flat Washer	24
REDWL53	3/8" Lock Washer	24
RED0DTT	3/8" Top Lock Nut	8
LANFNAW3	3/8" Wing Nut	16

Numerical Parts List—Main Assembly (cont.)

Part Numbers	Description	Qty
LANCK17157SH	CHUTE ASSEMBLY—10"	1
LANCK1100SA	Chute Weldment—10"	1
LANCK1100SB	Chute Deflector	1
LANCK1100SC	Chute Rotation Gear, Half	2
LANCK1100SD	Chute Hinge Cover	1
LANCK1100SE	Chute Enclosing Panel	2
RED89SH-0004	8 & 9 ft Blower Chute Gear Clamp	2
RED89SH1011	8 & 9 ft Blower Chute Gear Clamp Shim	2
RED2010111	2" x 8" Deflector Cylinder	1
RED10110	Chute Rotation Motor	1
LANCK118	Chute Rotation Sprocket	1
LANF3231	1/4" Grease Zerk	2
RED305K	3/8" 1.25" Carriage Bolt	10
RED0DTT	3/8" Top Lock Nut	13
LAN18A	3/8" x 1" Carriage Bolt	3
LAN18A00	3/8" x 1" Gr 5 Bolt	8
LAN18000	3/8" Flat Washer	12
REDWL53	3/8" Lock Washer	12

Numerical Parts List — Auger Assembly

Part Numbers	Description	Qty
LANCK24566AUG	Auger Assembly	1
LANCK1100M	Base & Swivel Weldment	1
LANCK1100N	Upper Swivel Weldment	1
LANCK1100Q	Wear Pad, Plastic	3
LANCK1100R	Swivel Clamp, Half	2
LANCK1100U	Auger Tube Weldment, 12"	1
LANCK1100V	Auger Flighting, 12" x 10ft	1
LANCK123	Hyd Motor Mount	1
LANCK124	Pivot Bushing	2
LANCK136	Piano Hinge (SS), 10"	1
LANCK137	Relief Door	1
LANCK156	Jump Auger Transition Flex Tube	1
LANCK1671	Hydraulic Motor 104-1671-006	1
LANCKFC51	Flow Control Valve	1
LANCKSWA03	Swing Auger Transition Weldment	1
LANCKSWA06	Hanger Bushing Mount	1
LANCKSWA07	Hanger Bushing Shim	3
LANCKSWA17	Pit Weldment Pivot Bushing	2
LANCKSWA34	Transition Access Cover	1
LANCKSWA35	Pit Rotational Support	2
LANCKSWA36	Rotational Support Bushing	1
LANCKSWA45	Main Auger Support Bushing	1
LANCKSWA46	Pit Pivot Lock	1
LAN207205SA	Round Bearing	1
LAN105	Bearing Flange	2
LAN1137030	1/2" Nyloc Nut	3
LAN1626000	5/8" Nyloc Nut	2
LAN18000	3/8" Flat Washer	6
LAN18A	3/8" x 1" Hex Head Bolt	19
LAN18A32	3/8" X 1-1/2" Carriage Bolt	4

Numerical Parts List — Auger Assembly (cont.)

Part Numbers	Description	Qty
LANCK24566AUG (Continued)	Auger Assembly	1
LAN22A32	1/2" x 1-1/2" Hex Head Bolt	2
LANEJRN	1/4" Flange Nyloc Nut	9
LANFB103	1/4" x 3/4" Hex head Bolt	6
LANFB104	1/4" x 1" Hex Head Bolt	1
LANFB110	1/4" x 2-1/2" Hex Head Bolt	2
LANFB314	3/8" x 3-1/2" Hex Head Bolt	2
LANFB526	1/2" x 6-1/2" Hex Head Bolt	1
LANFHMJON	1/4" x 1" Square Key	1
LANFNW7G	3/8" Flange Nyloc Nut	28
LANFTFK5	7/8" Cushion Loop Clamp	2
LANFWS53	3/8" SAE Flat Washer	2
LANFWS55	1/2" SAE Flat Washer	6
LANH217334	Spring	2
LANHK4X7	1/2" Wide Spout Clamp	2
RED0DTT	3/8" Top Lock Nut	2
RED1F30	1/2" Top Lock Nut	2
RED21940	7/16" Lynch Pin	2
RED305K	3/8" x 1-1/4" Carriage Bolt	4
RED56SS-C1	Sprocket Coupler—16 Tooth—1" ID	1
RED56SS-C2	Sprocket Coupler—16 Tooth—1-1/4" ID	1
RED56SS-C3	Sprocket Coupler Chain—16 Link	1
RED708K	5/8" x 2" Carriage Bolt	2
REDB306	3/8" x 1-1/2" Hex Head Bolt	2
REDB508	1/2" X 2" Hex Head Bolt	2
REDNAF3	3/8" Hex Nut	3
REDWL53	3/8" Lock Washer	3
REDWU51	1/4" Flat Washer	3
LAN26000	5/8" Washer	2

Numerical Parts List — Auger Assembly (cont.)

Part Numbers	Description	Qty
LANCK24566PIT	Swing Auger Pit Sub Assembly	1
LANCKSWA01	Swing Auger Pit Weldment	1
LANCKSWA08	Pit Auger—Right Hand Flighting	1
LANCKSWA09	Pit Auger—Left Hand Flighting	1
LANCKSWA10	Pit Auger Bushing Mount	2
LANCKSWA11	Swing Auger Pit Cover	3
LANCKSWA13	Swing Auger Pit Extension	1
LANCKSWA14	Bearing Mount Shim	6
LANCKSWA15	Swing Auger Grate Clamp	6
LANCKSWA33	Pit Cleanout Cover	4
LANCKSWA37	Motor Protector Mount Bracket	2
LANCKSWA38	Motor Guard	1
LANCKSWA39	Pit Wheel Axle	4
LANCKSWA48	Pit Auger Support Bushing	2
LANCK1751	Hydraulic Motor 101-1751-009	2
LAN127-1600	Shaft Coupling	2
LAN2206	Hair Pin Cotter Pin	8
LAN1133	5/16" Washer	8
LANT3008H-S	Hydraulic Holder Halves	6
LAN112567	Cover Plate	3
LAN1616	5/16" Nyloc Nut	6
LAN18A	3/8" x 1" Carriage Bolt	14
LAN18A00	3/8" x 1" Hex Head Bolt	8
LAN18A32	3/8" x 1-1/2" Carriage Bolt	4
LAN483811	Flat Free Pit Wheel	4
LAN52MM3ZP	Bearing Flange	4
LANFK303	3/8" x 3/4" Carriage Bolt	18
LANF0IDJ	1/8" Cotter Pin	4
LANFHMJ0N	1/4" x 1" Square Key	2
LANFNW7G	3/8" Flange Nyloc Nut	42

Numerical Parts List — Auger Assembly (cont.)

Part Numbers	Description	Qty
LANCK24566PIT (Continued)	Swing Auger Pit Sub Assembly	1
REDB210	5/16" X 2-1/2" Hex Head Bolt	3
LANFRYK8	5/16" Flange Nyloc Nut	11
LANFWS57	5/8" SAE Flat Washer	4
LANFXG26	5/16" x 3/4" Carriage Bolt	6
LANMOU20516GSA	Bearing with Lock Collar	2
REDWL53	3/8" Lock Washer	8
LANCK24566SD	Swing Auger Drive Assembly	1
LANCKSWA02	Swing Auger Adapter Weldment	1
LANCKSWA25	Auger Lift Saddle	1
LANCKSWA26	Swing Auger Drive Weldment	1
LANCKSWA27	Swing Auger Drive Axle	2
LANCKSWA40	Auger Lift Stabilizer Arm	2
LANCKSWA41	Auger Lift Weldment	1
LANCKSWA42	Auger Lift Bushing	4
LANCKSWA43	Auger Lift Saddle Clamp	1
LANCKSWA44	Modified Wheel Drive Bushing	4
LANCKSWA47	Auger Lift Flow Control Saddle	1
LANCK1014	Hydraulic Motor 101-1014-009	2
LANCK127-16005	Drilled Shaft Coupling	2
LAN5100961	Super Lug Swing Drive Tire	2
LANAM20011	Steel Swing Drive Wheel	2
LAN18A00	3/8" x 1" Hex Head Bolt	8
LAN18A32	3/8" x 1-1/2" Carriage Bolt	18
LANEWPG	3/4" X 2-1/2" Clevis Pin	4
LANF0DNU	#10 Nyloc Nut	2
LANF0IDJ	1/8" Cotter Pin	4
REDB308	3/8" x 2" Hex Head Bolt	2
LANFB810	3/4" x 2-1/2" Hex Head Bolt	4

Numerical Parts List — Auger Assembly (cont.)

Part Numbers	Description	Qty
LANCK24566SD (Continued)	Swing Auger Drive Assembly	1
LANFH1H2M	#10 x 7/8" Pan Head Screw	2
LANFHN0MJ	Rubber Flat Washer	2
LANFNW7G	3/8" Flange Nyloc Nut	18
LANFWS53	3/8" SAE Flat Washer	8
LANFWS58	3/4" SAE Flat Washer	4
LANMCHN40	Neodymium Cup Magnet	2
LANW250100-S	Hydraulic Cylinder	1
RED0DTT	3/8" Top Lock Nut	2
REDKRJG	3/4" Top Lock Nut	4
REDWL53	3/8" Lock Washer	8
LAN21479	Trailer Hub Bolts	8

Numerical Parts List — Trailer Components

Part Numbers	Description	Qty
LANCK24566TR	Swing Auger Trailer Components	1
LANCK127	Wheel Mount & Auger Support Base Clamp Plate	2
LANCK139	Tube Rest	1
LANCK162	Trailer Hitch Bar	1
LANCK165	Auger Tie-Down Bracket	2
LANCK167	Turn Knob	2
LANCK2045	Trailer Hitch Weldment	1
LANCK2046	Trailer Tongue Weldment	1
LANCK2047	Hitch Mount Weldment	2
LANCK2049	Chain, PTO Hanger	1
LANCK2050	CK Trailer Driveshaft Hanger	1
LANCKSWA20	Swing Auger Stow Support & Axle Mount—Right	1
LANCKSWA21	Swing Auger Stow Support & Axle Mount—Left	1
LANCKSWA23	Axle Mount Stabilizer	1
LANCKSWA32	Auger Stow Support Weldment	1
LAN92-28453	Half Shaft, Mill Half	1
LANBBJACK	Side Crank Jack	1
LANCBRSJJ10	Ratchet Binder	1
LANCK2044	Spindle Weldment	2
LAN281021	Hub, 6" on 6	2
LANCK17383-AXLE	Axle & Hub Kit	2
LAN1133	5/16" Washer	2
LAN22000	1/2" Washer	32
LAN22A32	1/2" x 1-1/2" Hex Head Bolt	16
LANF216K	5/16" x 4" Carriage Bolt	2
LANFB322	3/8" x 5-1/2" Hex Head Bolt	2
LANFB536	1/2" x 9" Hex Head Bolt	1
LANFHG3	5/16" Carabiner	2
LANFNW7G	3/8" Flange Nyloc	2
LANFWS53	3/8" SAE Flat Washer	2

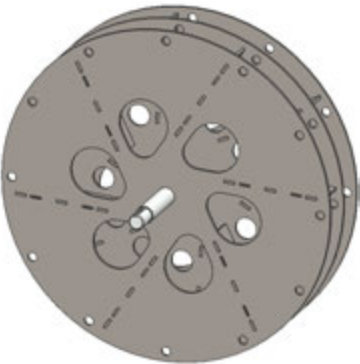
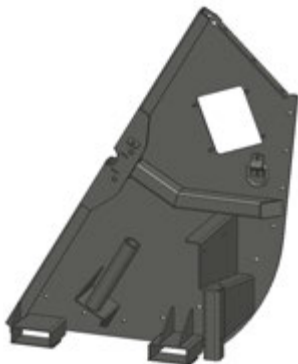
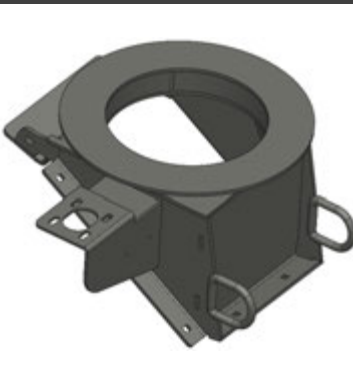
Numerical Parts List — Trailer Components (cont.)

Part Numbers	Description	Qty
LANCK24566TR (Continued)	Swing Auger Trailer Components	1
LANFWS55	1/2" SAE Flat Washer	34
LANFWS58	3/4" SAE Flat Washer	10
LANHH20253	Red Handle Hitch Pin	2
LANNAS2	5/16" Serrated Flange Nut	2
LANSS704	Stalk Stomper Twist Pin	1
RED1F30	1/2" Top Lock Nut	34
REDB512	1/2" x 3" Hex Head Bolt	1
REDB807	3/4" x 1-3/4" Hex Head Bolt	5
REDKRJG	3/4" Top Lock Nut	5
REDWL52	5/16" Lock Washer	2
LANF1E8W	1/2" x 4", Grade 8 Hex Head Bolt	16

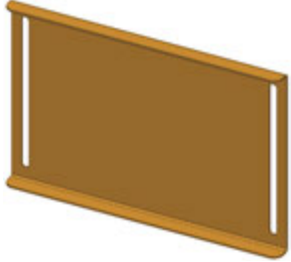
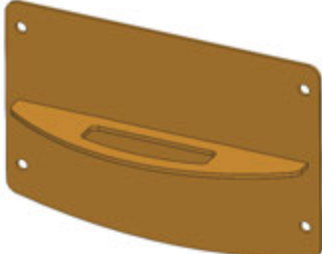
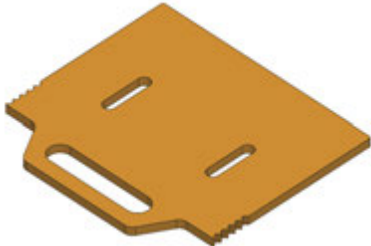
Numerical Parts List

Part Numbers	Description	Qty
LANCK24566VM	Valve Mount Kit	1
LANCK245WIR	Control Box	1
-----	Wireless Remote	1
LANHCVS4X13	Hydraulic Control Valve, 4 Solenoid	1
LANCK255	Controls Mount for Swing Auger	1
LANEJRN	1/4" Flange Nyloc	2
LANF0DNT	#8 Nyloc Nut	4
LANFB104	1/4" x 1" Hex Head Bolt	4
LANFRV5T	1/4" x 2-1/4" Hex Head Bolt	2
REDWL51	1/4" Lock Washer	4
REDWU51	1/4" Flat Washer	4

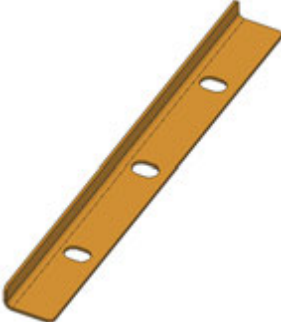
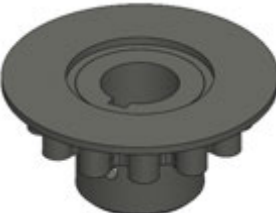
Pictorial Parts List—LANCK17157

				
LANCK1100A (1)	LANCK1100B (1)	LANCK1100C (1)	LANCK1100D (1)	LANCK1100EA (1)
				
LANCK1100EB (1)	LANCK1100EC (1)	LANCK1100F (1)	LANCK1100G (1)	LANCK1100P (12)
				
LANCK101(36)	LANCK112(48)	LANCK113 (24)	LANF-FWM-1.00 (12)	LANF017W (12)

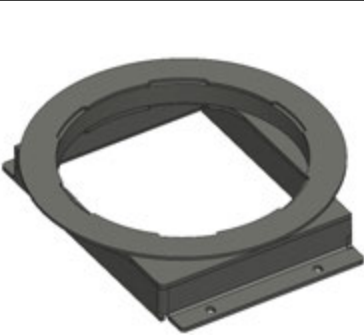
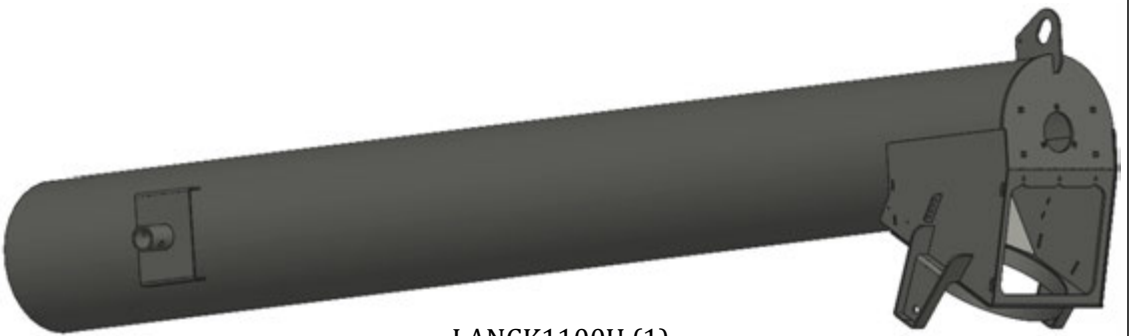
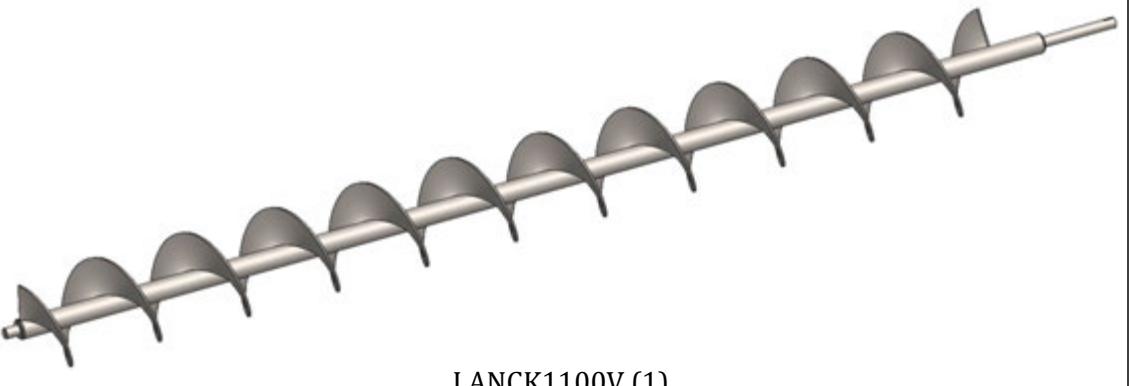
Pictorial Parts List—LANCK17157

				
LANCK102 (2)	LANCK103 (1)	LANCK104 (1)	LANCK106 (1)	LANCK107 (1)
				
LANCK109 (2)	LANCK110 (1)	LANCK111 (1)	LANCK1100S (6)	LANCK108 (6)
				
RED01-315C (1)	LAN4638K718 (1)	LAN92-28453 (1)	RED10BX (1)	RED-1000-FB-2.00 (2)
				
LAN0401828 (1)	LAN70815T47 (1)	LAN47865K24 (1)	REDW742 (4)	LANCK114 (12)

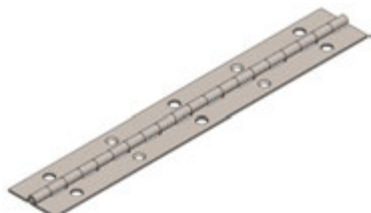
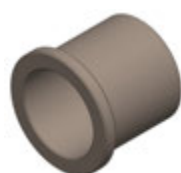
Pictorial Parts List—LANCK17157

				
LANCK1100SA (1)	LANCK1100SB (1)	LANCK1100SC (2)	LANCK1100SD (1)	LANCK1100SE (2)
				
RED89SH-0004 (2)	RED89SH1011 (2)	RED2010111 (1)	RED10110 (1)	LANCK118 (1)
				
LAN93-28451 (1)	LAN93-28452 (1)			

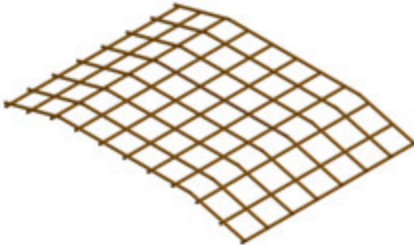
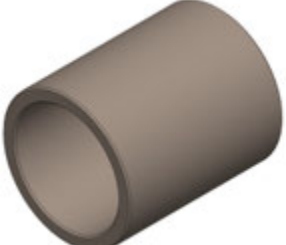
Pictorial Parts List—LANCK24566AUG

 LANCK1100M (1)	 LANCK1100N (1)	 LANCK1100Q (3)	 LANCK1100R (2)	 LANCK124 (2)
 LANCK1100U (1)			 LAN207205SA (2)	 LANCK123 (1)
 LANCK1100V (1)			 LAN105 (4)	 LANCK156 (1)

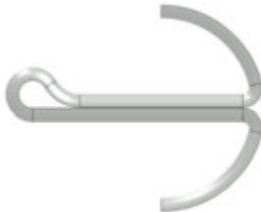
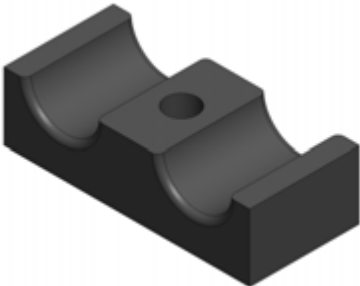
Pictorial Parts List—LANCK24566AUG

				
LANHK4X7 (2)	LANH217334 (2)	LANCK136 (1)	LANCK137 (1)	LANCKSWA46 (1)
				
LANCKSWA35 (2)	LANCKSWA36 (1)	LANCKSWA06 (1)	LANCKSWA45 (1)	LANCKSWA03 (1)
				
LANCKSWA17 (2)	LANCKSWA34 (1)	RED21940 (2)	LANCK1671 (1)	LANCKFC51 (1)
				
RED56SS-C1 (1)	RED56SS-C2 (1)	RED56SS-C3 (1)	LANFHMJ0N (1)	LANFTFK5 (2)

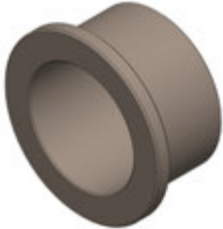
Pictorial Parts List—LANCK24566PIT

			
LANCKSWA01 (1)	LANCKSWA13 (1)	LANCKSWA10 (2)	LANCKSWA11 (1)
			
LANCKSWA08 (1)	LANCKSWA14 (6)	LANCKSWA15 (6)	LANCKSWA33 (4)
			
LANCKSWA09 (1)	LANCKSWA37 (2)	LANCKSWA38 (1)	LANCKSWA48 (2)

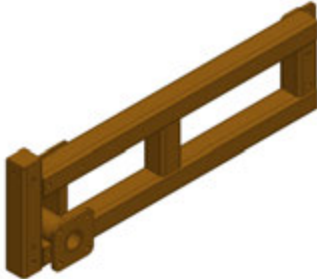
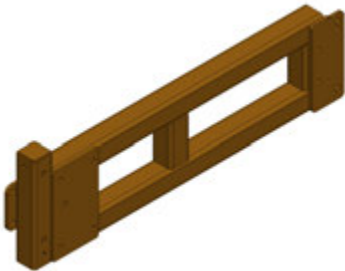
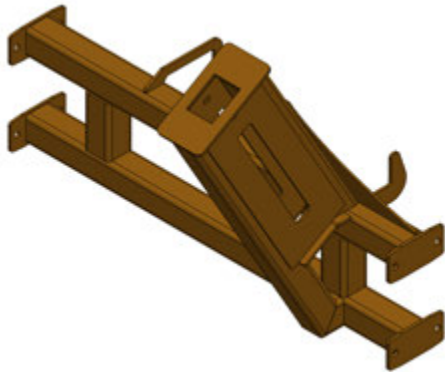
Pictorial Parts List—LANCK24566PIT

			
LANCKSWA39 (4)	LAN483811 (4)	LAN2206 (8)	LANF0IDJ (4)
			
LANCK1751 (2)	LANMOU20516GSA (2)	LAN52MM3ZP (4)	LAN127-1600 (2)
			
LANT3008H-S (6)	LAN112567 (3)		

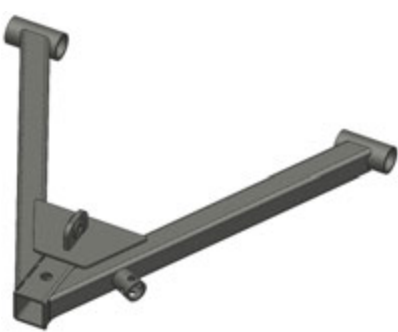
Pictorial Parts List—LANCK24566SD

				
LANCKSWA02 (1)	LANCKSWA25 (1)	LANCKSWA26 (1)	LANCKSWA27 (2)	LANCKSWA40 (2)
				
LANCKSWA41 (1)	LANCKSWA42 (4)	LANCKSWA43 (1)	LANCKSWA44 (4)	LANCKSWA47 (1)
				
LANCK1014 (2)	LANCK127-16005 (2)	LAN5100961 (2)	LANAM20011 (2)	LANMCHN40 (2)
				
LANFHN0MJ (2)	LANW250100-S (1)			

Pictorial Parts List—LANCK24566TR

			
LANCKSWA20 (1)	LANCKSWA21 (1)	LANCKSWA32 (1)	LANCKSWA23 (1)
			
LANSS704 (1)	LANCK167 (1)	LANCK165 (2)	LANCK139 (1)

Pictorial Parts List—LANCK24566TR

				
LANCK2044 (2)	LANCK2045 (1)	LANCK2046 (1)	LANCK2047 (2)	LANCK2049 (1)
				
LANCK2050 (1)	LANCK162 (1)	LANHH20253 (2)	LANFHG3 (2)	LANCBRSJJ10 (1)
				
LANBBJACK (1)	LAN281021 (2)	LAN4901556 (2)	LAN225-75R15 (2)	

Pictorial Parts List—LANCK24566VM



LANCK255 (1)



LANHCVS4X13 (1)



LANCK245WIR (1)

Operation

1. Go through the Setup steps (pages 16 & 17).
2. Set the shear plates (page 18).
3. To prevent damage, **NEVER START THE PTO WHEN THERE IS ANYTHING INSIDE THE MILL!**
4. Engage the PTO at the lowest engine speed possible.
5. Gradually increase the engine speed until the PTO reaches 1000 RPM
 - ◇ Running the mill at PTO speeds below 1000 rpm will result in a coarser grind.
6. After the hammer mill is up to speed, begin dispensing grain into the hopper.
7. OPTIONAL: Turn on water valve.

To shut down, do these steps in reverse.

Best Practices

These are the best practices for running the Lankota Corn Cracker.

- The corn cracker operates at maximum performance when it is fed with grain at maximum speed—i.e. the faster you feed it, the better it grinds.
- Keep grain in the hopper at all times—this ensures it feeds as fast as possible, helps keep dust down and also helps it throw the grain further.
- Add water via a garden hose and the brass fittings to decrease dust and improve packing.

Warranty

Lankota Inc (the “Manufacturer”) warrants to the original purchaser that this equipment will be free from defects in material and workmanship when used as intended and under normal service and conditions for individual use only.

This warranty is limited to the repair or replacement of any defective part by the Manufacturer and the installation by the dealer of any such replacement part and does not cover common wear items. The Manufacturer reserves the right to inspect any equipment or parts which are claimed to have been defective in material or workmanship.

This warranty shall not be interpreted to render the Manufacturer liable for damages of any kind, direct, consequential, or contingent to property. Furthermore, the Manufacturer shall not be liable for damages resulting from any cause beyond its reasonable control. This Warranty does not extend to loss of crops, any expense or loss for labor, supplies, rental machinery or for any other reason.

**For further technical assistance,
call Lankota Inc. at:
1-866-526-5682**

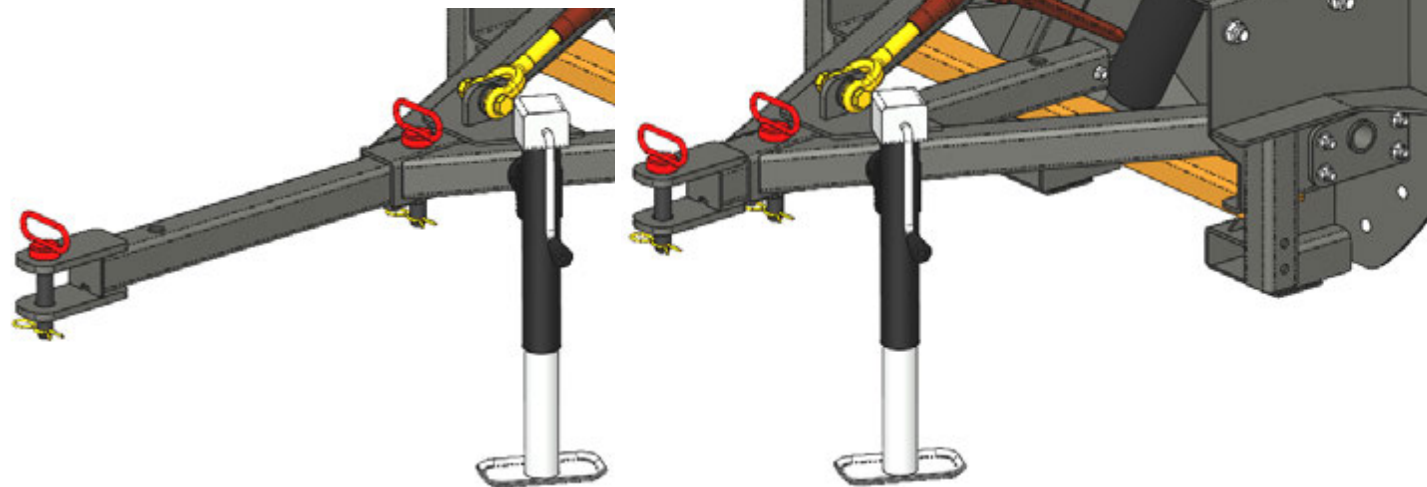
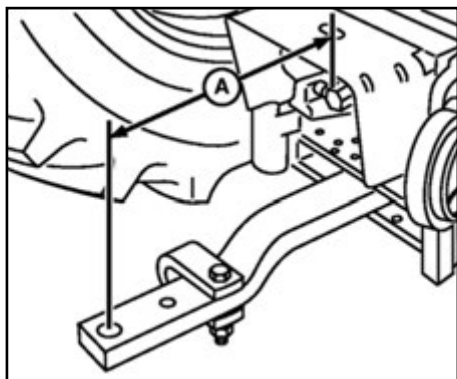
Operation—Hookup

1. Use a tractor that has 250+ hp (at PTO) and has 1000 rpm PTO.
2. Slide the correct PTO half-shaft onto the mill and set it in the PTO rest.
3. Connect the PTO driveshaft and the hydraulic hoses.
 - There are two pairs of hoses—one set is for the auger motors and the other for the 4 solenoid valve.
 - **IMPORTANT: TO AVOID OVERHEATING** of hydraulic oil, turn the hydraulic flow on the tractor **DOWN** for the 4 solenoid valve as it has an orifice to limit flow.

The tractor's drawbar must be set so the centerline of the draw pin to the end of the PTO shaft (A) is 16" or less. Any longer and damage to the driveshaft may occur.

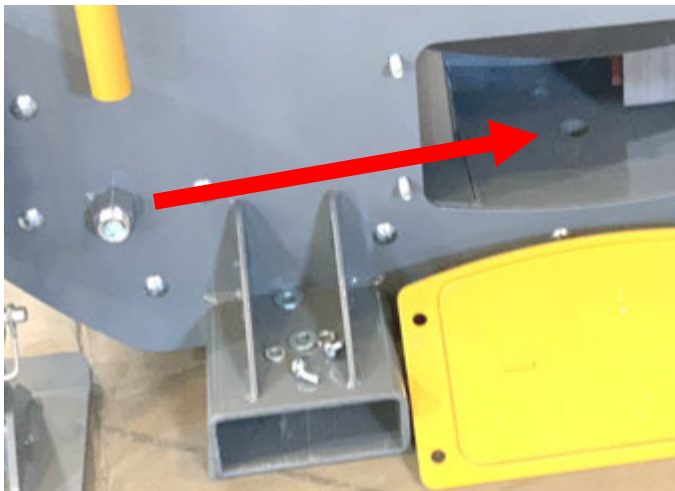
When operating the hammer mill/trailer unit, the hitch **MUST** be in the shortened position. If not, the driveshaft will be too short.

Use the hitch in extended position when towing on the highway.

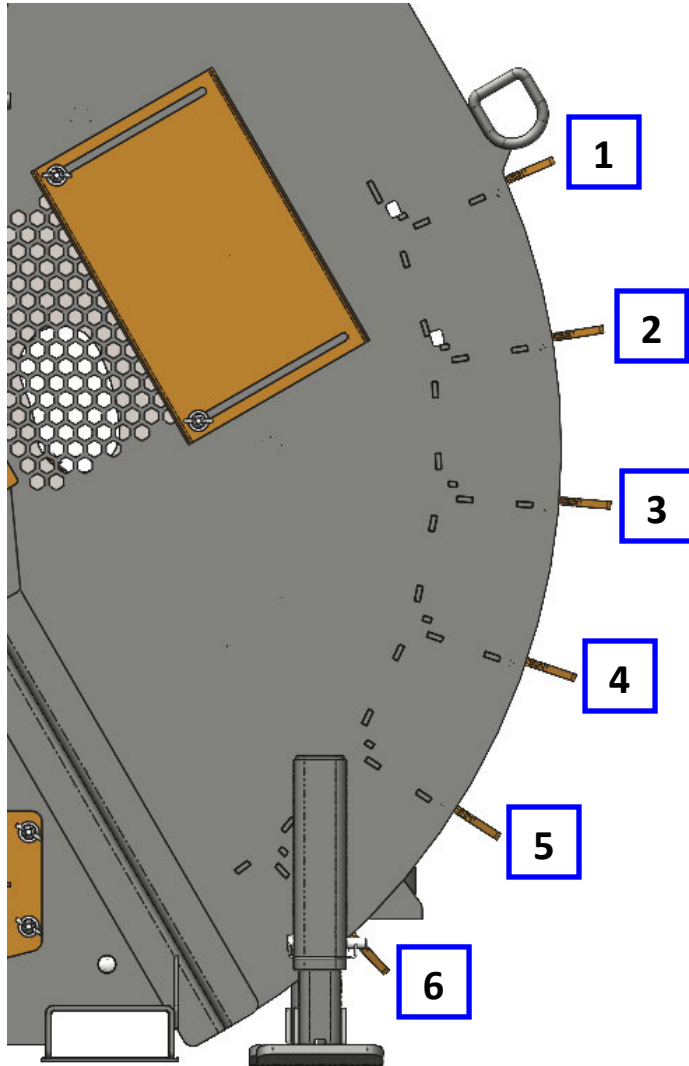


Setup

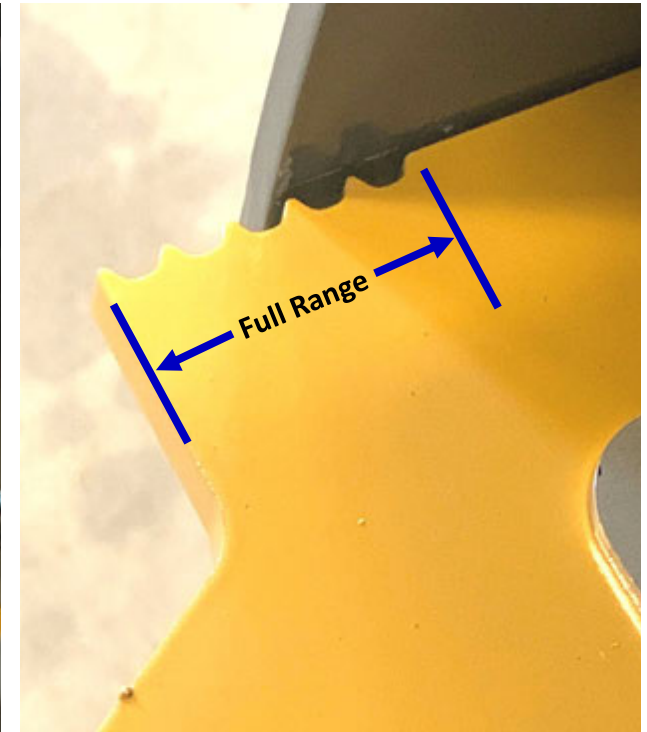
- Move the plug from its storage point to the operating position in the bottom.
- Park the tractor in the grinding location and stabilize the front of the cracker with the hitch jack.
- Run the deflector hoses through the D-Ring on the housing to keep it from catching the ring gear teeth.
- If the ring gear pieces are installed correctly, the chute should not be able to turn far enough to hit the hopper or to blow material at the operating tractor.
- If the chute becomes plugged, remove the throat covers to let material get out.



Shear Plates—Setup & Adjustments



- Start with Plate 1 all the way out, Plate 6 all the way in and gradually stagger the rest between them. (Plate 2 is 1/5 out, Plate 3 is 2/5, Plate 4 is 3/5 and Plate 5 is 4/5 out.)
 - If the grind is too fine, start at the top and pull the plates out until it is as desired.
 - If the grind is too coarse, start at the bottom and push the plates in until it is as desired.
- ◇ Even when the plates are all the way in, the tips of the hammers will not be able to contact the edge of the shear plates.
- ◇ The cutouts on the side of the shear plates show the full range of adjustment.



Hammer Installation/Replacement

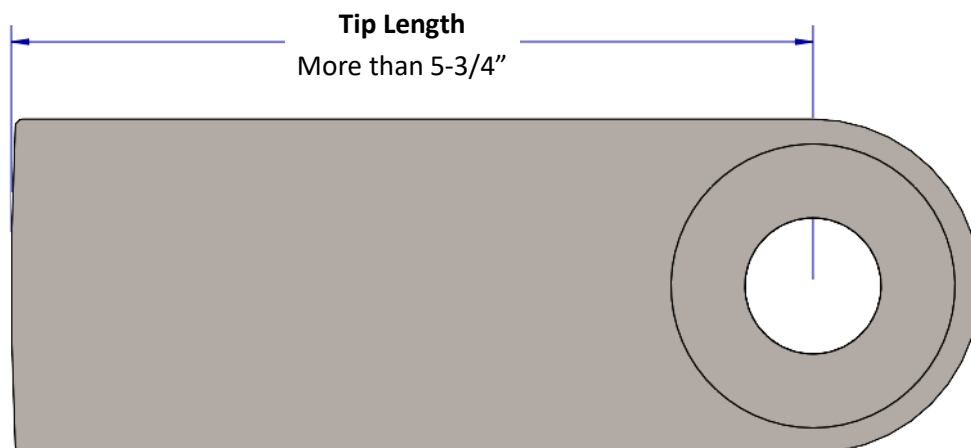
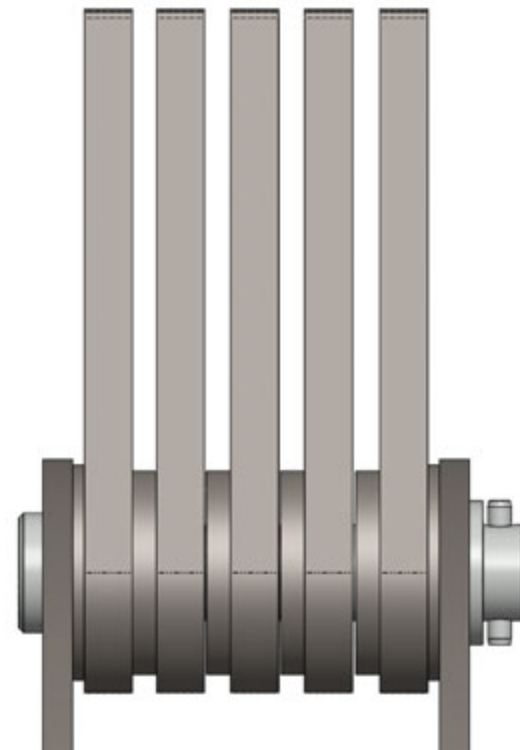
1. Each of the 60 hammers is double-sided/reversible. After one side is worn down, remove the roll pin, washer and clevis pin.
2. Flip the hammers and reinstall the hardware.
3. When both sides are worn or the tip is less than 5-3/4" from the center of the pivot hole, call Lankota for replacement hammers.

All hammers must be installed; failure to have all hammers and hardware installed will cause the mill to be unbalanced inducing vibrations that significantly shortens the lifespan of components.

If a coarser grind is desired, Hammer Delete Spacers (LANCK114) are provided. Remove **ONLY** one hammer and spacer/washer from each set and replace with a delete spacer. **Alternate which hammer is replaced so they are not all in a row.**

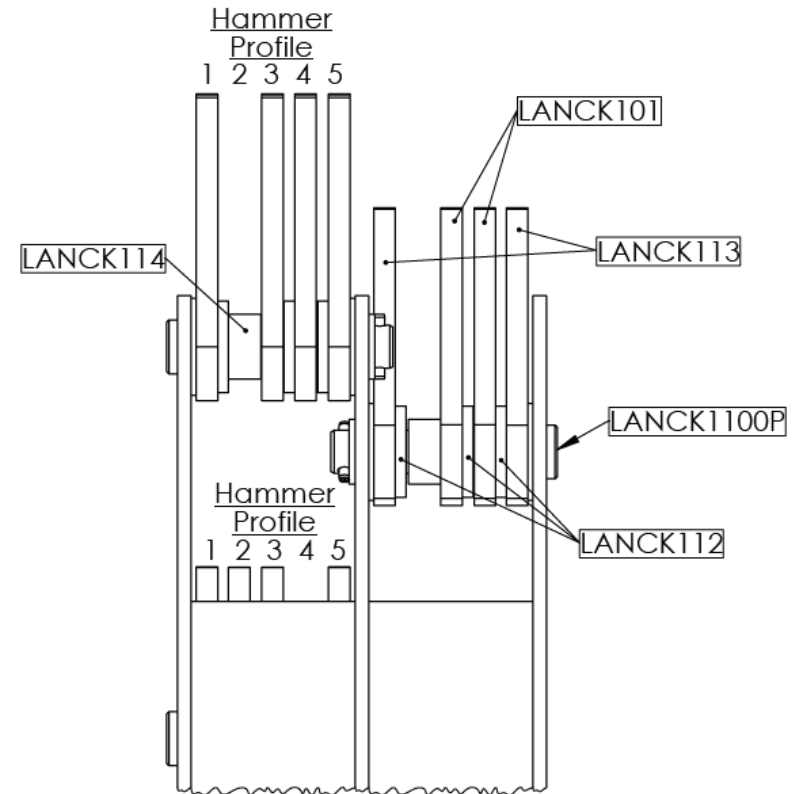
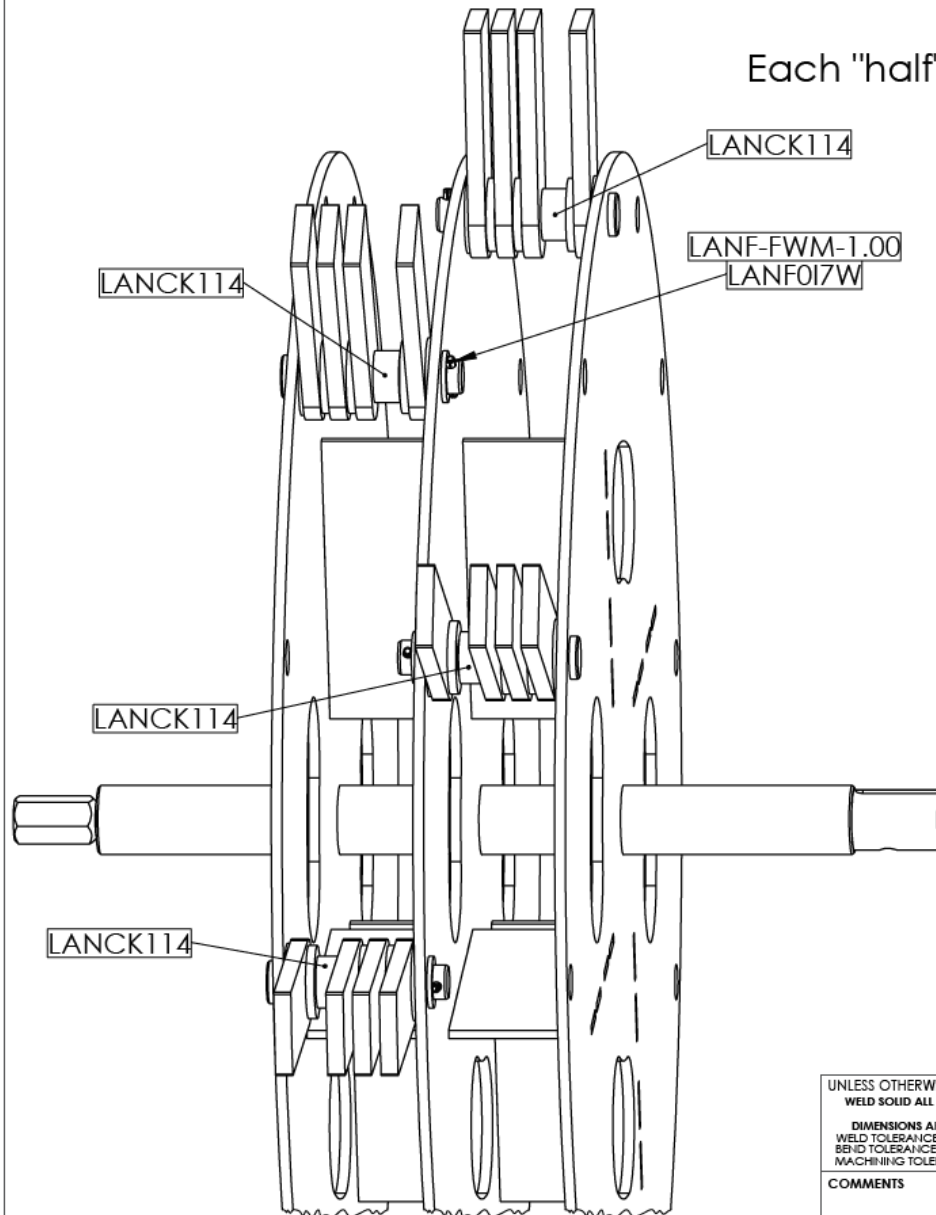
Failure to not evenly replace hammers will cause the mill to be unbalanced inducing vibrations that significantly shortens the lifespan of components.

Store the hammers & washers on the rear of the Corn Cracker.



Hammers & Spacers

Alternate between removing hammer "2" and "4" and substituting a LANCK114 spacer.
Each "half" should alternate: inside, outside, inside, etc.



UNLESS OTHERWISE SPECIFIED:
WELD SOLID ALL WELDMENTS
DIMENSIONS ARE IN INCHES
WELD TOLERANCE ± 0.031
BEND TOLERANCE ± 0.031
MACHINING TOLERANCE ± 0.005

COMMENTS

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DRAWN BY JESSE H
CREATED 03/20/2020
PROJECT

MATERIAL
FINISH

LANKOTA

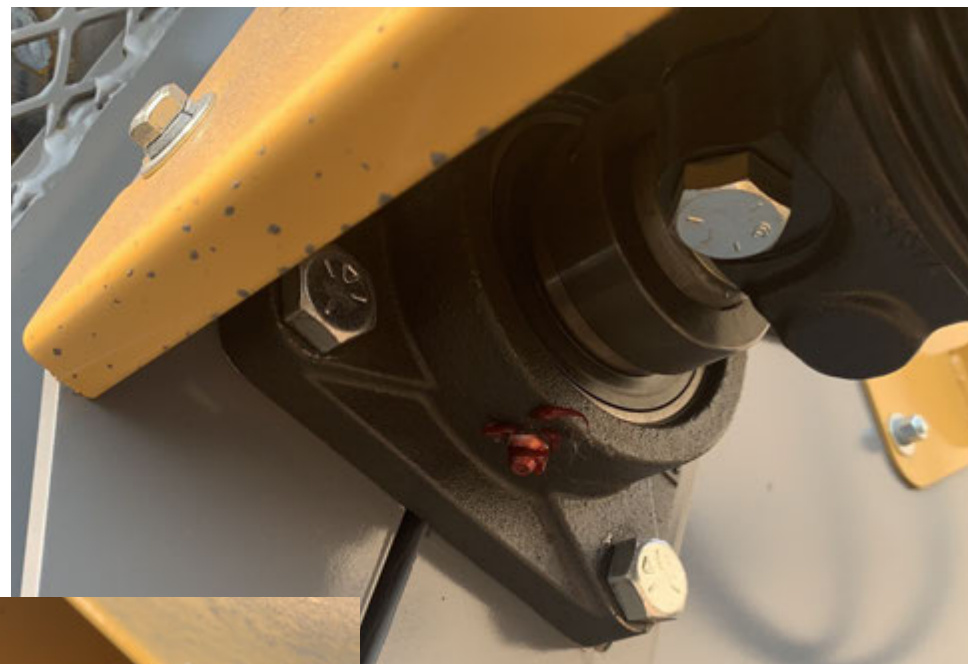
TITLE: Hammer Mill - 10"

SIZE DWG. NO. REV
A LANCK17157 03

SCALE: 1:5 WEIGHT: 479.35 SHEET 7 OF 7

Maintenance

- Grease the bearings every 50 hours of use
- Grease the driveshaft knuckles every 50 hours of use
- [Scan the QR Code in the corner for a video on removing the plastic guard quickly and easily.](#)
- Grease the chute rotation face at the beginning of each season and every 100 hours.
- Grease the hopper door wheel every season.

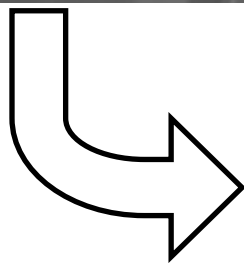
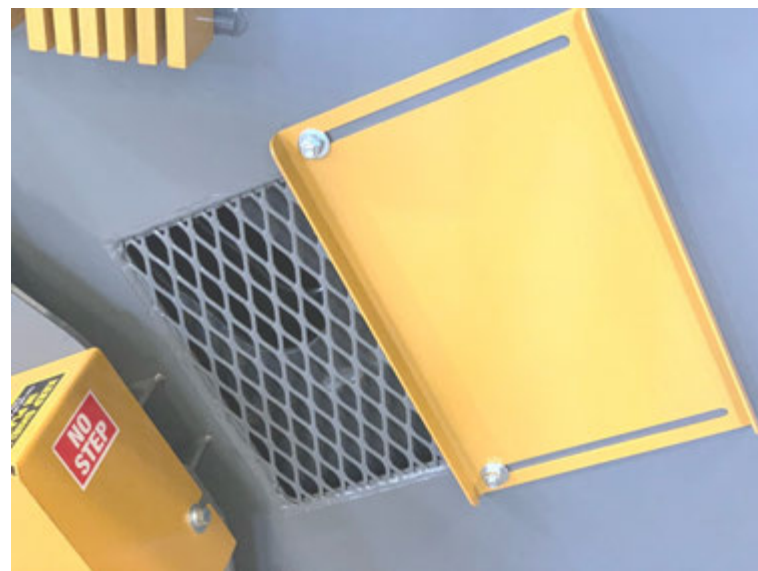


[EasyLock Guard™ How-To Video](#)
(Start at 0:27)

Storage

At the end of each season:

- Shutoff the tractor, remove the bottom clean-out panel and clear out any loose material. Reinstall the panel.
- Raise the mill, remove the plug from the bottom and store in outer cap (shown).
- Close the air intake covers on the front and back.
- Close the hopper door and/or cover the hopper to prevent any rain, debris or animals from getting inside.
- If possible, store inside or under a roof.



Storage

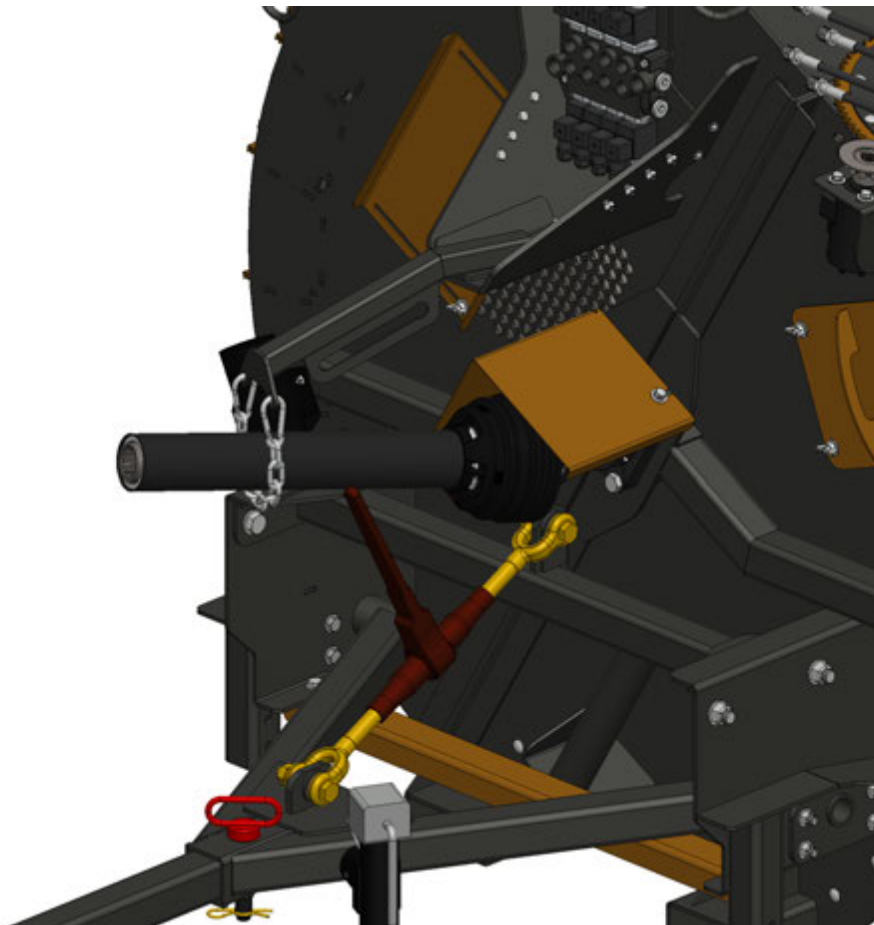
To store the driveshaft, either:

- Leave it slid together and rest it in driveshaft storage chain.

OR

- Remove the tractor half and set it in the holder.

(Recommended)



Storage

To avoid the pit filling with water:

- Slide open the pit drain covers in the off season
(Recommended)

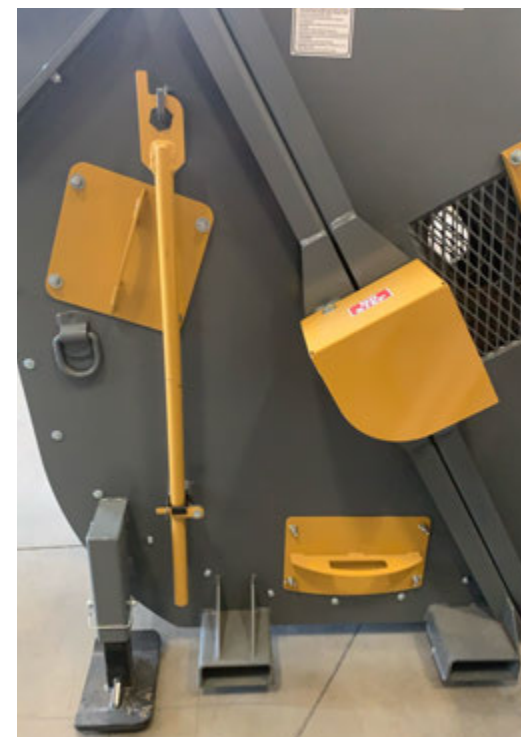


Troubleshooting—Shear Bolts and Plugging

If the hammer mill experiences too high of a load, shear bolts on the driveshaft flange will break. This is to protect the mill from excessive stress and premature part failure. If this should happen follow these steps:

1. Shut off the grain supply to the mill.
2. Close the hopper door if the hopper contains grain.
3. Lift and move the mill to a suitable location and remove the wing nuts and bottom clean out door (right figure). Shut off the tractor and clear all the grain from inside the mill.
4. Remove the rear shaft cover/shield to expose the rear hex shaft. Use the slug wrench to turn the drum and finish cleaning out the mill.
5. Unhook the driveshaft from the tractor and replace the (2) broken shear bolts. Extra shear bolts are located on the top 3-point arm mount.
6. Put mill back together and reposition. Start mill again, bring to 1000 rpm THEN open hopper door.

NOTE: SHEAR BOLTS ARE 3/8" x 1" GRADE 5 HEX BOLTS



Troubleshooting—Drum Spacing/Ticking



The drum is centered, squared and locked in place during assembly, but transport and some use may cause it to shift/settle. If the hammer mill produces a ticking/knocking sound when spinning, the drum may not be correctly centered in the housing anymore and the heads of hammer pins may be hitting the inner walls.

- Remove the front and rear Hammer Access Panels (LANCK109) and shaft guards.
- Examine the pin heads and determine where the sound is coming from.
- Loosen the Allen set screw and collar on each bearing.
- Tap/slide the drum forward or back as needed until it is centered.
- Reset the lock collars and set screws before hand-spinning the drum; listen and observe if it hits anymore.
- Reinstall all panels and guards.

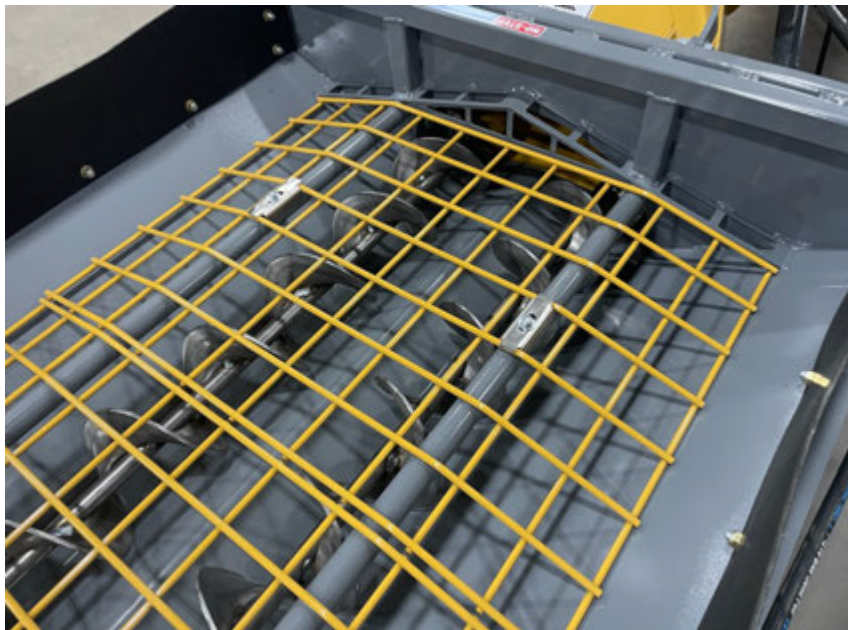


Operation—Setup

- Pull the cotter pin on the backside of the axle to adjust the height of the pit wheels to provide the desired ground clearance. They are shipped in the middle pin location from Lankota.
- Turn the hydraulic flow down on the tractor to avoid overheating oil.



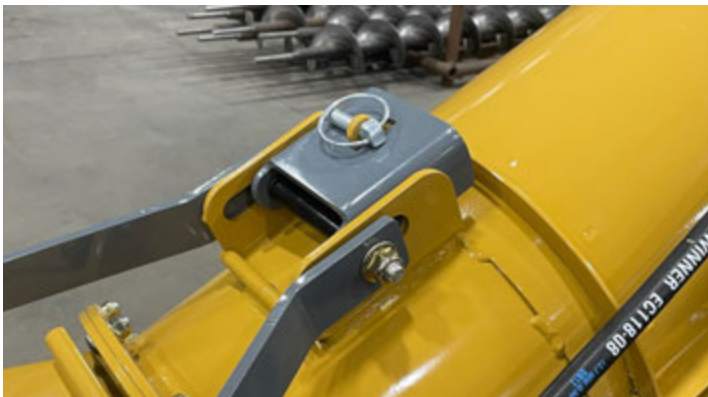
Operation—Safety



- Keep the pit grates in place any time the machine is in operation
- DO NOT step on the pit or grates during operation
- **DANGER!** Always stand clear of the auger swing during operation
- **DANGER!** Always keep auger access shield pinned in place during operation.

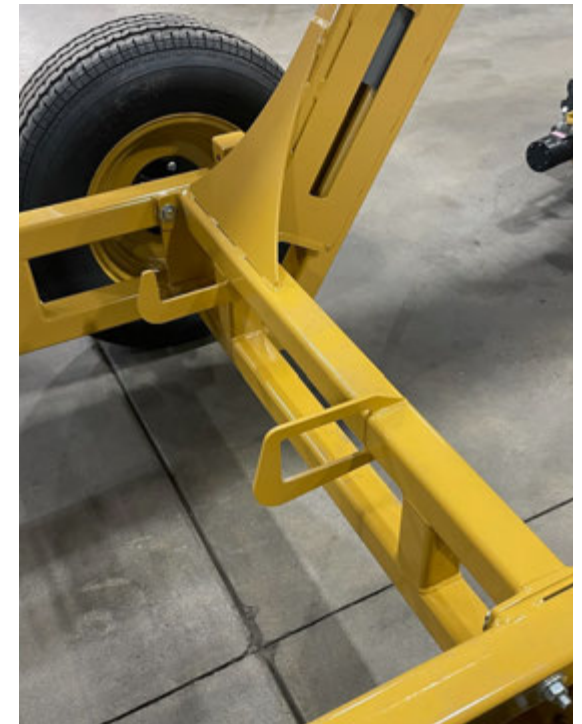


Operation—Auger Storage



Auger Storage

- The auger can be stored at different heights by pinning in the auger storage bracket.
- Always secure the pivot lock in place to keep the pit from bouncing during travel.
- Always secure the auger for storage or travel using the threaded knobs to secure the auger to the storage bracket.
- To provide more clearance during operation, the auger storage bracket can be placed in the cradle at the back of the axle stabilizer weldment.



Assembly—Hyd Remote



1. Fasten all fittings to the hydraulic block as depicted. (Long fittings on bottom.)
2. Mount hyd block to mount bracket, followed by the control box and harness.
3. Connect the wiring connections to the block as shown here and detailed on page 62.
4. Run the hoses from the block to their respective ports on the chute cylinder or rotation motor. See pages 61-62.

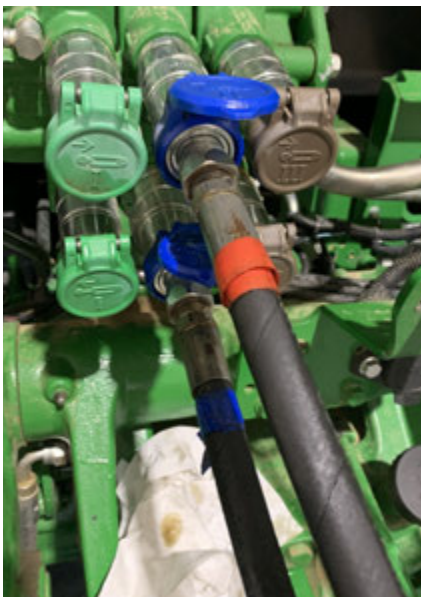
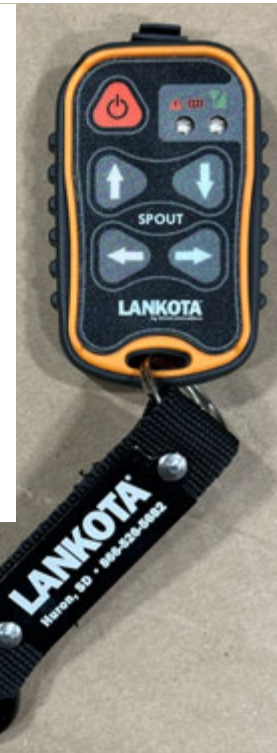
Make sure the orifice fittings are in place where depicted.



Operation—Hyd Remote



- Connect the hoses and electrical plug to a tractor, lower the hydraulic's flow, and turn on the hydraulic flow.
- If pressure is going the wrong direction or main lines are connected backwards, nothing will work in the block.
- The control box can be used in lieu of the remote, when around the machine.



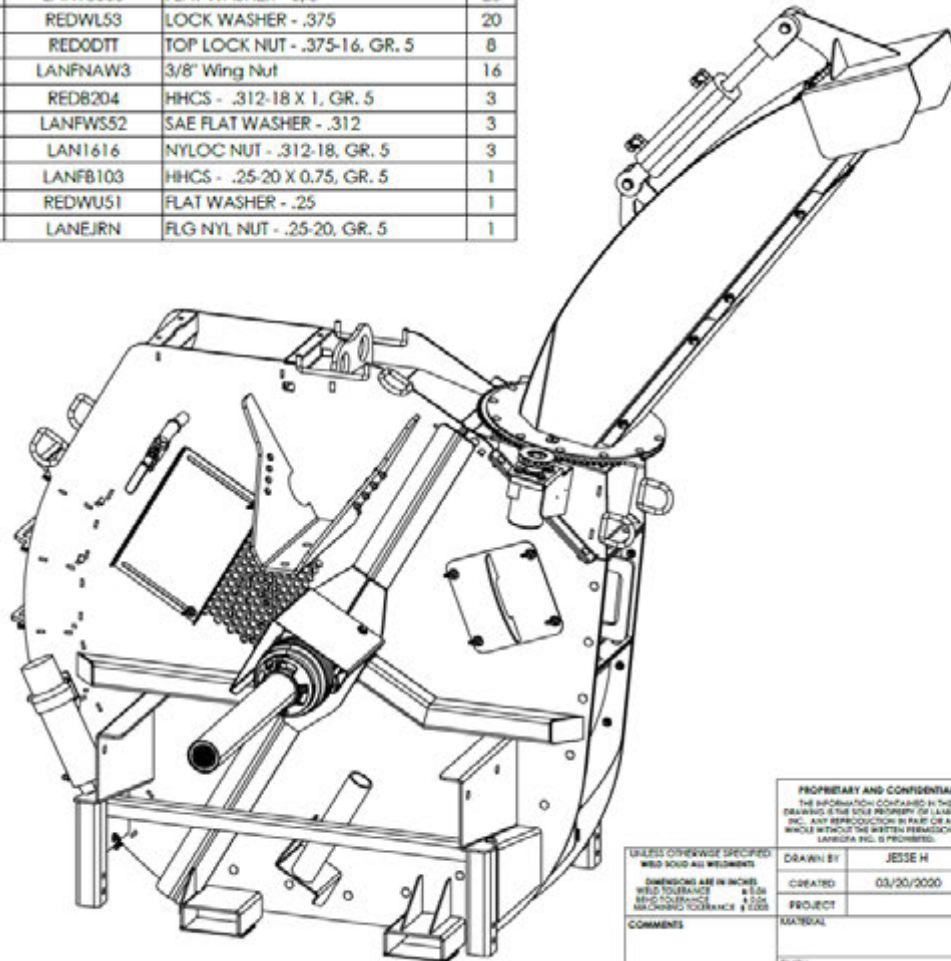
The Remote

- It has a range of over 300 feet.
- If lost, a replacement can be purchased from Lankota.
- To sync a new remote:
 - ◇ Turn off remote and unplug the control box
 - ◇ Press and hold the remote power button for 10 seconds; both LEDs will start blinking
 - ◇ Plug in the control box
 - ◇ The green LED will flash rapidly when connected
- A blinking red LED indicates a low battery or a system error.
- A full charge takes 3 hours. Once fully charged, the red LED will turn off and the green LED will turn on.
- The green LED flashes rapidly whenever connected.

Assembly

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	LANCK1100A	Hammer Mill - 10" Drum	1
2	LANCK1100B	Housing - Shear/Intake	1
3	LANCK1100C	Housing Discharge Front	1
4	LANCK1100D	Housing Discharge Rear	1
5	LANCK1100EA	10" Wear Curve	1
6	LANCK1100EB	10" Wear Curve	1
7	LANCK1100EC	10" Wear Curve	1
8	LANCK1100F	10" Discharge Spout Mount	1
9	LANCK1100G	10" Side Door	1
10	LANCK1100S	10" Shear Plate	6
11	LANCK108	Shear Plate Slot Cover	6
12	LANCK17157SH	Jimmy Chute Assembly	1
13	LANCK101	Hammer for Corn Cracker	36
14	LANCK112	Hammer Spacer	48
15	LANCK113	Hammer for Corn Cracker	24
16	LANCK114	Hammer Delete Spacer	12
17	LANCK1100P	Corn Cracker Hammer Clevis Pin	12
18	LANF-FWM-1.00	1.00" Machine Washer, 10 GA	12
19	LANF017W	Roll Pin, 1/4" x 1.5"	12
20	LANCK102	Air Intake Gate	2
21	LANCK103	PTO Shield	1
22	LANCK104	Hammer Mill Slug Wrench	1
23	LANCK106	Wrench Retainer Latch	1
24	LANCK107	Lower Arm Cross Brace	1
25	LANCK109	Hammer Access Door	2
26	LANCK110	Hammer Mill Rear Shaft Cover	1
27	LANCK111	Clean Out Door	1
28	LAN92-28453	55E Series Joint & Half Shaft, Mill Half	1
29	RED108X	3/8" X 2" SQUARE KEY STOCK	1
30	REDB712	HHCS - .625-11 X 3, GR. 5	1
31	RED-1000-FB-2.00	NANF 4-Bolt Flange Units	2
32	LAN26800	HHCS - .625-11 X 2, GR. 5	8
33	REDKRJF	TOP LOCK NUT - .625-11, GR. 5	9
34	RED01-315C	MANUAL HOLDER CANISTER	1
35	LAN0401828	Brass 3/4" NPT 90° Street Elbow	1
36	LAN70815T47	3/4"GHT x 3/4"TMPT Swivel Adapter	1
37	LAN47865K24	Brass Ball Valve, 3/4" NPT	1
38	LAN1101	LINCH PIN - .188 X 1.56	2
39	LAN4638K718	3/4" NPT Plug	1
40	RED-HH-70	70" x 1/4" Hyd Hose	2
41	RED-HH-120	120" x 1/4" Hyd Hose	2
42	RED1501-6-8	3/8" M x 1/2" F 90° Pipe Fitting	2
43	RED1404-8-8	1/2" Pipe Thread Swivel Reducer - 1/32" Orifice	1
44	LAN8010-4	1/2" Female Pioneer Tip - Pipe Thread	2

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
45	REDB505	HHCS - .5-13 X 1.25, GR. 5	2
46	LANFW555	SAE FLAT WASHER - .5	2
47	LAN506K	CARRBLT - .5-13 X 1.5	28
48	LANFNXC1	FLG NYL NUT - .5-13, GR. 5	18
49	RED1F30	TOP LOCK NUT - .5-13, GR. 5	12
50	LAN18A	CARRBLT - .375-16 X 1	48
51	LANFNW7G	FLG NYL NUT - .375-16, GR. 5	48
52	LAN18A00	HHCS - .375-16 X 1, GR. 5	13
53	LAN18000	FLAT WASHER - 3/8	20
54	REDWL53	LOCK WASHER - .375	20
55	RED0DTT	TOP LOCK NUT - .375-16, GR. 5	8
56	LANFNAW3	3/8" Wing Nut	16
57	REDB204	HHCS - .312-18 X 1, GR. 5	3
58	LANFW552	SAE FLAT WASHER - .312	3
59	LAN1616	NYLOC NUT - .312-18, GR. 5	3
60	LANFB103	HHCS - .25-20 X 0.75, GR. 5	1
61	REDWU51	FLAT WASHER - .25	1
62	LANEJRN	FLG NYL NUT - .25-20, GR. 5	1



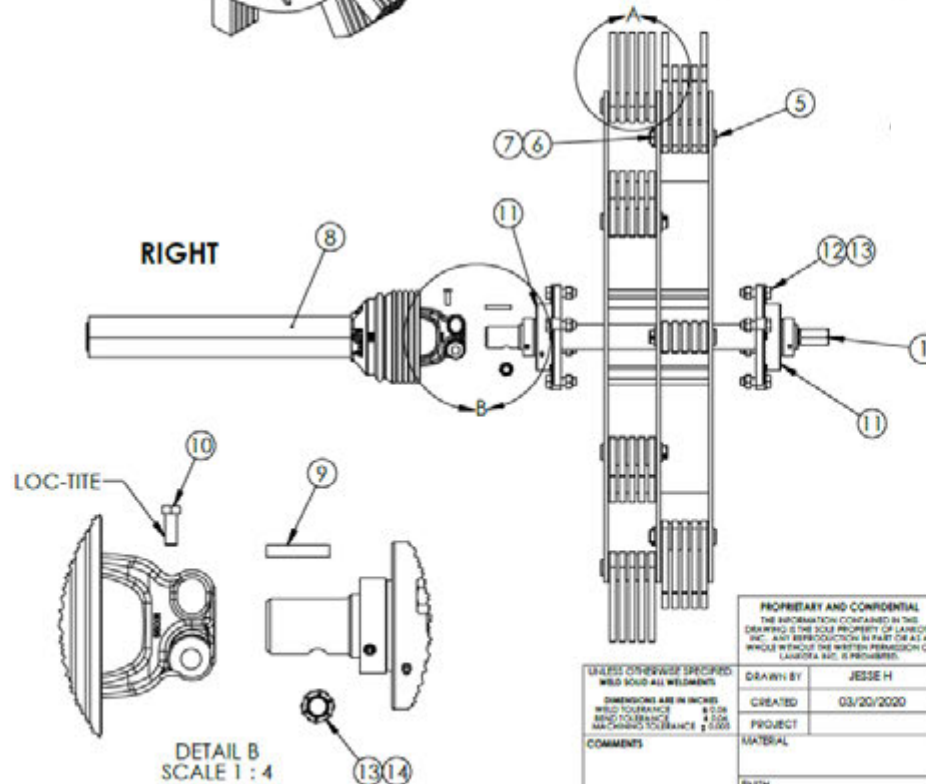
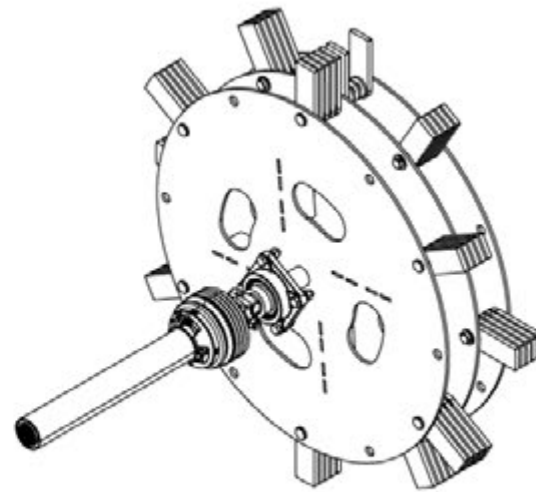
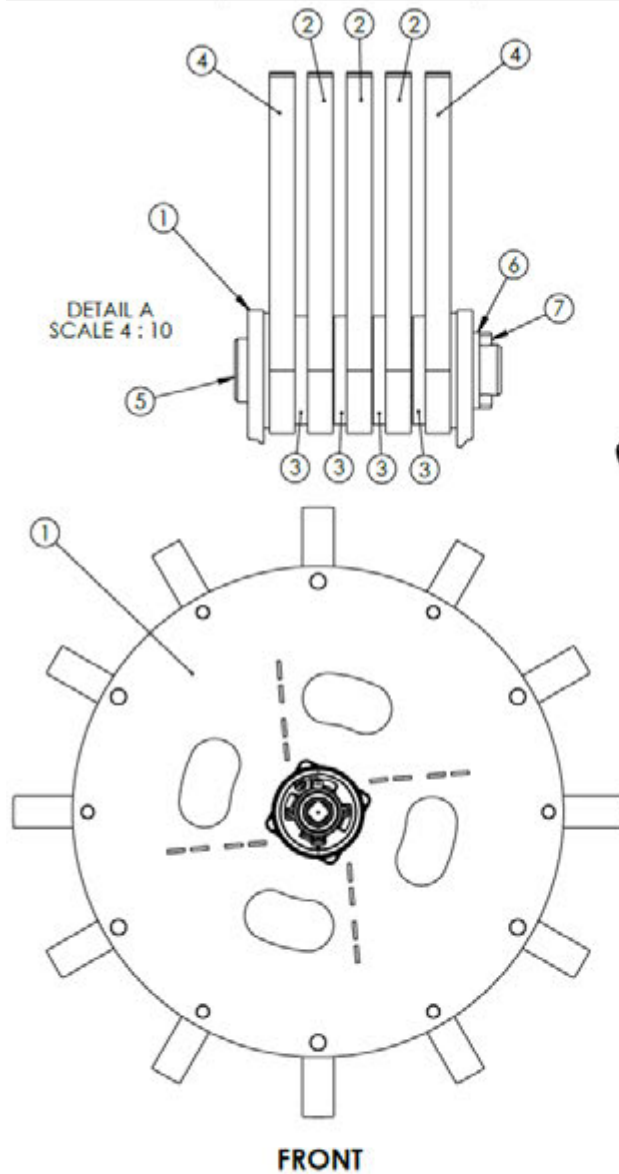
UNLESS OTHERWISE SPECIFIED:
WELD TOLERANCE ± .006
MILL TOLERANCE ± .004
FINISH TOLERANCE ± .003

COMMENTS

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DRAWN BY: JESSE H CREATED: 03/20/2020 PROJECT:		Hammer Mill - 10"	
MATERIAL: FINISH:		SIZE B	REV 03
SCALE: 1:12 WEIGHT: 479.35 SHEET 1 OF 7		DWG. NO. LANCK17157	

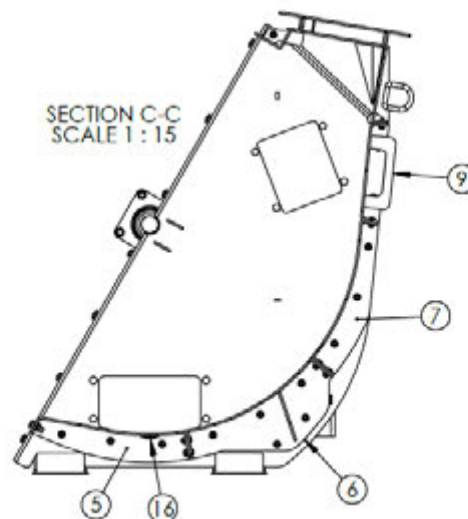
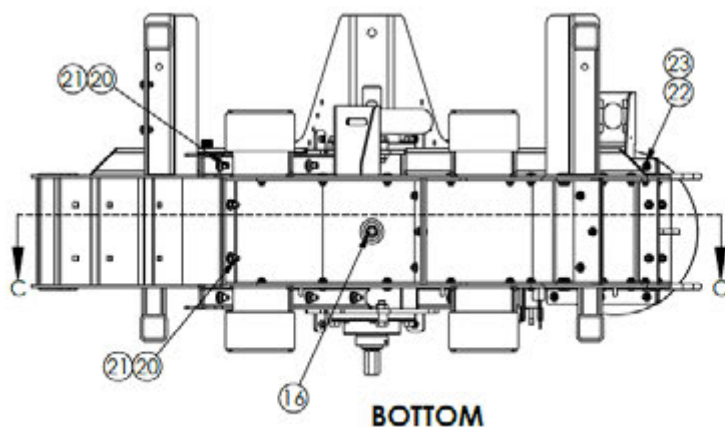
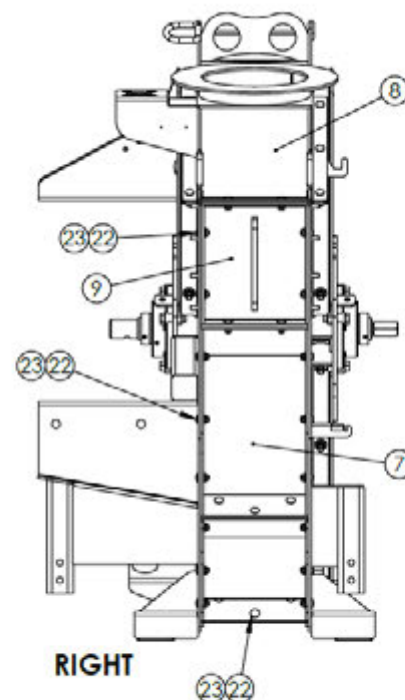
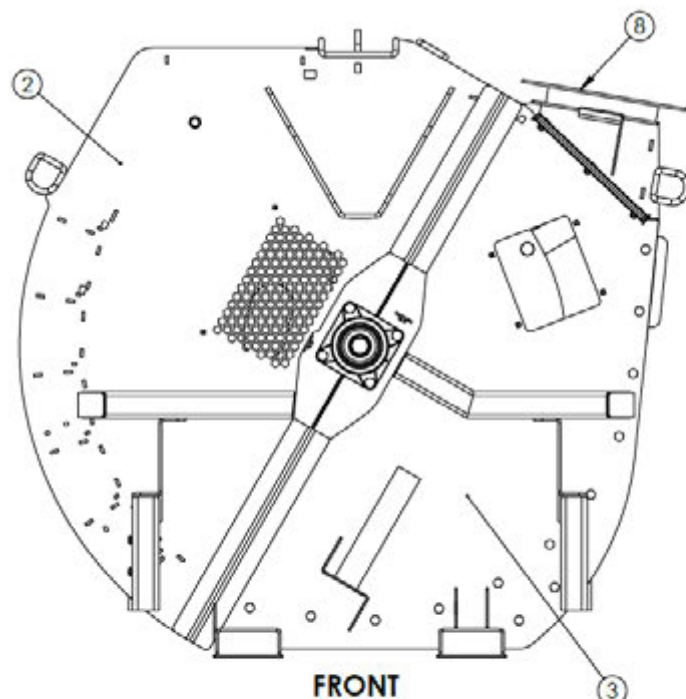
Drum Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	LANCK1100A	Hammer Mill - 10" Drum	1
2	LANCK101	Hammer for Corn Cracker	36
3	LANCK112	Hammer Spacer	48
4	LANCK113	Hammer for Corn Cracker	24
5	LANCK1100P	Corn Cracker Hammer Clevis Pin	12
6	LANF-FWM-1.00	1.00" Machine Washer, 10 GA	12
7	LANF017W	Roll Pin, 1/4" x 1.5"	12
8	LAN92-28453	55E Series Joint & Half Shaft, Mill Half	1
9	RED10BX	3/8" X 2" SQUARE KEY STOCK	1
10	LAN18A00	HHCS - .375-16 X 1, GR. 5	1
11	RED-1000-FB-2.00	NANF 4-Bolt Flange Units	2
12	LAN26B00	HHCS - .625-11 X 2, GR. 5	8
13	REDKRJF	TOP LOCK NUT - .625-11, GR. 5	9
14	REDB712	HHCS - .625-11 X 3, GR. 5	1

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UNLESS OTHERWISE SPECIFIED WELD SHALL BE WELDED DIMENSIONS ARE IN INCHES WELD TOLERANCE .005 HOLE TOLERANCE .005 MAX. FINISH TOLERANCE .005		TITLE:	
COMMENTS:		DRAWN BY: JESSE H CREATED: 03/20/2020 PROJECT:	
MATERIAL:		SIZE: B DWG. NO.: LANCK17157 SCALE: 1:10	
DO NOT SCALE DRAWING		WEIGHT: 2105.02 SHEET 2 OF 7	
		REV: 03	

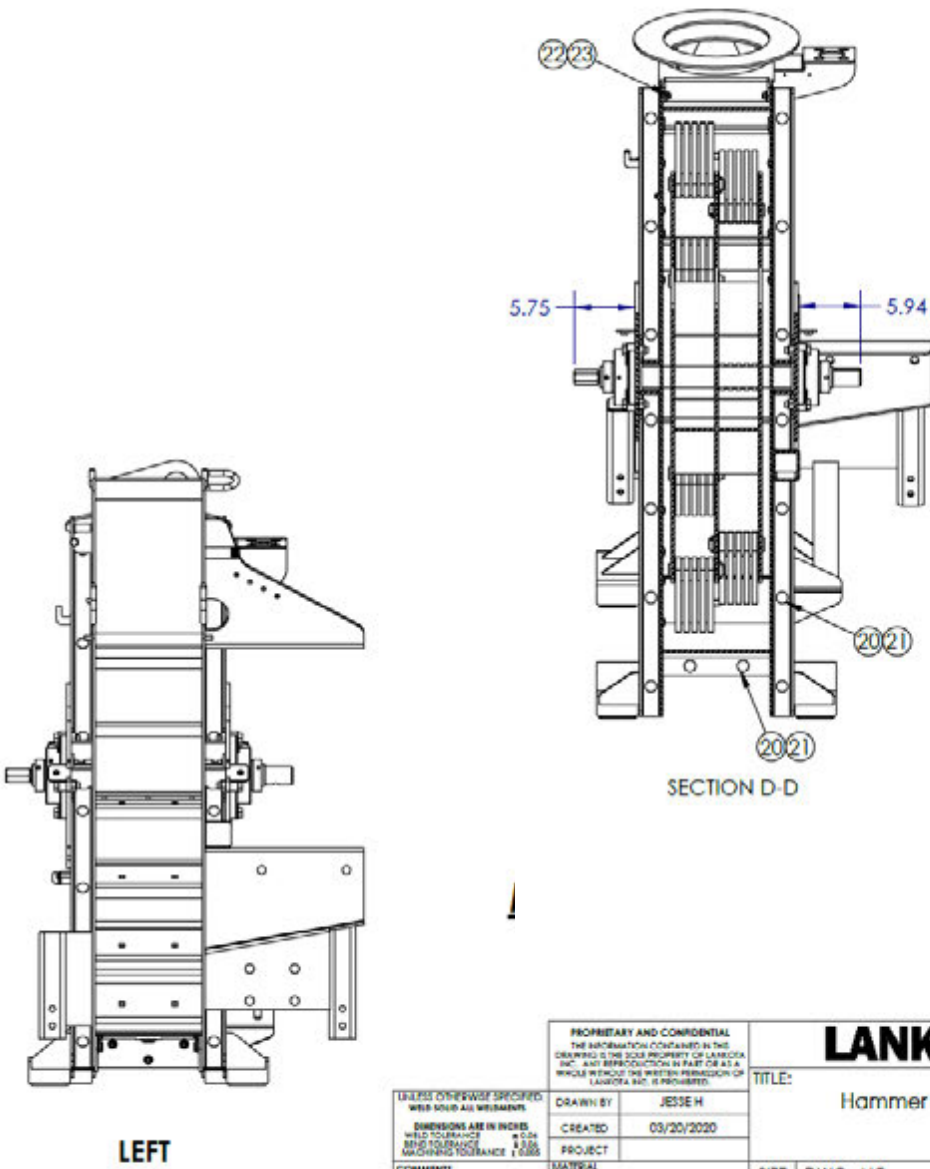
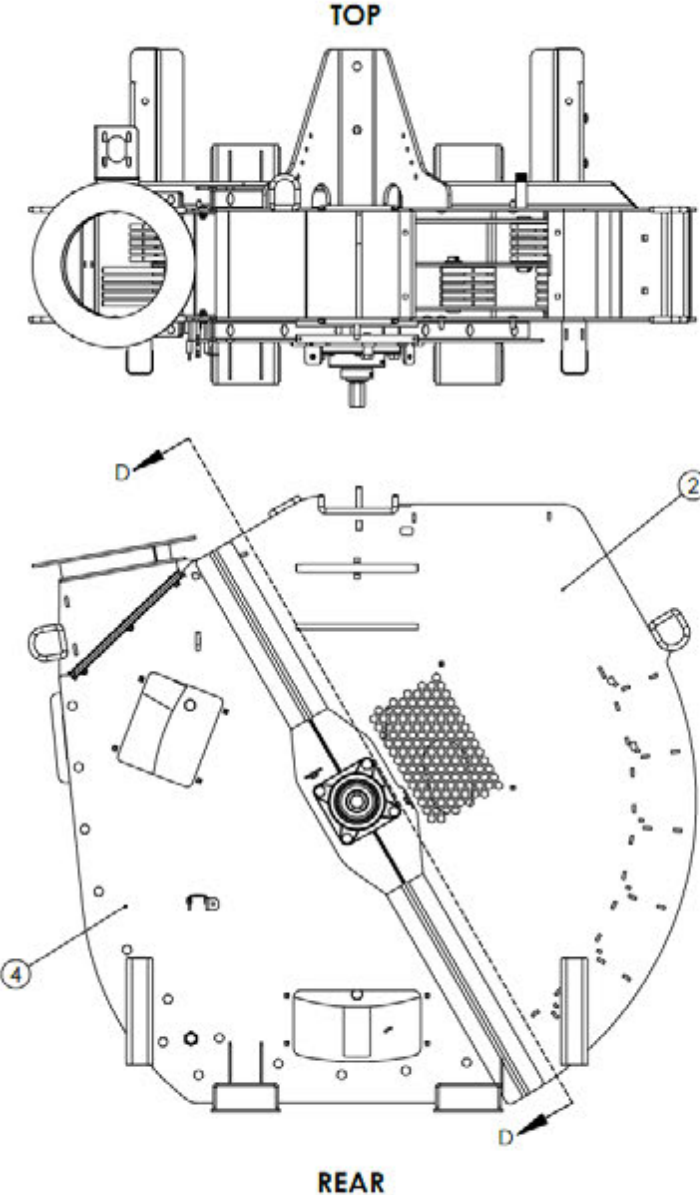
Housing Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	LANCK1100A	Hammer Mill - 10" Drum	1
2	LANCK1100B	Housing - Shear/Intake	1
3	LANCK1100C	Housing Discharge Front	1
4	LANCK1100D	Housing Discharge Rear	1
5	LANCK1100EA	10" Wear Curve	1
6	LANCK1100EB	10" Wear Curve	1
7	LANCK1100EC	10" Wear Curve	1
8	LANCK1100F	10" Discharge Spout Mount	1
9	LANCK1100G	10" Side Door	1
10	LANCK1100P	Corn Cracker Hammer Clevis Pin	12
11	LANCK101	Hammer for Corn Cracker	36
12	LANCK112	Hammer Spacer	48
13	LANCK113	Hammer for Corn Cracker	24
14	LANF-FWM-1.00	1.00" Machine Washer, 10 GA.	12
15	LANF017W	Roll Pin, 1/4" x 1.5"	12
16	LAN4638K718	3/4" NPT Plug	1
17	RED-1000-FB-2.00	NANF 4-Bolt Flange Units	2
18	LAN26B00	HHCS - .625-11 X 2, GR. 5	8
19	REDKRJF	TOP LOCK NUT - .625-11, GR. 5	8
20	LAN506K	CARRBLT - .5-13 X 1.5	16
21	LANFNXC1	FLG NYL NUT - .5-13, GR. 5	16
22	LAN18A	CARRBLT - .375-16 X 1	48
23	LANFNW7G	FLG NYL NUT - .375-16, GR. 5	48

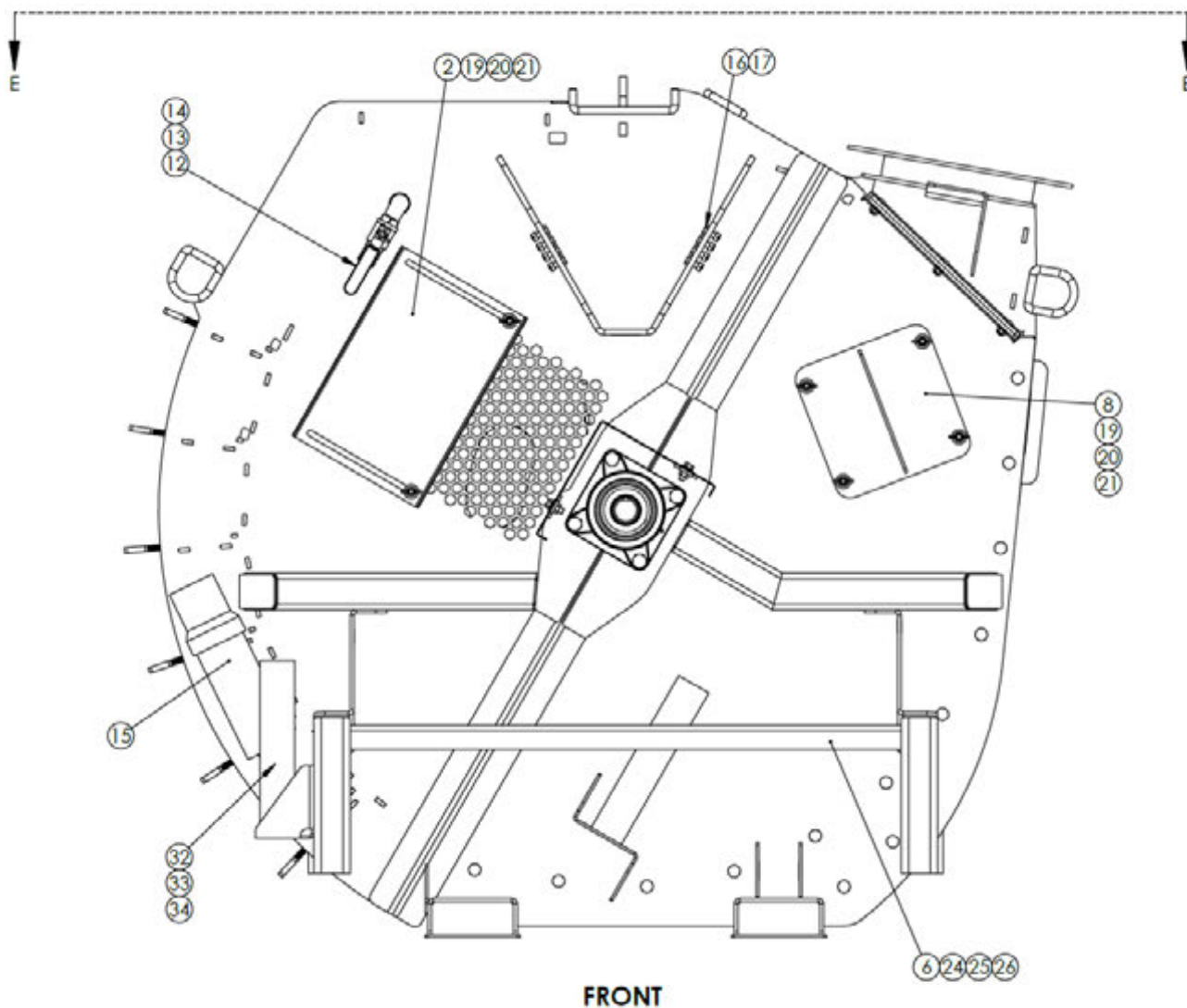
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LANKOTA INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LANKOTA INC. IS PROHIBITED.		LANKOTA	
TITLE: Hammer Mill - 10"		SIZE B	
DWG. NO. LANCK17157		REV 03	
SCALE 1:12		SHEET 3 OF 7	

Housing Assembly



UNLESS OTHERWISE SPECIFIED: WELD: SOLID ALL WELDS DIMENSIONS ARE IN INCHES WELD TOLERANCE: ±0.04 HOLE TOLERANCE: ±0.005 MACHINING TOLERANCE: ±0.005		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LANKOTA INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF LANKOTA INC. IS REQUIRED.		LANKOTA	
DRAWN BY: JESSE H		CREATED: 03/20/2020		TITLE: Hammer Mill - 10"	
PROJECT:		MATERIAL:		SIZE B	DWG. NO. LANCK17157
COMMENTS:		FINISH:		SCALE: 1:12	WRIGHT: 2106.61
DO NOT SCALE DRAWING					REV 03
					SHEET 4 OF 7

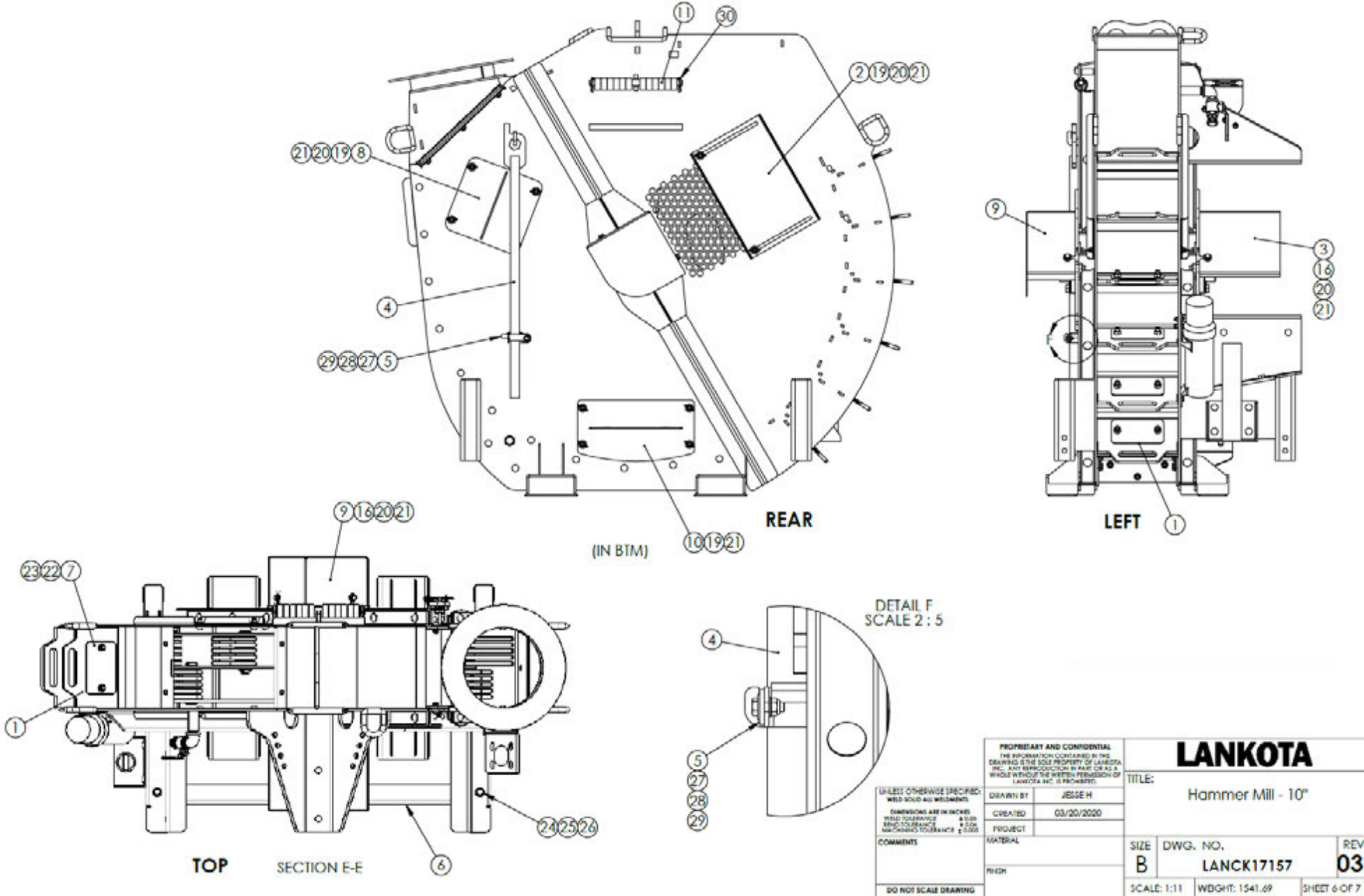
Covers & Panels



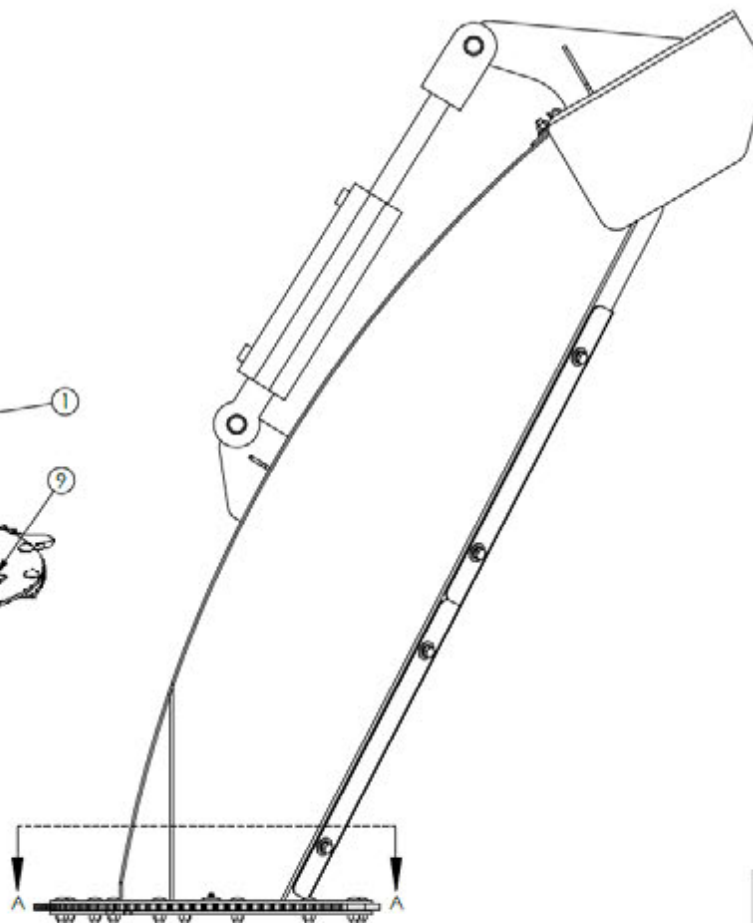
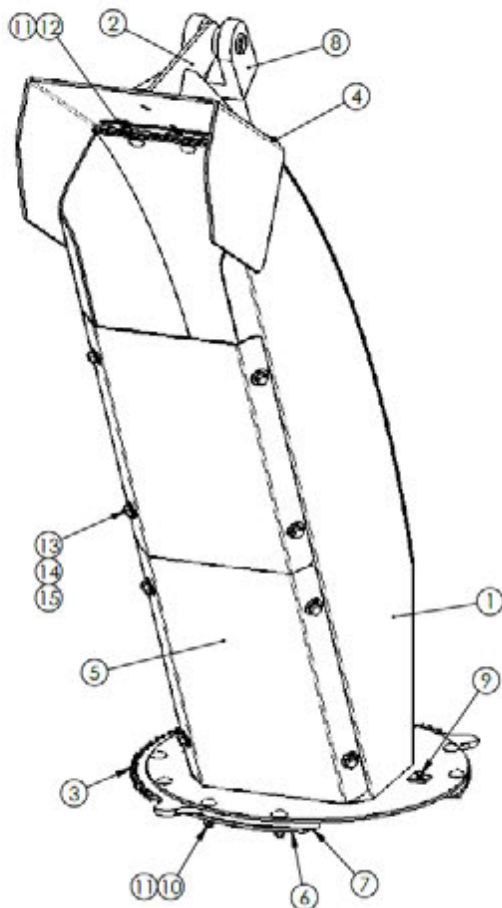
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LANCK1100S	10" Shear Plate	6
2	LANCK102	Air Intake Gate	2
3	LANCK103	PTO Shield	1
4	LANCK104	Hammer Mill Slug Wrench	1
5	LANCK106	Wrench Retainer Latch	1
6	LANCK107	Lower Arm Cross Brace	1
7	LANCK108	Shear Plate Slot Cover	6
8	LANCK109	Hammer Acces Door	2
9	LANCK110	Hammer Mill Rear Shaft Cover	1
10	LANCK111	Clean Out Door	1
11	LANCK114	Hammer Delete Spacer	12
12	LAN47865K24	Brass Ball Valve, 3/4" NPT	1
13	LAN70815T47	3/4"GHT x 3/4"MPT Swivel Adapter	1
14	LAN0401828	Brass 3/4" NPT 90° Street Elbow	1
15	RED01-315C	MANUAL HOLDER CANISTER	1
16	LAN18A00	HHCS - .375-16 X 1, GR. 5	12
17	RED0DTT	TOP LOCK NUT - .375-16, GR. 5	8
18	LANFNW7G	FLG NYL NUT - .375-16, GR. 5	6
19	LANFNW3	3/8" Wing Nut	16
20	REDWL53	LOCK WASHER - .375	20
21	LAN18000	FLAT WASHER - 3/8	20
22	LAN506K	CARRBLT - .5-13 X 1.5	12
23	RED1F30	TOP LOCK NUT - .5-13, GR. 5	12
24	REDB505	HHCS - .5-13 X 1.25, GR. 5	2
25	LANFWS55	SAE FLAT WASHER - .5	2
26	LANFNXC1	FLG NYL NUT - .5-13, GR. 5	2
27	LANFB103	HHCS - .25-20 X 0.75, GR. 5	1
28	REDWU51	FLAT WASHER - .25	1
29	LANEJRN	FLG NYL NUT - .25-20, GR. 5	1
30	LAN1101	LINCH PIN - .188 X 1.56	2
31	LAN18A	CARRBLT - .375-16 X 1	6
32	REDB204	HHCS - .312-18 X 1, GR. 5	3
33	LANFWS52	SAE FLAT WASHER - .312	3
34	LAN1616	NYLOC NUT - .312-18, GR. 5	3
35	LANCK116	2nd PTO Shaft Carrier	1

UNLESS OTHERWISE SPECIFIED: WELD SHALL BE ALL WELDED DIMENSIONS ARE IN INCHES WELD TOLERANCE ± .005 BEND TOLERANCE ± .005 MACHINING TOLERANCE ± .005		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LANKOTA INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LANKOTA INC. IS PROHIBITED.		LANKOTA	
DO NOT SCALE DRAWING		DRAWN BY JESSE H CREATED 03/20/2020 PROJECT MATERIAL FINISH	TITLE: Hammer Mill - 10"		
		SIZE B DWG. NO. LANCK17157 SCALE 1:8	REV 03 WEGHT 1541.69 SHEET 5 OF 7		

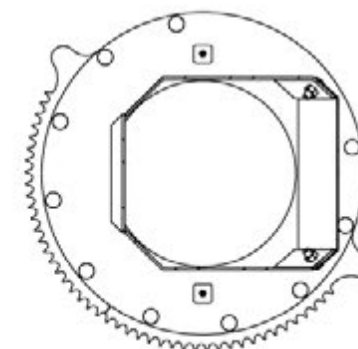
Covers & Panels



Chute Assembly



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LANCK1100SA	Jimmy Chute, Main	1
2	LANCK1100SB	Jimmy Chute Deflector	1
3	LANCK1100SC	Jimmy Chute Gear	2
4	LANCK1100SD	Chute Hinge Cover	1
5	LANCK1100SE	Hammer Mill Chute Enclosing Panel	2
6	RED89SH-0004	Red Devil 8' & 9' Chute Gear Clamp	2
7	RED89SH1011	8/9 FT Blower Chute Clamp Shim	2
8	RED2010111	2X8 DEFLECTOR CYLINDER	1
9	LANF3231	1/4"-28 Grease Zerk	2
10	RED305K	CARRBLT - .375-16 X 1.25	10
11	RED0DIT	TOP LOCK NUT - .375-16, GR. 5	13
12	LAN18A	CARRBLT - .375-16 X 1	3
13	LAN18A00	HHCS - .375-16 X 1, GR. 5	8
14	LAN18000	FLAT WASHER - .375	8
15	REDWL53	LOCK WASHER - .375	8



SECTION A-A

UNLESS OTHERWISE SPECIFIED:
WELD: FILL ALL WELDS
DIMENSIONS ARE IN INCHES
WELD TOLERANCE: ± 0.06
BEND TOLERANCE: ± 0.06
MACHINING TOLERANCE: ± 0.005

COMMENTS:

DO NOT SCALE DRAWING

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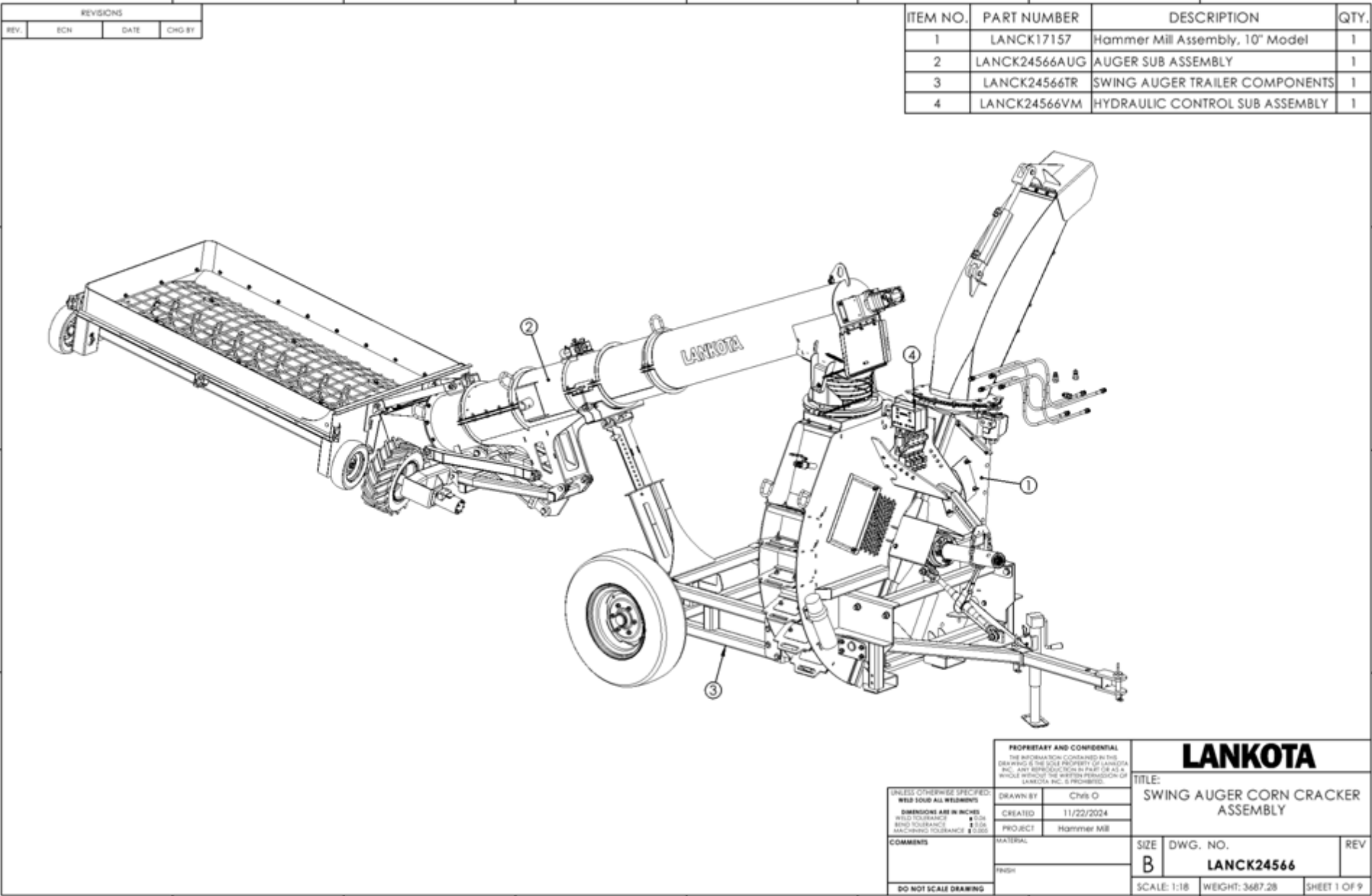
DRAWN BY: JESSE H.
CREATED: 4/21/2017
PROJECT:
MATERIAL:
FINISH:

LANKOTA

TITLE: Hammer Mill Chute Assembly

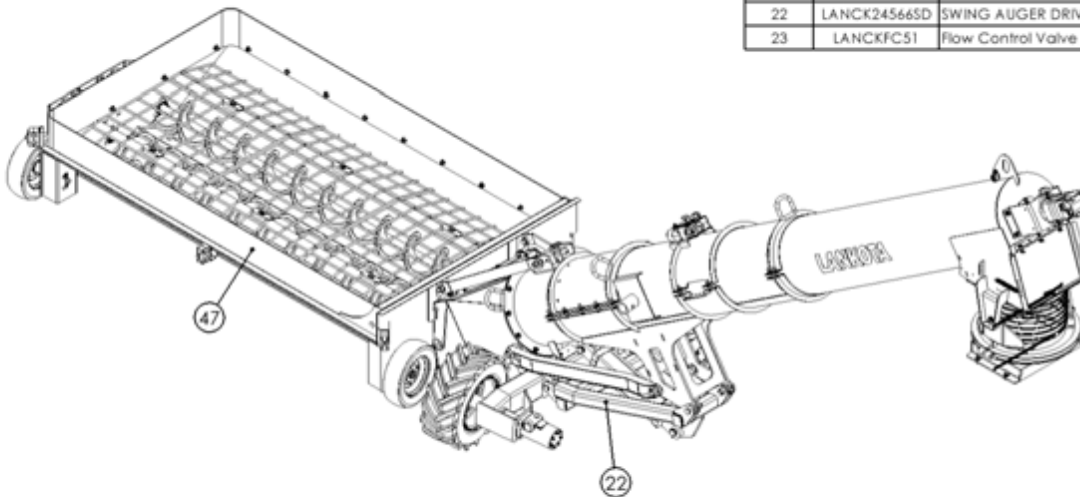
SIZE: B DWG. NO.: LANCK17157SH REV:
SCALE: 1:7 WEIGHT: 111.61 SHEET 1 OF 1

LANCK24566—Swing Auger Corn Cracker Assembly



LANCK24566AUG—Swing Auger Assembly

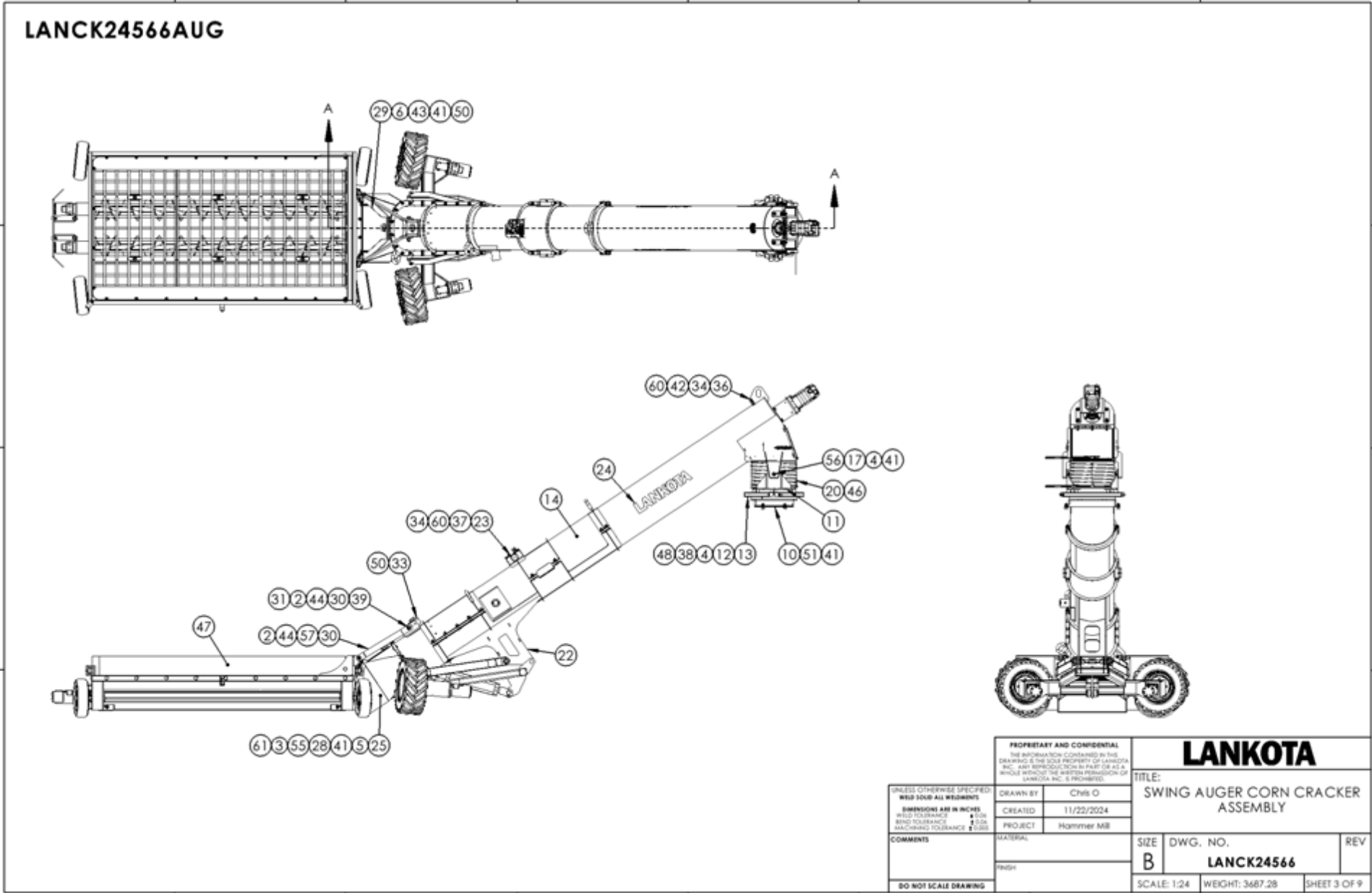
LANCK24566AUG



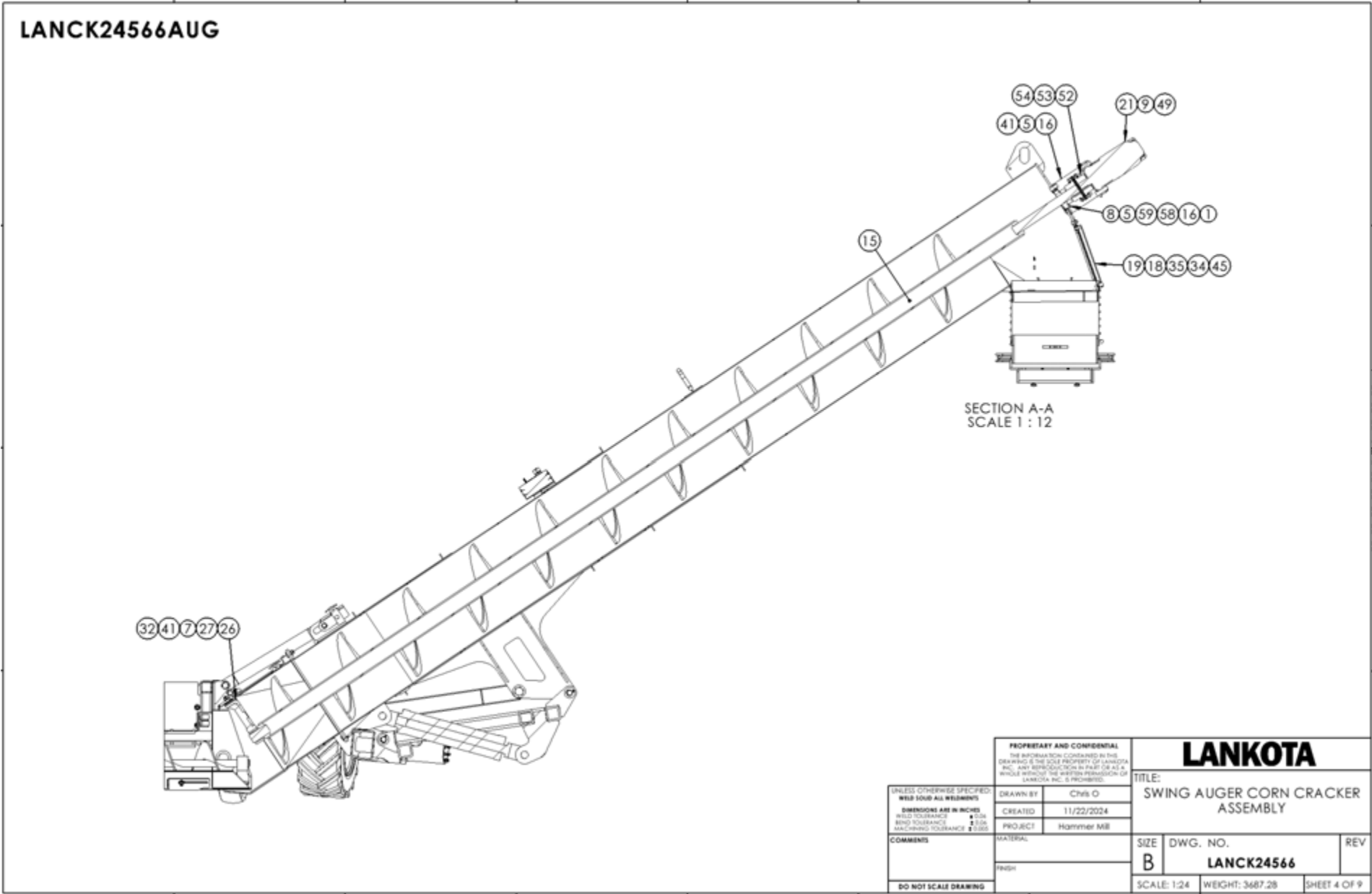
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LAN105	BEARING FLANGE	2	24	LANCKLOGO	Sticker, Vinyl	2
2	LAN1137030	NYLOC NUT - .5-13, GR. 5	3	25	LANCKSWA03	SWING AUGER TRANSITION WELDMENT	1
3	LAN1626000	NYLOC NUT - .625-11, GR. 5	2	26	LANCKSWA06	HANGER BUSHING MOUNT	1
4	LAN18000	FLAT WASHER - .375	6	27	LANCKSWA07	AUGER MOUNT SHIM	3
5	LAN18A	CARRBLT - .375-16 X 1	19	28	LANCKSWA17	PIT WELDMENT PIVOT BUSHING	2
6	LAN18A00	HHCS - 3/8 x 1, GR. 5	2	29	LANCKSWA34	TRANSITION ACCESS COVER	1
7	LAN18A32	CARRBLT - .375-16 X 1.5	4	30	LANCKSWA35	PIT ROTATIONAL SUPPORT	2
8	LAN207205SA	Rnd Bearing, 1.25" w/ Eccentric Collar	1	31	LANCKSWA36	ROTATIONAL SUPPORT BUSHING	1
9	LAN22A32	HHCS - .5-13 X 1.5, GR. 5	2	32	LANCKSWA45	MAIN AUGER SUPPORT BUSHING	1
10	LANCK1100M	Base & Swivel Weldment	1	33	LANCKSWA46	PIT PIVOT LOCK	1
11	LANCK1100N	Upper Swivel Weldment	1	34	LANEJRN	FLG NYL NUT - .25-20, GR. 5	9
12	LANCK1100Q	Plastic Wear Pad	3	35	LANFB103	HHCS - .25-20 X 0.75, GR. 5	6
13	LANCK1100R	Swivel Clamp	2	36	LANFB104	HHCS - .25-20 X 1, GR. 5	1
14	LANCK1100U	Jump Auger 12", Main Weldment	1	37	LANFB110	HHCS - .25-20 X 2.5, GR. 5	2
15	LANCK1100V	Auger, 12" x 10ft	1	38	LANFB314	HHCS - 3/8 x 3.5, GR. 5	2
16	LANCK123	Auger Hyd Motor Mount	1	39	LANFB526	HHCS - .5-13 X 6.5, GR. 5	1
17	LANCK124	Pivot Bushing	2	40	LANFHMJON	Machine Key, 1/4" X 1.00"	1
18	LANCK136	Piano Hinge (SS)	1	41	LANFNW7G	FLG NYL NUT - .375-16, GR. 5	28
19	LANCK137	Relief Door	1	42	LANFTFK5	Cushion Loop Clamp - 7/8"	2
20	LANCK156	Flex Duct Transition	1	43	LANFW553	SAE FLAT WASHER - .375	2
21	LANCK1671	Hyd Motor, 104-1671-006	1	44	LANFW555	SAE FLAT WASHER - .5	6
22	LANCK24566SD	SWING AUGER DRIVE ASSEMBLY	1	45	LANH217334	COIL SPRING	2
23	LANCKFC51	Flow Control Valve	1	46	LANHK4X7	1/2" Wide Spout Clamp	2
				47	LANCK24566PIT	PIT SUB ASSEMBLY	1
				48	RED0DTT	TOP LOCK NUT - .375-16, GR. 5	2
				49	RED1F30	TOP LOCK NUT - .5-13, GR. 5	2
				50	RED21940	LINCH PIN - .438 X 1.50	2
				51	RED305K	CARRBLT - .375-16 X 1.25	4
				52	RED56SS-C1	SPROCKET COUPLER 1.0" BORE 16T 50#	1
				53	RED56SS-C2	SPROCKET COUPLER 1.25" BORE 16T 50#	1
				54	RED56SS-C3	Sprocket Coupler - Chain, 16 Link, #50	1
				55	RED708K	CARRBLT - .625-11 X 2	2
				56	REDB306	HHCS - 3/8 x 1.5, GR. 5	2
				57	REDB508	HHCS - .5-13 X 2, GR. 5	2
				58	REDNAF3	HEX NUT - .375-16, GR. 5	3
				59	REDWL53	LOCK WASHER - .375	3
				60	REDWU51	FLAT WASHER - .25	3
				61	LAN26000	FLAT WASHER - 5/8	2

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UNLESS OTHERWISE SPECIFIED: WELD TOLERANCE: .004 BOND TOLERANCE: .004 MACHINING TOLERANCE: .005			SWING AUGER CORN CRACKER ASSEMBLY		
DO NOT SCALE DRAWING			SIZE B	DWG. NO. LANCK24566	REV
			SCALE: 1:18	WEIGHT: 3687.28	SHEET 2 OF 9

LANCK24566AUG—Swing Auger Assembly

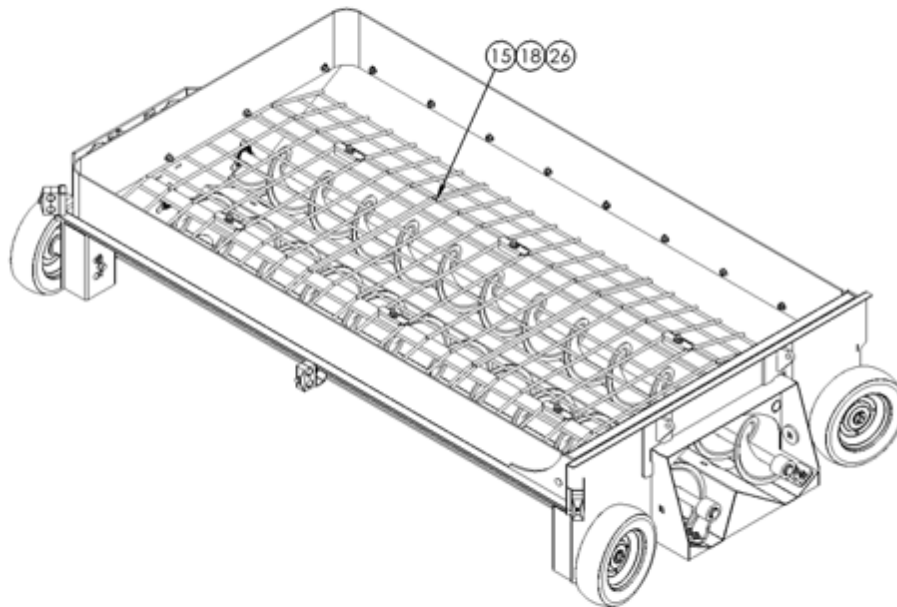


LANCK24566AUG—Swing Auger Assembly



LANCK24566PIT—Swing Auger Pit Assembly

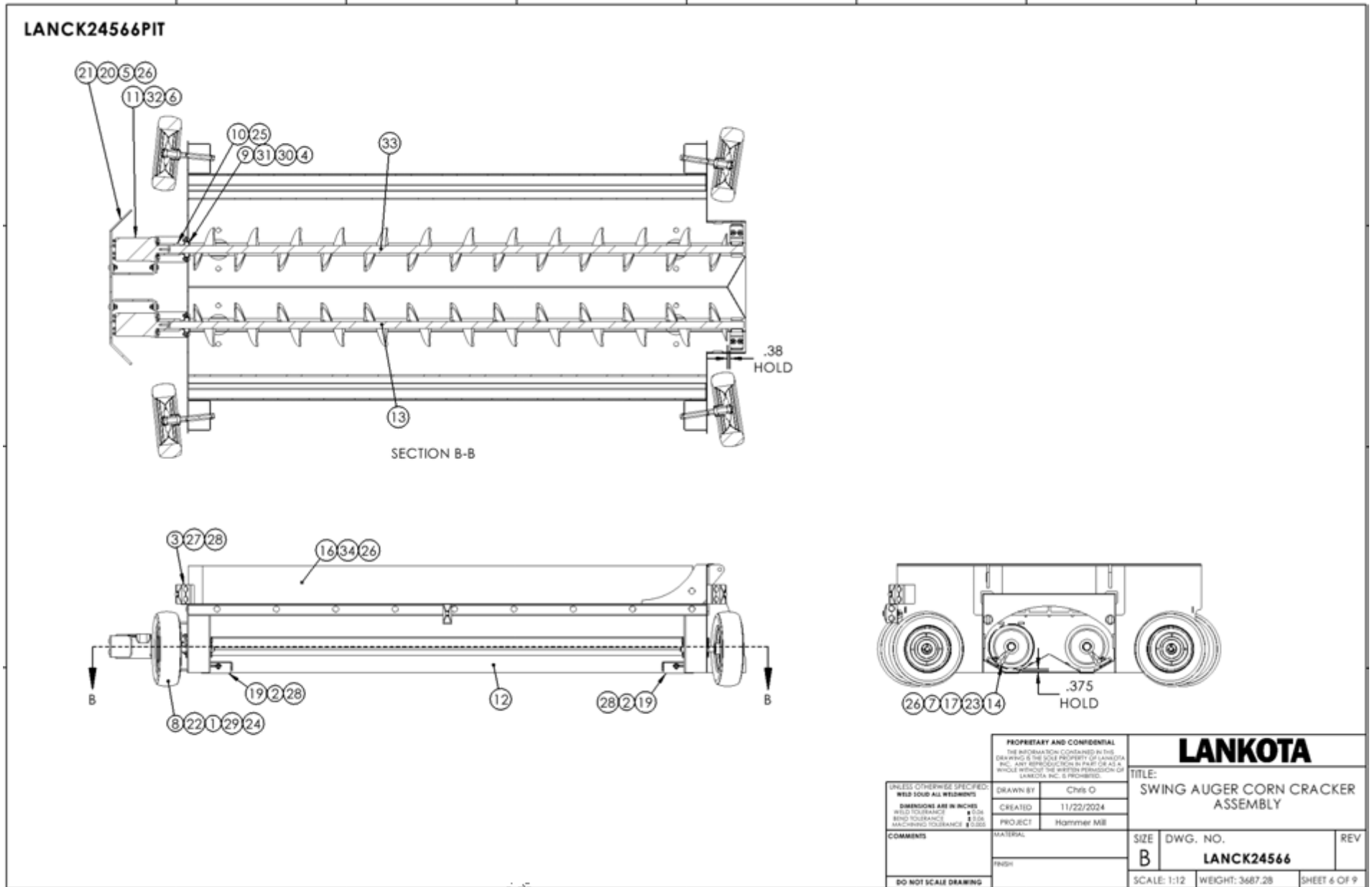
LANCK24566PIT



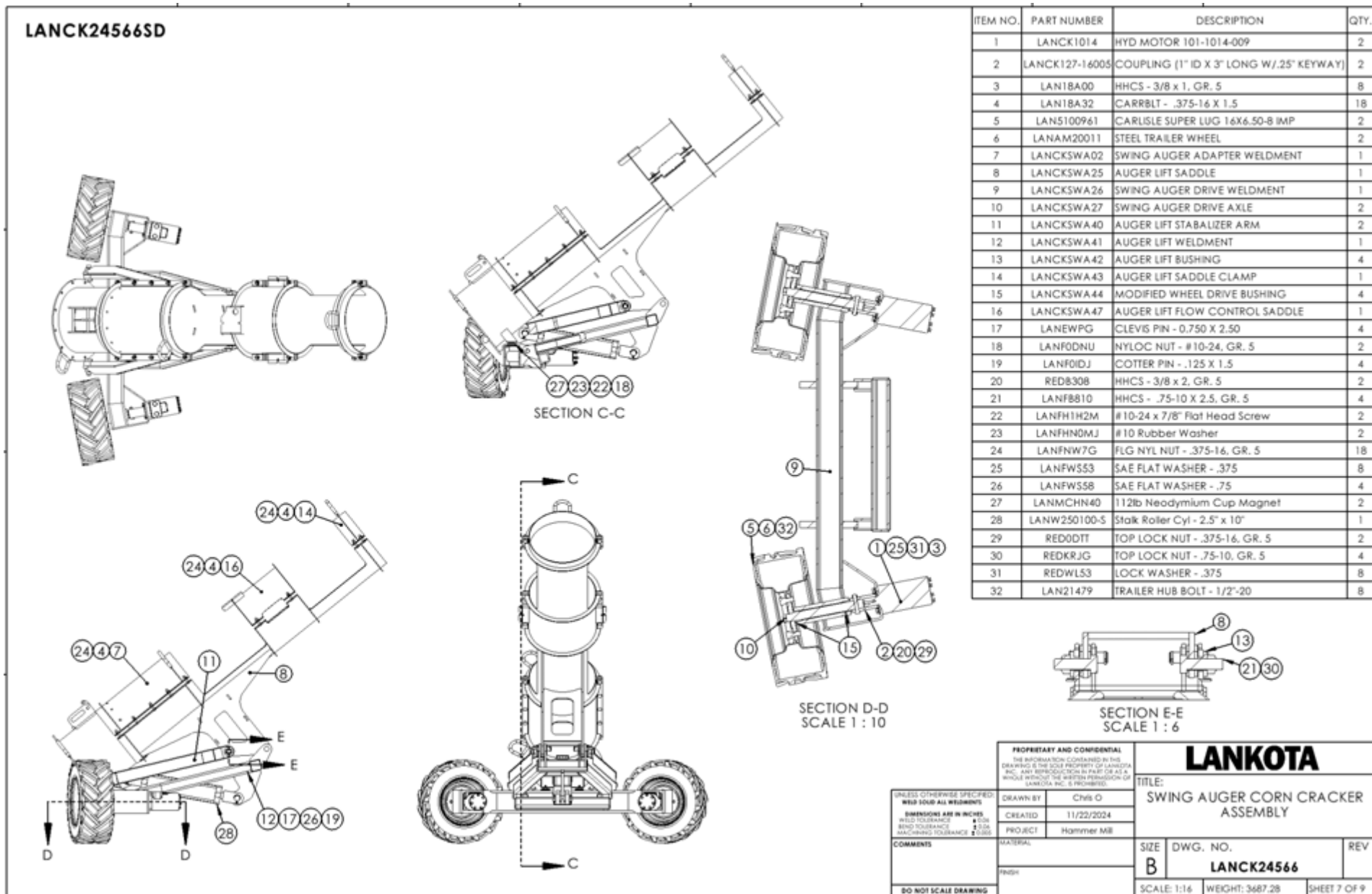
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LAN2206	HP COTTER PIN - .125-.63 X 2.38	8
2	LAN1133	FLAT WASHER - .312	8
3	LAN13089FS & 132567	HYD HOSE HOLDER	3
4	LAN1616	NYLOC NUT - .312-18, GR. 5	6
5	LAN18A	CARRBLT - .375-16 X 1	14
6	LAN18A00	HHCS - 3/8 x 1, GR. 5	8
7	LAN18A32	CARRBLT - .375-16 X 1.5	4
8	LAN483811	FLAT FREE WHEEL	4
9	LAN52MM3ZP	Bearing Flange	4
10	LAN127-1600	COUPLING (1" ID X 3" LONG W/.25" KEYWAY)	2
11	LANCK1751	HYD MOTOR 101-1751-009	2
12	LANCKSWA01	SWING AUGER PIT WELDMENT	1
13	LANCKSWA09	PIT AUGER - LEFT HAND FLIGHTING	1
14	LANCKSWA10	PIT AUGER BUSHING MOUNT	2
15	LANCKSWA11	SWING AUGER PIT COVER	3
16	LANCKSWA13	SWING AUGER PIT EXTENSION	1
17	LANCKSWA14	BEARING MOUNT SHIM	6
18	LANCKSWA15	SWING AUGER GRATE CLAMP	6
19	LANCKSWA33	PIT CLEANOUT COVER	4
20	LANCKSWA37	MOTOR PROTECTOR MOUNT BRACKET	2
21	LANCKSWA38	MOTOR GUARD	1
22	LANCKSWA39	PIT WHEEL AXLE	4
23	LANCKSWA48	PIT AUGER SUPPORT BUSHING	2
24	LANF01DJ	COTTER PIN - .125 X 1.5	4
25	LANFHMJ0N	Machine Key, 1/4" X 1.00"	2
26	LANFNW7G	FLG NYL NUT - .375-16, GR. 5	42
27	RED8210	HHCS - .312-18 X 2.5, GR. 5	3
28	LANFRYK8	FLG NYL NUT - .312-18, GR. 5	11
29	LANFWS57	SAE FLAT WASHER - .625	4
30	LANFXG26	CARRBLT - .312-18 X .75	6
31	LANMOU20516GSA	Bearing with Lock Collar	2
32	REDWL53	LOCK WASHER - .375	8
33	LANCKSWA08	PIT AUGER - RIGHT HAND FLIGHTING	1
34	LANFK303	CARRBLT - .375-16 X 0.75	18

UNLESS OTHERWISE SPECIFIED: WELD 100D ALL WELDMENTS DIMENSIONS ARE IN INCHES WELD TOLERANCE ±.005 HOLE TOLERANCE ±.005 FINISH TOLERANCE ±.005		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LANKOTA INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LANKOTA INC. IS PROHIBITED.		LANKOTA	
COMMENTS		DRAWN BY CHS O		TITLE: SWING AUGER CORN CRACKER ASSEMBLY	
DO NOT SCALE DRAWING		CREATED 11/22/2024		SIZE B	
		PROJECT Hammer Mill		DWG. NO. LANCK24566	
		MATERIAL		REV	
		FINISH		SCALE: 1:12	
				WEIGHT: 3687.28	
				SHEET 5 OF 9	

LANCK24566PIT—Swing Auger Pit Assembly



LANCK24566SD—Swing Drive Assembly



LANCK24566TR—Swing Auger Trailer Components

LANCK24566TR

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LANF1EBW	HHCS - .5-13 X 4, GR. 8	16	11	LANCK165	Auger Tie-Down Bracket	2
2	LANI133	FLAT WASHER - .312	2	12	LANCK167	Turn Knob, 5/16", Hex-Lobed	2
3	LAN22000	FLAT WASHER - .5	32	13	LANCK2045	Hitch Weldment	1
4	LAN22A32	HHCS - .5-13 X 1.5, GR. 5	16	14	LANCK2046	Hitch Extension Tube Weldment	1
5	LAN92-28453	DRIVESHAFT	1	15	LANCK2047	Hitch Pivot/Mount	2
6	LAN8BJACK	JACK - REESE WELD ON, 2000# CAP.	1	16	LANCK2049	Chain, PTO Hanger	1
7	LANC8RSJJ10	Ratchet Binder, 10", Jaw-Jaw	1	17	LANCK2050	Driveshaft Hanger (from Top 3 Pt)	1
8	LANCK127	Support Clamp Plate	2	18	LANCKSWA20	SWING AUGER STOW SUPPORT & AXLE MOUNT - RIGHT	1
9	LANCK139	Jump Auger Storage Rest	1	19	LANCKSWA21	SWING AUGER STOW SUPPORT & AXLE MOUNT - LEFT	1
10	LANCK162	Hitch Turnbuckle Brace Bar	1	20	LANCKSWA23	AXLE MOUNT STABILIZER	1
				21	LANCKSWA32	AUGER STOW SUPPORT WELDMENT	1
				22	LANF216K	CARRBLT - 5/16 x 4, Full Thread	2
				23	LANF8322	HHCS - 3/8 x 5.5, GR. 5	2
				24	LANF8536	HHCS - .5-13 X 8, GR. 5	1
				25	LANFHG3	5/16" Carabiner, Zinc	2
				26	LANFWN7G	FLG NYL NUT - .375-16, GR. 5	2
				27	LANFWS53	SAE FLAT WASHER - .375	2
				28	LANFWS55	SAE FLAT WASHER - .5	34
				29	LANFWS58	SAE FLAT WASHER - .75	10
				30	LANHH20253	Hitch Pin, 1.00" x 4.50"	2
				31	LANNAS2	SER FLNG LN - .313-18, GR. 5	2
				32	LANSS704	Stalk Stamper Pin Assembly - Bent	1
				33	RED1F30	TOP LOCK NUT - .5-13, GR. 5	34
				34	RED8512	HHCS - .5-13 X 3, GR. 5	1
				35	RED8807	HHCS - .75-10 X 1.75, GR. 5	5
				36	REDKRJG	TOP LOCK NUT - .75-10, GR. 5	5
				37	REDWL52	LOCK WASHER - .312	2
				38	LANCK2044	Spindle, Bolt-On	2
				39	LANL256313	Hub, Trailer	2
				40	LAN4901556	Rim, 15x6, 6 on 6"	2
				41	LAN225-75R15	Tire, 275/75R15	2
				42	LANLM48548	Bearing, Inner, 281021 Hub	2
				43	LANLM67048	Bearing, Outer, 281021 Hub	2
				44	REDWU58	FLAT WASHER - 3/4	2
				45	LANFOIF0	COTTER PIN - .1875 X 2	2
				46	LANFNTM0	1/2"-20, 60 Deg. Gr 2 Lug Nut	12
				47	LAN906295	Seal, Spindle/Hub 281020	2
				48	LANP502026	Dust Cover, Hub L256313	2
				49	LANF912953	Slotted Nut, 3/4"-16	2

UNLESS OTHERWISE SPECIFIED:
WELD TOUGH ALL WELDS
DIMENSIONS ARE IN INCHES
WELD TOLERANCE: ±.010
BEND TOLERANCE: ±.010
MACHINING TOLERANCE: ±.005

COMMENTS: DO NOT SCALE DRAWING

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LANKOTA INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LANKOTA INC. IS PROHIBITED.

DRAWN BY: CHS O
CREATED: 11/22/2024
PROJECT: Hammer Mill

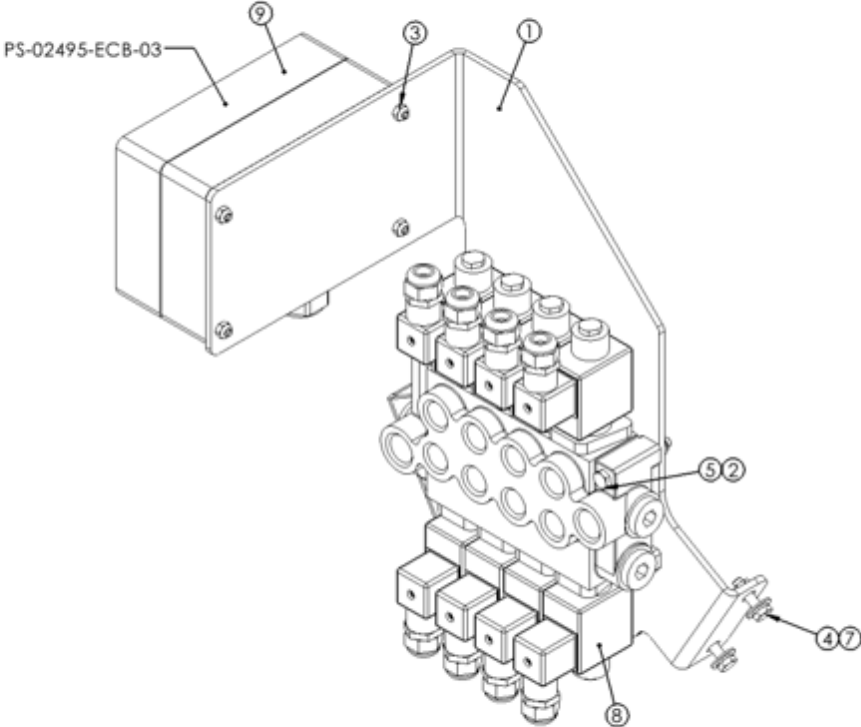
MATERIAL:
FINISH:

LANKOTA
TITLE: SWING AUGER CORN CRACKER ASSEMBLY

SIZE: B DWG. NO. LANCK24566 REV:
SCALE: 1:12 WEIGHT: 3689.40 SHEET 8 OF 9

LANCK24566VM—Valve Mount Assembly

LANCK24566VM

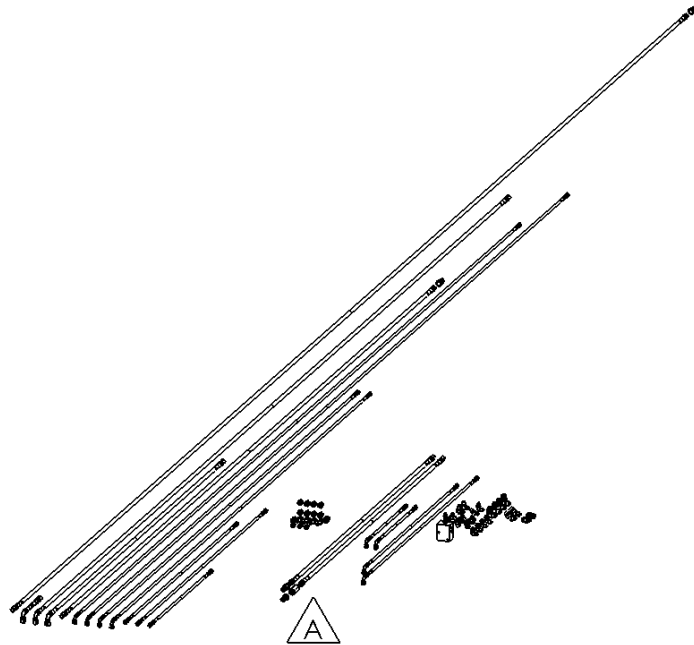


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LANCK255	CONTROLS MOUNT FOR SWING AUGER	1
2	LANEJRN	FLG NYL NUT - .25-20, GR. 5	2
3	LANFODNT	NYLOC NUT - #8-32	4
4	LANFB104	HHCS - .25-20 X 1, GR. 5	4
5	LANFRV5T	HHCS - .25-20 X 2.25, GR. 5	2
6	REDWL51	LOCK WASHER - .25	4
7	REDWU51	FLAT WASHER - .25	4
8	LANHCVS4X13	Hyd Control Valve, 2 Spool/4 Solenoid	1
9	LANCK245WIR	SWING AUGER CONTROL BOX/WIRING	1

UNLESS OTHERWISE SPECIFIED: WELD TOLERANCE: 1/16" BEND TOLERANCE: 1/16" MATCHING TOLERANCE: 1/16" DO NOT SCALE DRAWING		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LANKOTA INC. AND REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LANKOTA INC. IS PROHIBITED.		LANKOTA	
DRAWN BY: Chris O		CREATED: 11/22/2024		PROJECT: Hammer MB	
MATERIAL:		SIZE: B		DWG. NO. LANCK24566	
FINISH:		SCALE: 1:3		WEIGHT: 3687.28	
		SHEET 9 OF 9			

LANCK245HK—Swing Auger Hydraulic Kit

REVISIONS			
REV.	ECN	DATE	CHG BY
A	ECN-0304	10/16/2025	CO



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2406-06-06 R.031	#6 JIC Male x Female - 1/32" Orifice	3
2	2501-06-06	#6 Male JIC x #6 Male NPT - 90	2
3	6400-06-08	#6 Male JIC x #8 Male ORB - Straight	8
4	6400-06-10	#6 Male JIC x #10 Male ORB - Straight	6
5	6400-08-10	#8 MALE JIC TO #10 MALE ORB - STRAIGHT	4
6	6400L-06-08	#6 Male JIC x #8 Male ORB Long- Straight	4
7	6500-06-06	#6 Male JIC x #6 Femail JIC - 90 deg	4
8	6801-06-06	#6 Male JIC x #6 Male ORB - 90 deg	1
9	6801-08-10	#8 MALE JIC TO #10 MALE ORB - 90	4
10	6802-06-06	#6 MALE JIC TO #6 MALE ORB - 45	1
11	6802-08-10	#8 MALE JIC TO #10 MALE ORB - 45	2
12	LANCKH04	Hyd Hose, 1/2" x 76", #8 JIC-F x #8 ORB-M	2
13	LANCKH05	Hyd Hose, 1/4" x 21.5", #6 JIC-F x #6 JIC-F 90	2
14	LANCKH06	Hyd Hose, 1/4" x 50", #6 JIC-F x #6 JIC-F 90	1
15	LANCKH07	Hyd Hose, 1/4" x 61", #6 JIC-F x #6 JIC-F 90	1
16	LANCKH11	Hyd Hose, 1/4" x 69", #6 JIC-F X #6 JIC-F - Lift Cyl Rod End	1
17	LANCKH12	Hyd Hose, 1/4" x 60", #6 JIC-F x #6 JIC-F - Lift Cyl Base End	1
18	LANCKH13	Hyd Hose, 1/4" x 259", #6 JIC-F X #6 JIC-F 90 - Drive LH Outside	1
19	LANCKH14	Hyd Hose, 1/4" x 240", #6 JIC-F x #6 JIC-F 90 - Drive RH Outside	1
20	LANCKH15	Hyd Hose, 1/2" x 200", #8 JIC-F x #8 ORB-M - Flow Control Supply	1
21	LANCKH16	Hyd Hose, 1/2" x 94", #8 JIC-F x #8 JIC-F 90 - Flow Control to Motor	1
22	LANCKH17	Hyd Hose, 1/2" x 254", #8 JIC-F x #8 JIC-F 90 - Main Auger to Pit Auger	1
23	LANCKH18	Hyd Hose, 1/2" x 9.3", #8 JIC-F x #8 JIC-F 90 - Pit Auger Connector	1
24	LANCKH19	Hyd Hose, 1/2" x 362", #8 JIC-F x #8 ORB-M - Pit Auger to Tractor	1
25	LANCKH20	Hyd Hose, 1/4" x 33", #6 JIC-F x #6 JIC-F - Drive to Drive	1
26	LANCKH21	Hyd Hose, 1/4" x 139", #6 JIC-F x #6 JIC-F 90 - CB Valve to Hyd Block	2
27	Pioneer 8010-15P	Male Quick Coupler - #8 Female ORB	4
28	FC-08R	CHECK VALVE	1
29	VA2847-1 5-2	COUNTERBALANCE VALVE	1

UNLESS OTHERWISE SPECIFIED: WELD SOLID ALL WELDMENTS DIMENSIONS ARE IN INCHES WELD TOLERANCE ± 0.031 BEND TOLERANCE ± 0.031 MACHINING TOLERANCE ± 0.008 COMMENTS DO NOT SCALE DRAWING		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF LANKOTA INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF LANKOTA INC. IS PROHIBITED.		LANKOTA TITLE: SWING AUGER CK HYD HOSE KIT	
		DRAWN BY	CEO		
		CREATED	12/26/2024		
		LAST SAVED	10/16/2025		
		PROJECT	Hammer Mill	SIZE DWG. NO. A LANCK245HK	
		MATERIAL		SCALE: 1:32 WEIGHT: 186.98 SHEET 1 OF 2	REV -
		FINISH			

LANCK245HYD—Swing Auger Hydraulic Kit

