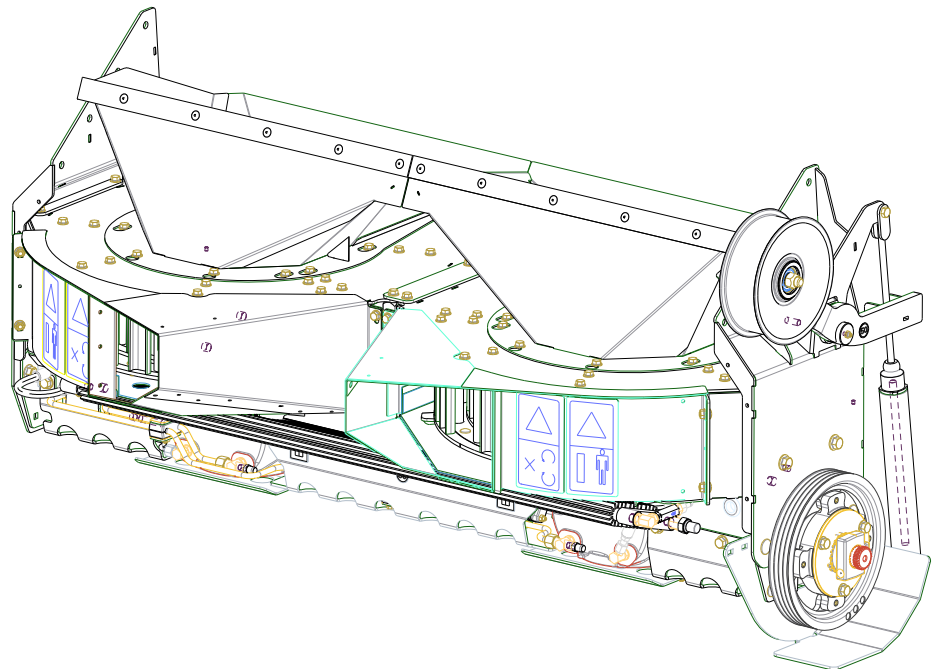
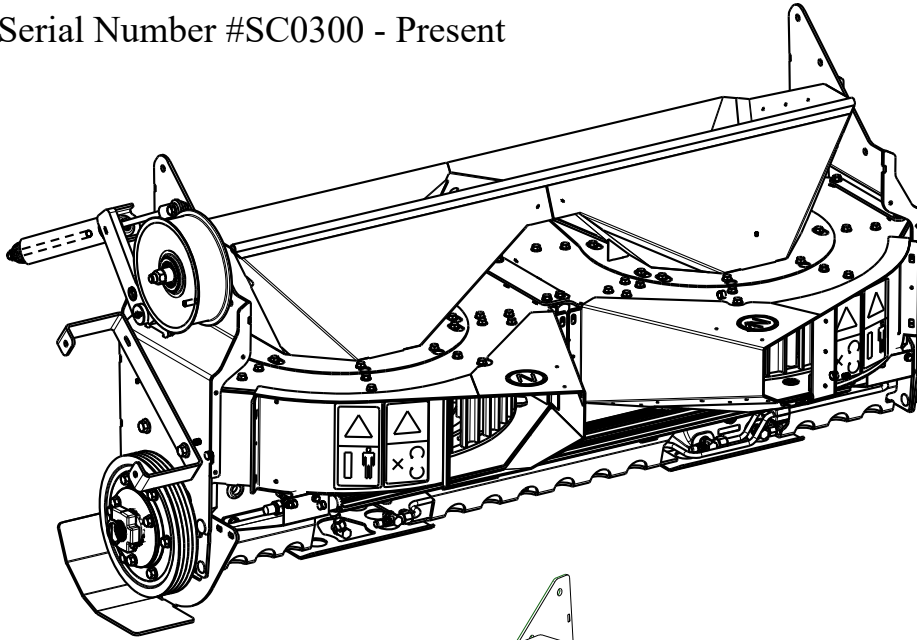


SCU Rotor and Stator Replacement/Exchange Guide - MY22

Serial Number #SC0300 - Present



SCU Rotor and Stator Replacement/Exchange Guide

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Read and Understand This Manual Before Operating This Machine

- Learn how to operate and service the machine correctly. Failure to do so could result in personal injury or equipment damage. Redekop will not accept any responsibility for any damage or malfunctions resulting from failure to comply with the operator's manual.
- If you do not understand the information in this manual, or if you have questions, contact Redekop Customer Service.
- This manual should be considered a permanent part of your machine and should remain with the machine when you sell it.
- Redekop reserves the right to alter illustrations and technical data contained in this manual.
- The contents of this manual are intellectual property of Redekop. All use and/or reproduction not specifically authorized by Redekop is prohibited.
- All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. Redekop reserves the right to make changes at any time without notice.



ATTENTION!
Low Battery or alternator voltage can cause system errors

0 Safety

0.1 Instructions

0.1.1 IMPORTANT: Read through this instruction manual thoroughly and familiarize yourself with the Seed Control Unit before operating these components.

This instruction manual explains the proper procedure for operating the Redekop Seed Control Unit.



0.2 Recognize Safety Information

0.2.1 This is a safety-alert symbol. When you see this symbol on your straw chopper or in this manual, be alert to the potential for personal injury.



Follow recommended precautions and safe operating practices.

0.3 Understand Signal Words

0.3.1 A signal word - DANGER, WARNING, or CAUTION - is used with the safety-alert symbol. DANGER identifies the most serious hazards.

WARNING or CAUTION safety signs are located near specific hazards or precautionary areas in this manual.



0.4 Follow Safety Instructions

0.4.1 Carefully read all safety messages in this manual and on your machine. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new Seed Control Unit components and repair parts include the current safety signs. Replacement safety signs are available from your dealer.



There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

Learn how to operate the Seed Control Unit and how to use controls properly. Do not let anyone operate without instruction.

Keep your Seed Control Unit in proper working condition. Unauthorized modifications to the Seed Control Unit may impair the function and/or safety and affect the Seed Control Unit's life.

If you do not understand any part of this manual and need assistance, contact your dealer.

0.5 Safe Operating Practices

0.5.1 DO NOT stand near the straw chopper and Seed Control Unit when combine is running.

ALWAYS refer to your Combine Operator's Manual, and review the Safety section before operating machine. The Combine Operator's Manual details safe operating practices that must be followed to protect you and others from accidental injury and/or death.

Operate Seed Control Unit only when all guards are correctly installed.

Before moving away, always check immediate vicinity of Seed Control Unit (e.g. for children). Ensure adequate visibility. Use a horn as a warning immediately before moving away.

When making turns, always take into consideration the width of the attachment and the fact that the rear end of the machine swings out. Attachments and ground conditions affect the driving characteristics.

Never leave combine unattended as long as engine is running.



0.6 Work In Ventilated Area

0.6.1 Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.

If you do not have an exhaust pipe extension, open the doors and get outside air into the area.

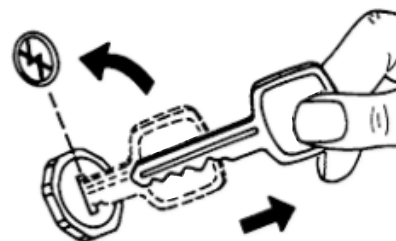


0.7 Remove Key from Ignition

0.7.1 ALWAYS shut off combine engine prior to working on it.

Apply park brake, remove key and lock operators cab.

If the combine is equipped with an additional safety master power switch, turn this to the Power OFF position.



0.8 Block Wheels

0.8.1 Park the combine on level ground.

Always engage the park brake and block the combine wheels prior to working to prevent the combine from moving.



0.9 Practice Safe Maintenance

0.9.1 Understand service procedure before doing work. Keep area clean and dry.

Never lubricate, service, or adjust Seed Control Unit while it is moving. Keep hands, feet and clothing away from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any Seed Control Unit elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems



0.10 Guards and Shields

0.10.1 Keep guards and shields in place at all times. Ensure that they are serviceable and maintained correctly.



0.10 Avoid Contact With Moving Parts

0.10.1 Keep hands, feet and clothing away from power driven parts. Never clean, lubricate or adjust Seed Control Unit when it is running.



0.11 Avoid High-Pressure Fluids

0.11.1 Inspect hydraulic hoses periodically - at least once per year - for leakage, kinking, cuts, cracks, abrasion, blisters, corrosion, exposed wire brand or any other signs of wear or damage.

Replace worn or damaged hose assemblies immediately.

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high-pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.



0.12 Dispose of Waste Properly

0.12.1 Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste includes such items as oil, fuel, coolant, brake fluid, filters and batteries.

Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

Do not pour waste onto the ground, down a drain, or into any water source.



0.13 Use Proper Lifting Equipment

0.13.1 Lifting heavy components incorrectly can cause severe injury or Seed Control Unit damage.

Follow recommended procedure for removal and installation of components in the manual.

Ensure lifting equipment is rated for the job

Ensure operator is appropriately licensed to operate lifting equipment

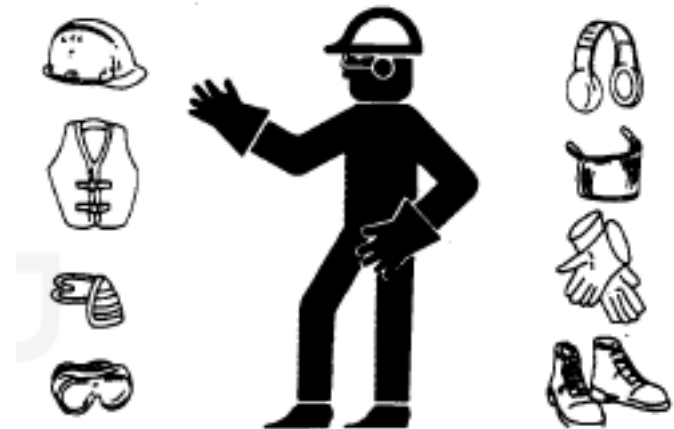


0.15 Personal Protective Equipment (PPE)

0.15.1 A Qualified Person designated by the employer, who is knowledgeable about and familiar with all relevant specifications and assembly instructions and is capable of identifying existing or potential hazards in surroundings or working conditions which may be hazardous or dangerous to employees shall determine appropriate Personal Protective Equipment required for this assembly.

Personal Protective Equipment (PPE) are devices worn by the employees to protect against hazards in the environment. Examples include safety glasses, face shields, respirators, gloves, hard hats, steel-toe shoes, and hearing protection. Wear close fitting clothing and safety equipment appropriate for the job.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



0.16 Sound Level

0.16.1 This product produces sound pressure levels in excess of 90 dB within 10m of discharge area.



Hearing protection is required!

Interference with speech communication, acoustic signals is possible.

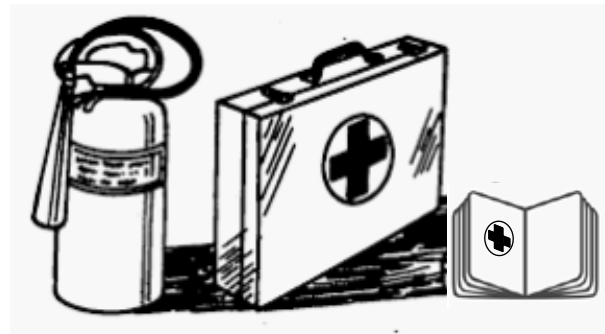


0.17 Prepare for Emergencies

0.17.1 Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital and fire department near your telephone.



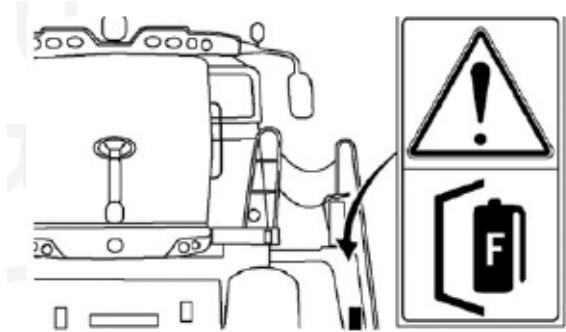
0.18 Fire Extinguisher

0.18.1 A 6 kg (15 lb) general-purpose fire extinguisher meeting national certification requirements must be installed on left side of operator's platform.

Maintain fire extinguisher to keep it in operating condition.

Make sure that the fire extinguisher is always ready for use. Refer to the fire extinguisher's manual for instructions on how to operate it. Once extinguisher is operated - no matter how long - it must be recharged.

Keep the engine clean and free of dust, chaff and straw to prevent the possibility of fire.



0.19 Remove Accumulated Crop Debris

0.19.1 The build up of chaff and crop debris in the engine compartment, on the engine, and near moving parts is a fire hazard. Check and clean these areas frequently.



0.20 In the Event of Fire

0.20.1 Stop work immediately at first sign of fire. This may be the smell of smoke or the sight of smoke or flames.



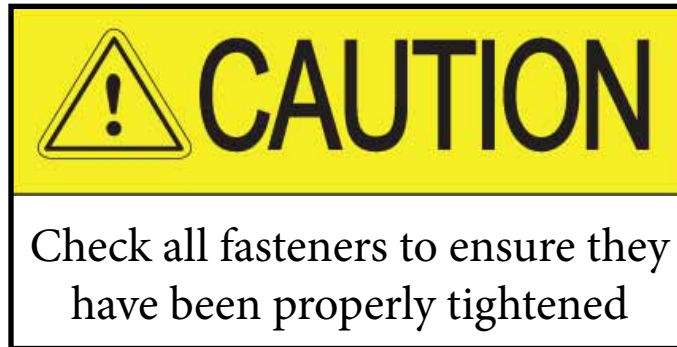
CAUTION: Do not risk personal injury. If a fire is too far advanced, do not try to extinguish it.

If a fire can be safely extinguished, proceed carefully and follow these guidelines:

1. Remove fire extinguisher from bracket and carry it to the area of fire.
2. Approach area of fire wind to your back.
3. Pull the safety pin out of actuating lever.
4. Hold extinguisher upright and aim hose at base of flames.
5. Squeeze lever to discharge fire extinguisher.
6. Move hose to cover the source of the fire evenly with extinguishing agent.



Torque Table		
Nominal Size	Class 8.8	Class 10.9
	Nm / (ft-lbs)	Nm / (ft-lbs)
M8 - flanged	27 / (20)	39 / (29)
- non flanged	25 / (18)	35 / (26)
M10 - flanged	54 / (40)	57 / (42)
- non flanged	49 / (36)	70 / (51)
M12 - flanged	93 / (69)	134 / (98)
- non flanged	85 / (63)	121 / (90)
M16 - flanged	231 / (171)	331 / (244)
- non flanged	210 / (155)	301 / (222)



0.21 Safety Decals

Pictorial Safety Signs

At several important places on this machine, safety signs are affixed intending to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information on how to avoid personal injury. These safety signs and a brief explanatory text follow.

Hand Injury / Rotate Danger RP1089

Risk of injury caused by rotating parts.



Projectile Hazard / Stand Clear RP872

Stay clear of these components when the engine is running.



Caution / Check Service Manual RP873

This operator's manual contains all important information necessary for safe machine operation. Carefully observe all safety rules to avoid accidents.



**Keep Hands out of Belt Area / Rotate Danger
RP874**

Do not touch any moving parts. Wait until all moving parts have stopped.



**Kickback Hazard / Stand Clear
RP1086**

Avoid personal injury. Kickback hazard when removing access panel.



**Caution / Hearing Protection Required
RP1090**

Use hearing protection whenever operating the machine.

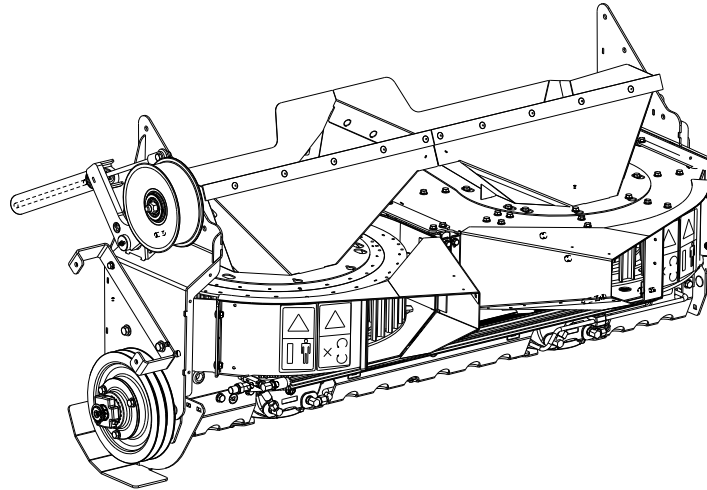


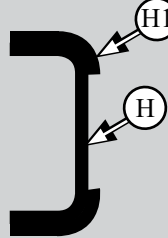
SCOPE

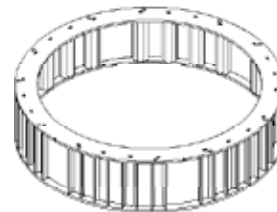
Rotors and stators will wear on one side of bars during use. Eventually these will wear past their coating and will not be effective any longer or wear completely through and the structural integrity will be damaged and cannot be reused.

Once the coating has worn through on the one side, these rotors and stators can be used on the opposite side of the SCU to wear on the other side of the bars. The old left rotor and stator assembly will become the new right rotor and stator assembly. The old right rotor and stator assembly will become the new left rotor and stator assembly.

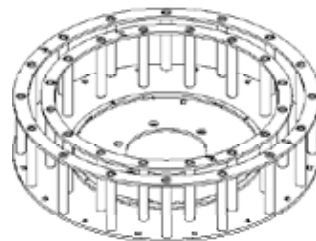
The following instructions detail out how to change the rotor and stators to the opposite side. Please read carefully and follow the instructions accordingly.




 Once coating (**H1**) on stator bars (**H**) has worn through one side, move the stator ring to the opposite side.
 If allowed to continue wearing beyond the coating into the material of the bar, the structural integrity will be damaged and cannot be reused.



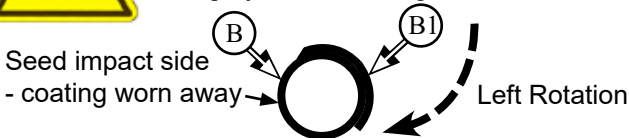
Stator Ring with U Bars



Rotor



Once coating (**B1**) on rotor bars (**B**) has worn through one side, move the rotor to the opposite side. If allowed to continue wearing beyond the coating (**B1**) into the material of the bar (**B**), the structural integrity will be damaged.



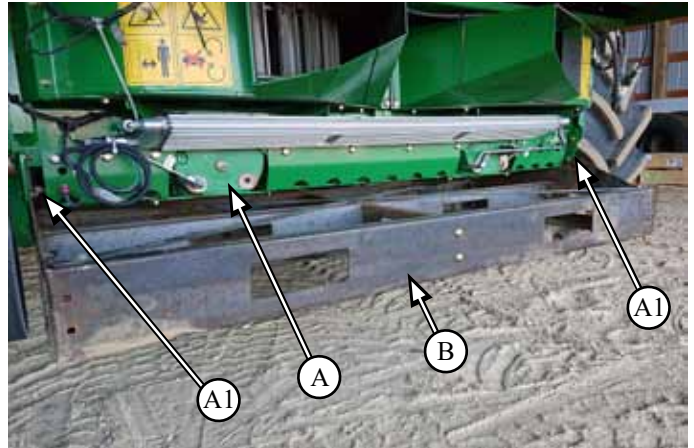
Worn out rotor bar on left rotor



Worn out rotor from left side moved to be used as the right rotor

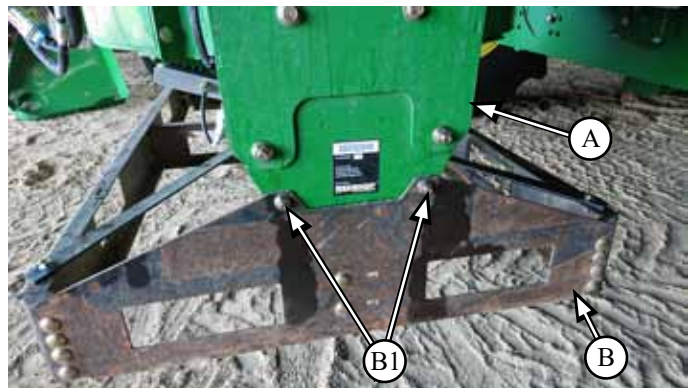
1 Attach Service Frame to SCU on Combine

1.1 Position service frame (B) underneath the SCU (A) mounted on the combine

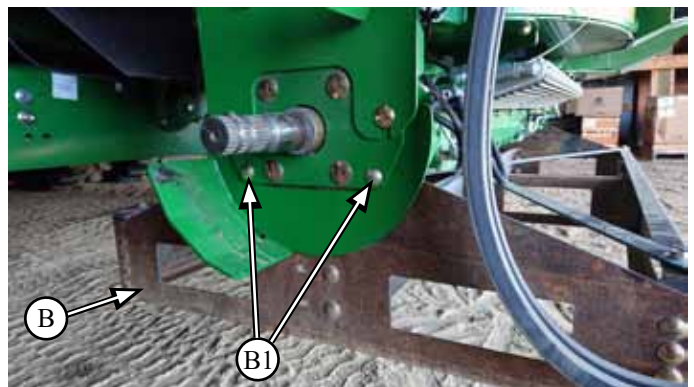


1.2 Raise service frame (B) up to align with mounting holes (A1) on frame

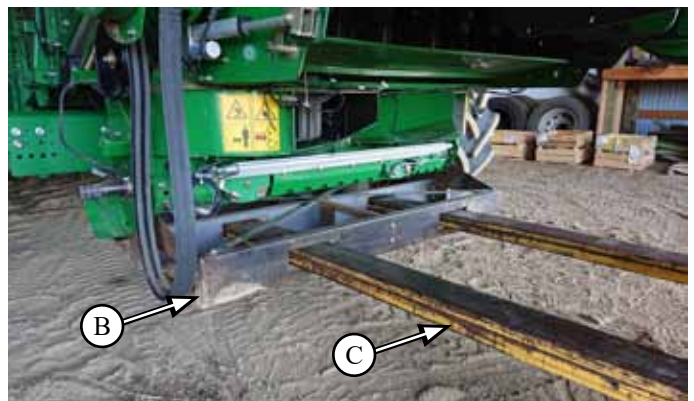
1.2.1 Assemble service frame to SCU with:
- M10x20 round head bolts and hex nuts (B1) x4



Note: Removal of sheave is not required



1.3 Support the SCU with a forklift with extended forks (C) into the service frame (B)



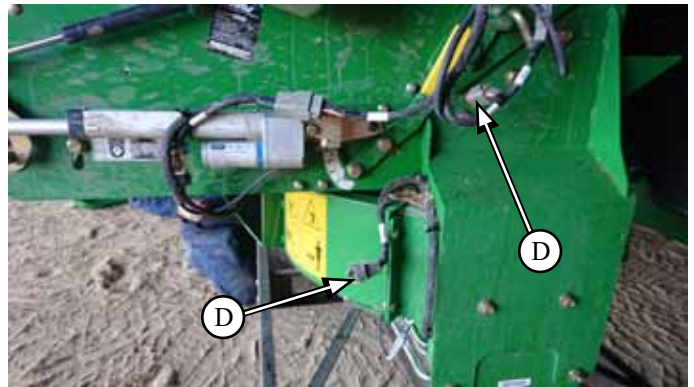
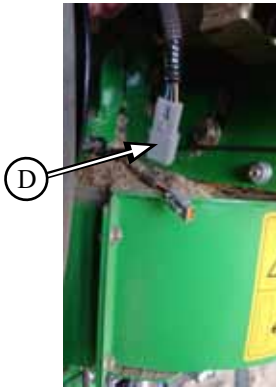
2 Preparation for SCU Removal from John Deere Combine

On the John Deere Combine with OEM chopper, it is easiest to remove the SCU from the side mounting plates attached to the chopper as per section 2. Skip section 3 and 4

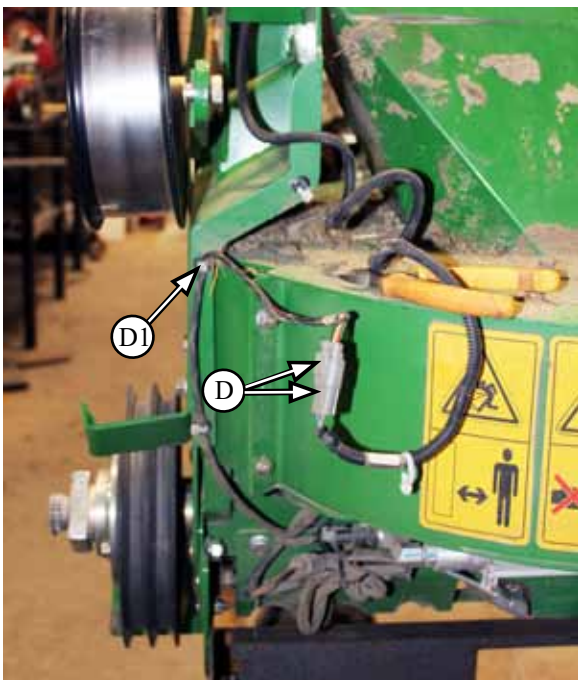
On other combines it will be as simple to leave the SCU attached to the side plates and then remove the SCU side plates from the chopper as per section 3



2.1.1 Disconnect wire harness connectors (D) at left and right end plates



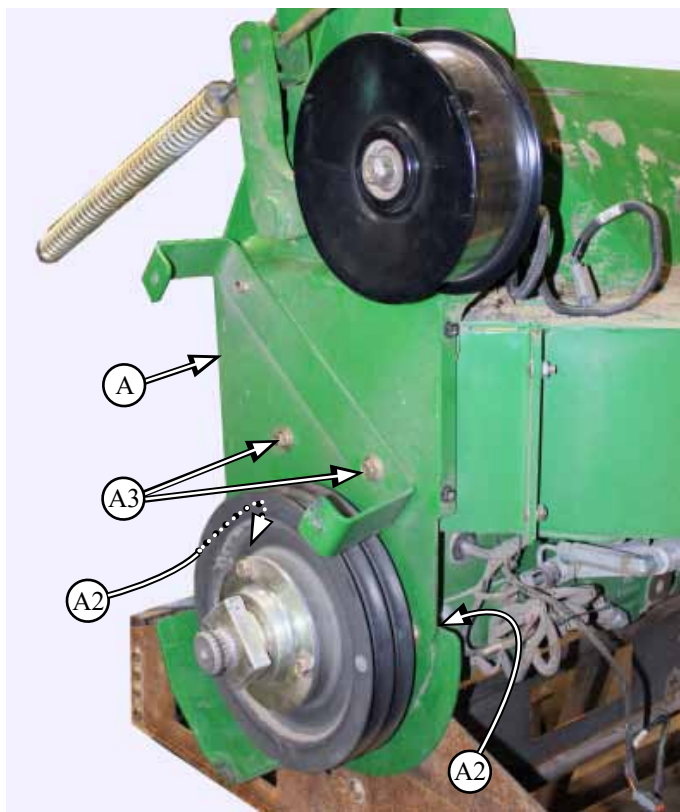
2.1.2 Cut off all wire ties (D1) fastening harness (D) to left and right end plates



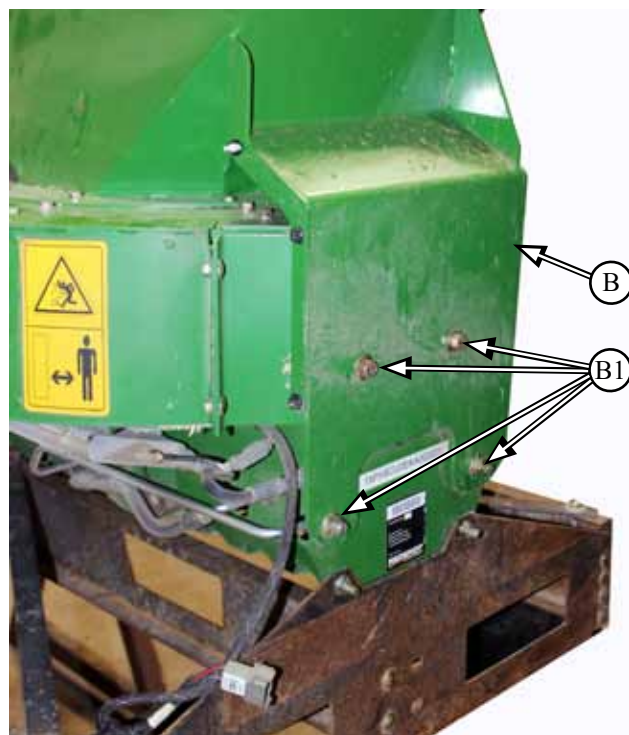
2.1.3 Disconnect end plates from SCU

2.1.3.1 At left end plate (A) loosen lower mounting bolts (A2) x2 on backside - Do Not Remove

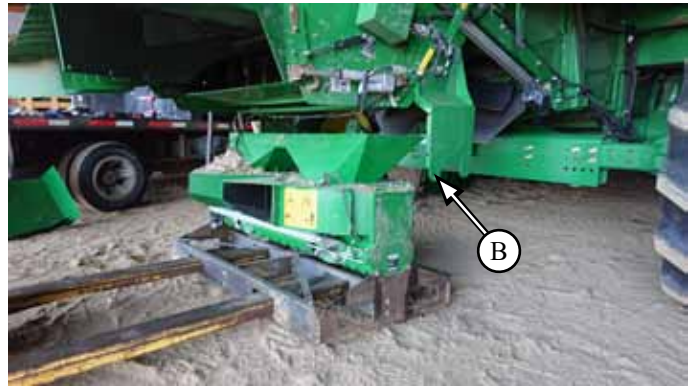
2.1.3.2 Remove mounting bolts (A3) x2



2.1.3.3 At right end plate (B) remove mounting bolts (B1) x4



2.1.4 Lower SCU down from combine



View of combine with SCU removed and side plates mounted



View of removed SCU without side plates

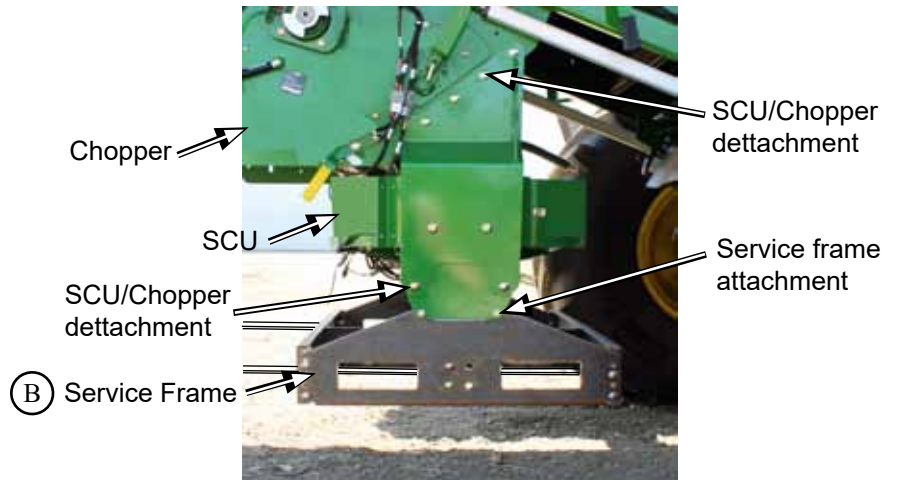


For continuation of the dismantling of the SCU, see section 5

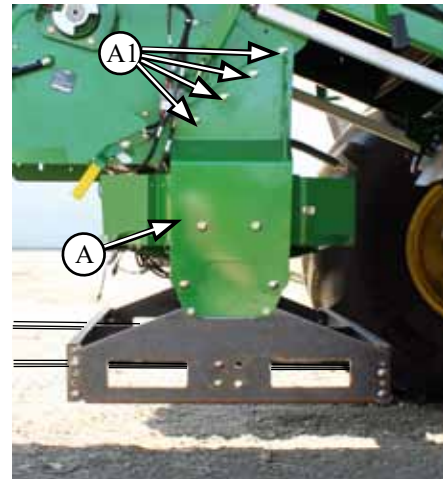
3 SCU Removal from Combine

3.1 Ensure the service frame (**B**) is attached to the SCU and supported with a forklift or similar lifting device

3.2 Slide chopper and SCU all the way up (transport position)



3.3 Dettach SCU upper end plate (**A**) mounting bolts (**A1**) x4 from chopper - both sides

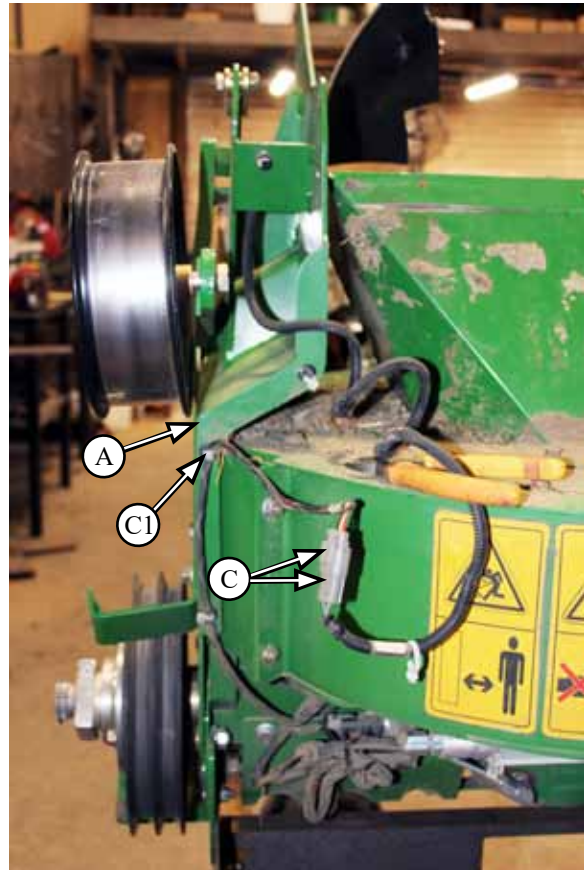


3.4 Lower SCU to level ground for servicing
- forklift can be removed from service frame for full access to SCU

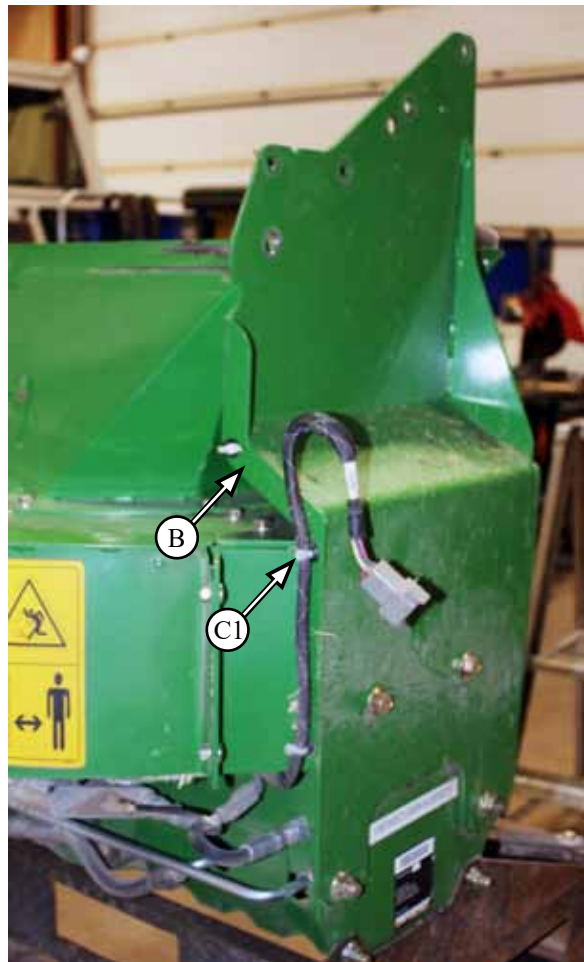
4 Side Plate Removal

4.1 At left end plate (A) disconnect wire harness connectors (C)

4.2 Cut off all wire ties (C1) fastening harness to left mount plate



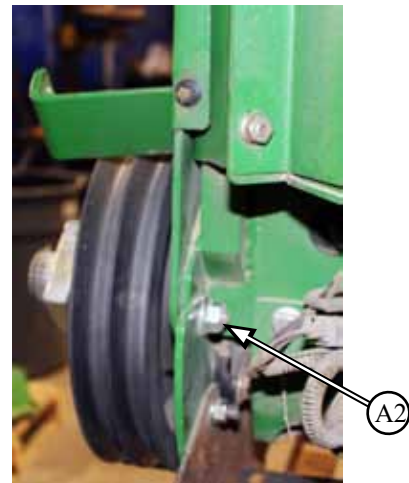
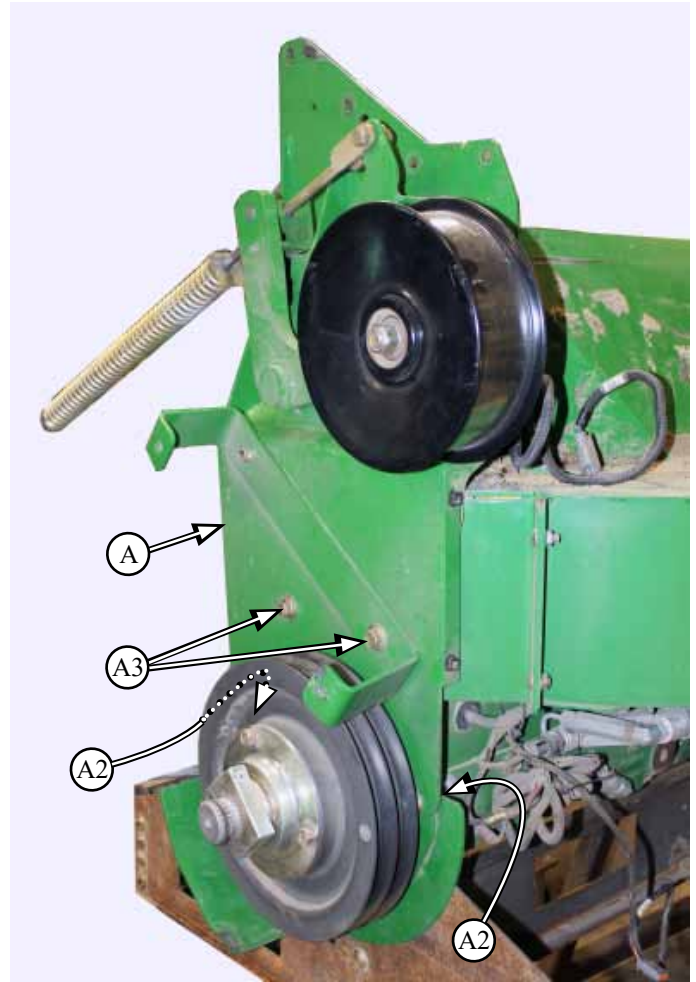
4.3 At right end plate (B) cut off all wire ties (C1) fastening harness to plate



4.4 At left end plate (**A**) loosen lower mounting bolts (**A2**) x2 on backside
- Do Not Remove

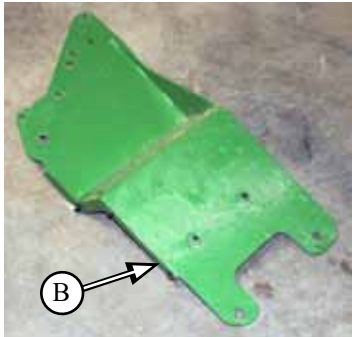
4.5 Remove mounting bolts (**A3**) x2

4.6 Slide left end plate assembly (**A**) up and remove



4.7 At right end plate (B) remove mounting bolts (B1) x4

4.8 Remove end plate (B)



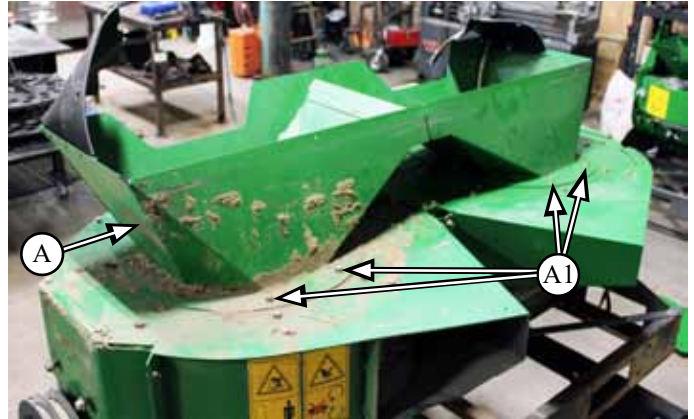
View with side plates removed



5 Hopper Removal

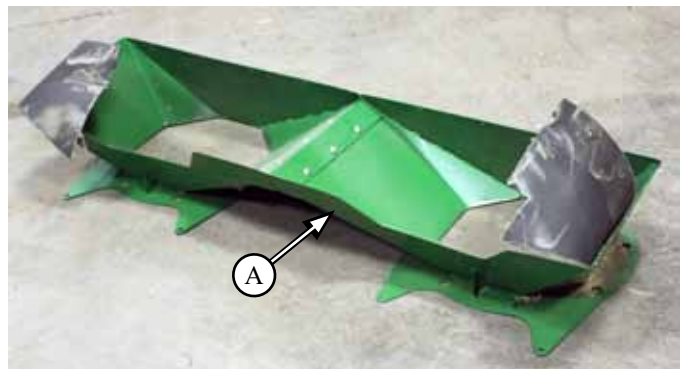
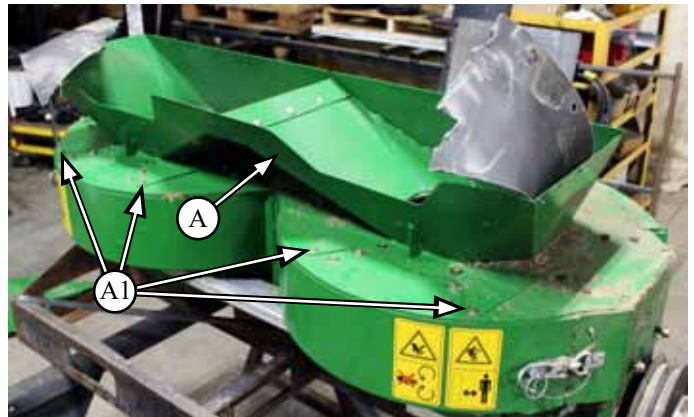
5.1 Remove hopper (A) from top of SCU

5.2 Remove rear bolts (A1) x4 connecting hopper plate to SCU

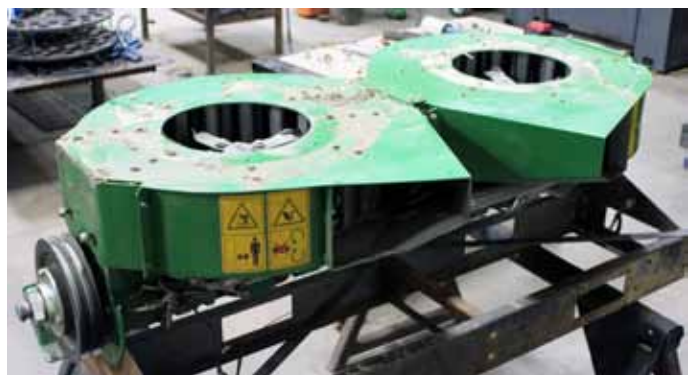


5.3 Remove front bolts (A1) x4 connecting hopper plate to SCU

5.4 Remove hopper (A)



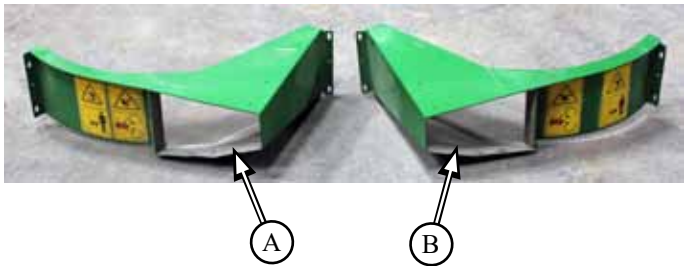
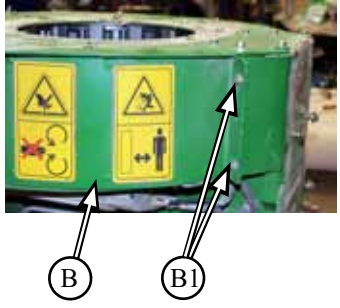
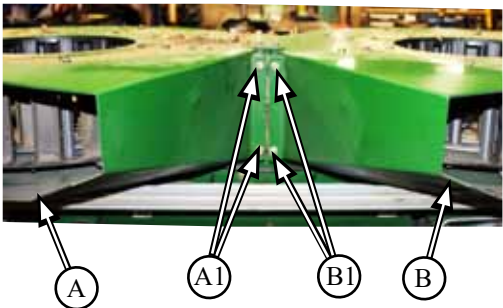
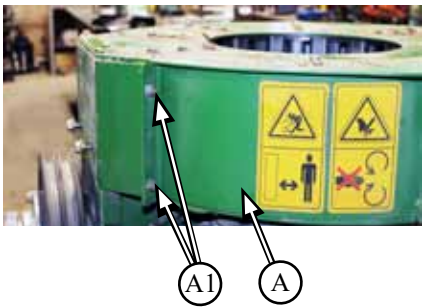
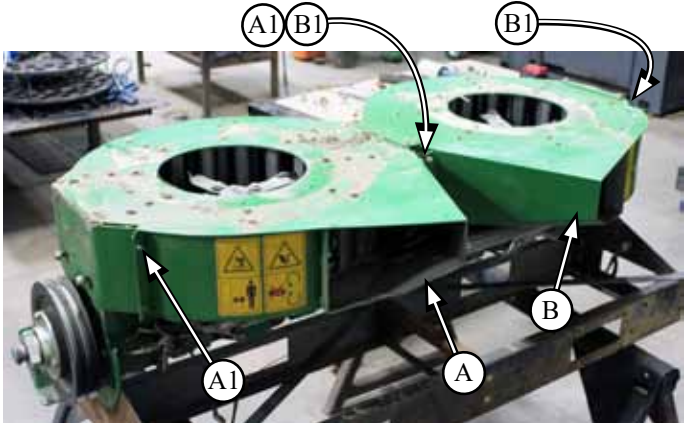
View with hopper removed



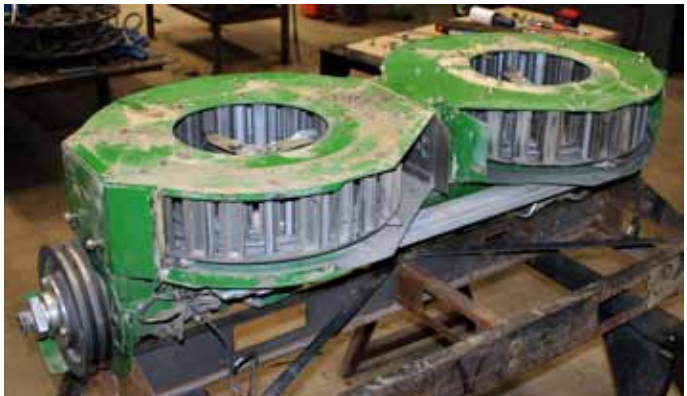
6 Discharge Chutes Removal

6.1 Remove left discharge chute (A) mounting hardware (A1) x4 from rear of SCU

6.2 Remove right discharge chute (B) mounting hardware (B1) x4 from rear of SCU



View with discharge chutes removed



7 Open Front Access Panels

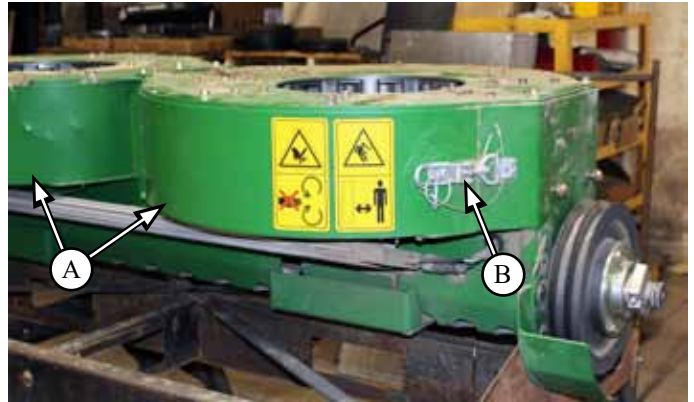
7.1 From latch (B) remove nut (C1) securing pin (C) in place

7.2 Remove pin (C) from latch (B)

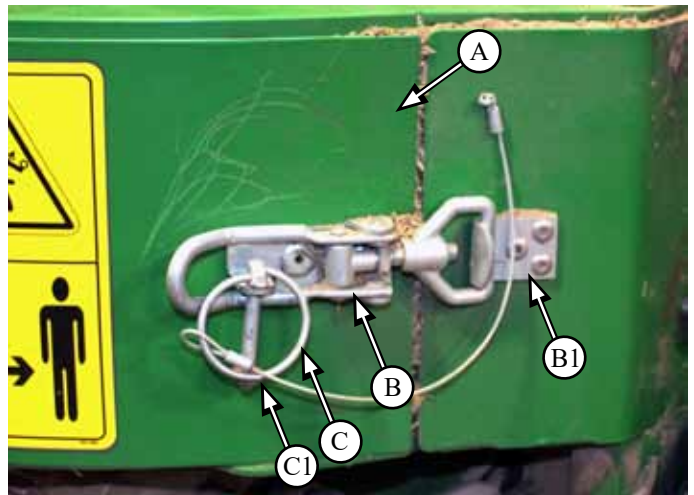
7.3 Disconnect latch (B) from hook (B1) to open access panel (A)



Kickback Hazard when opening access panels



7.4 Repeat for other access panel



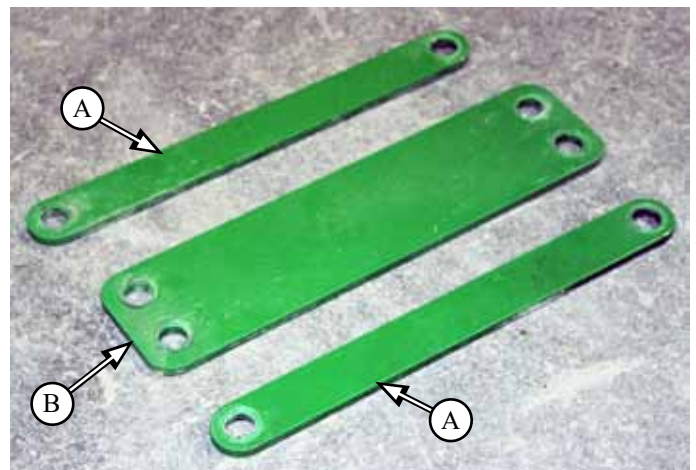
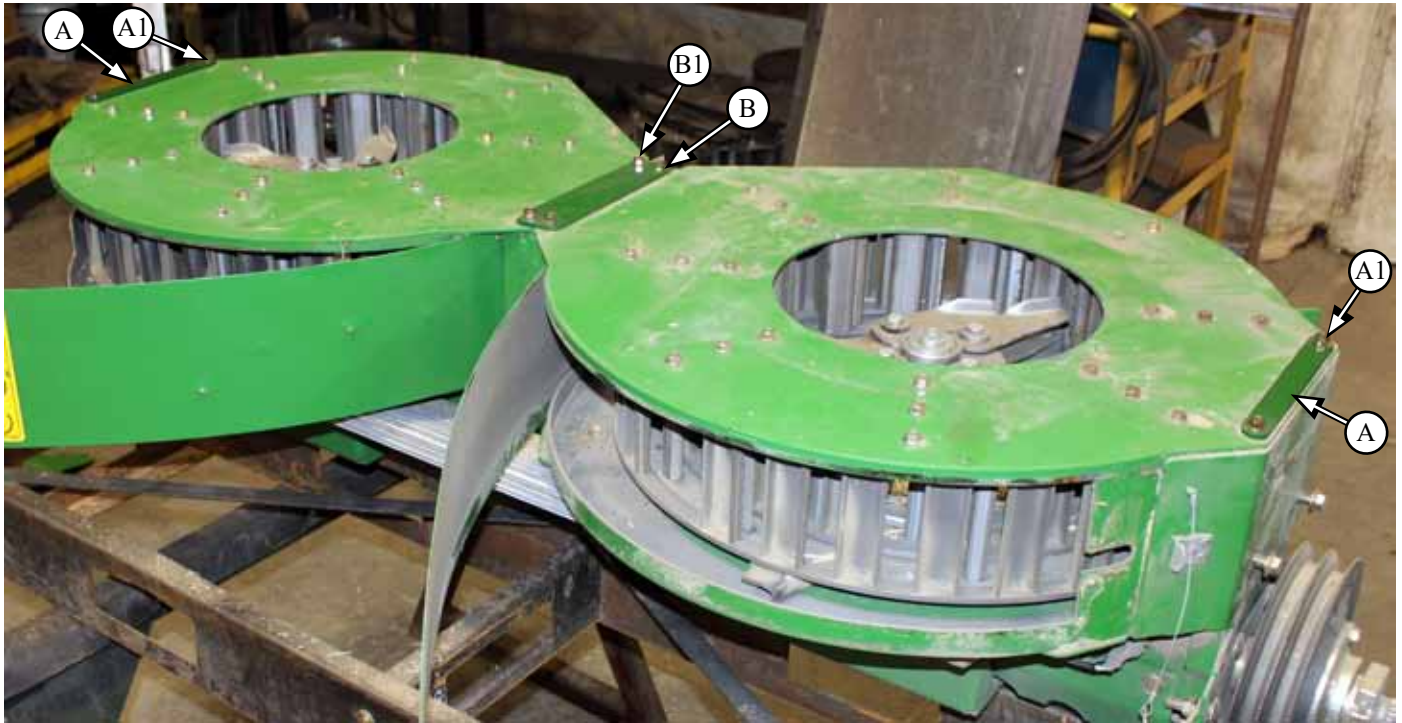
View with access panels opened



8 Top Plate Removal

8.1 Remove nuts (**A1** & **B1**) securing plates in (**A** x2 & **B**) in place

8.2 Remove plates (**A** x2 & **B**) from SCU top plate



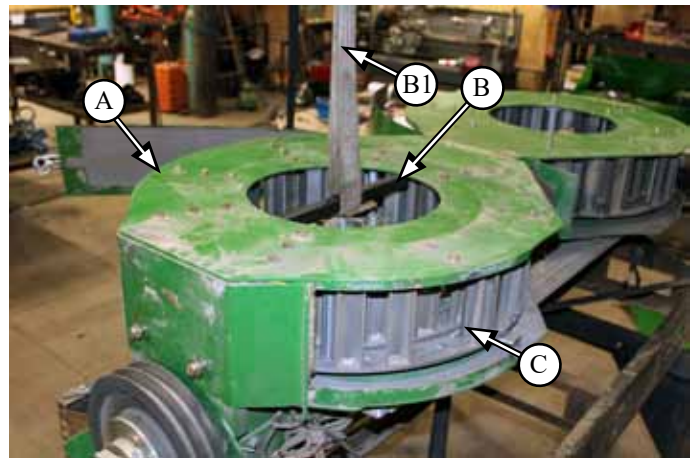
9 Stator Removal



Use a crane or similar lifting device

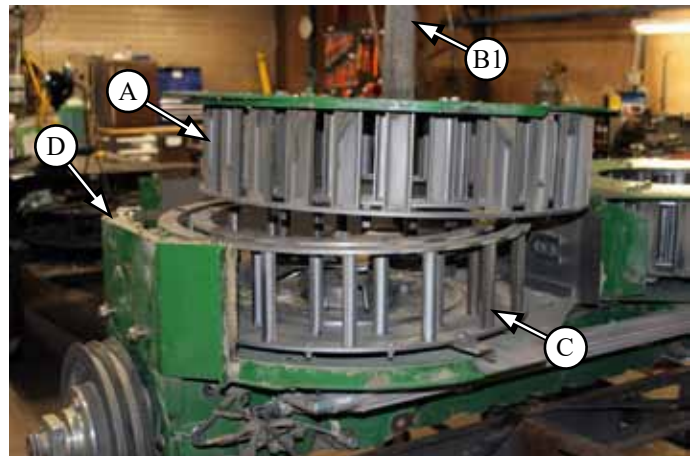
9.1 Place a bar (**B**) with attached strap (**B1**) into opening of stator lid assembly (**A**)

9.2 Lift stator assembly (**A**) up until it clears the rotor assembly (**C**)

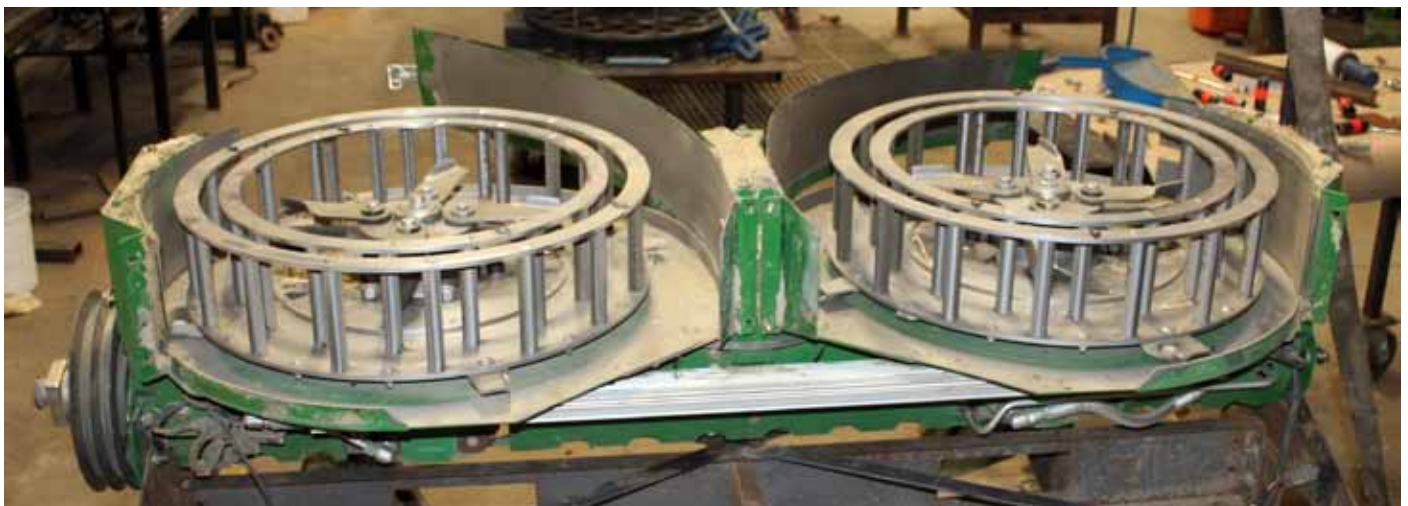


Do not remove the shim washers (D) from top of posts - these serve to adjust the assembly for proper clearance

9.3 Repeat for other side



View with stator assemblies removed



10 Stator Assembly Exchange

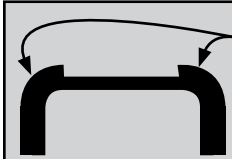
10.1 Place the stator assemblies (A & B) on the floor as removed from the SCU as shown below



Left Stator Assembly

Right Stator Assembly

10.2 Check for wear and breakage on individual stator bars
- Replace worn out or broken stator sections

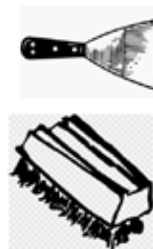


Once coating on stator bars has worn through one side, move the stator ring to the opposite side as per these instructions.

If allowed to continue wearing beyond the coating into the material of the bar, the structural integrity will be damaged and the ring cannot be reused and will need to be replaced.

10.3 Remove all bolts (A1 & B1) from top plate

10.4 Clean debris from bottom of lid and top of stator rings

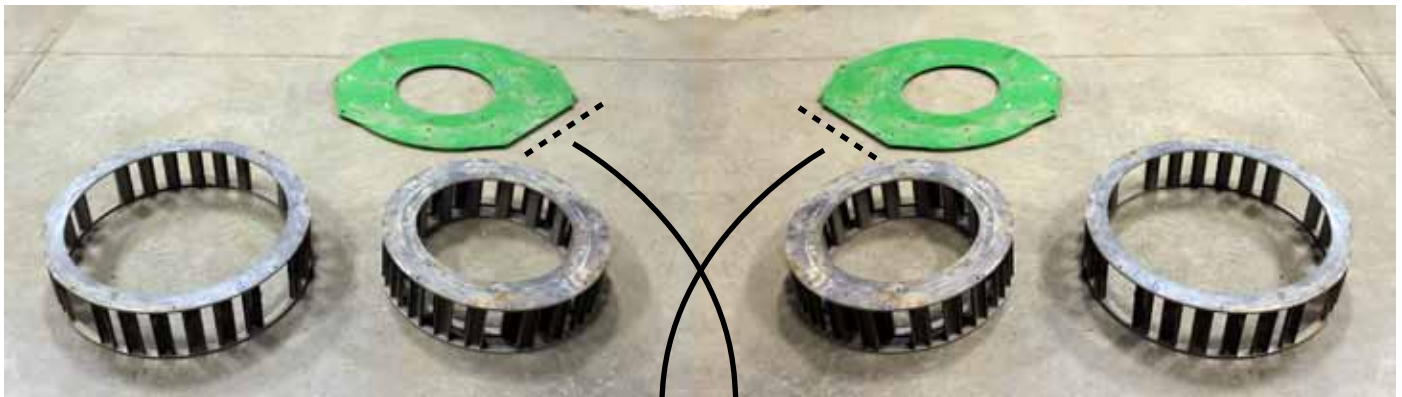


10.5 Move outer stator ring beside the 2 inner stator rings (for ease of assembling to the top plate)



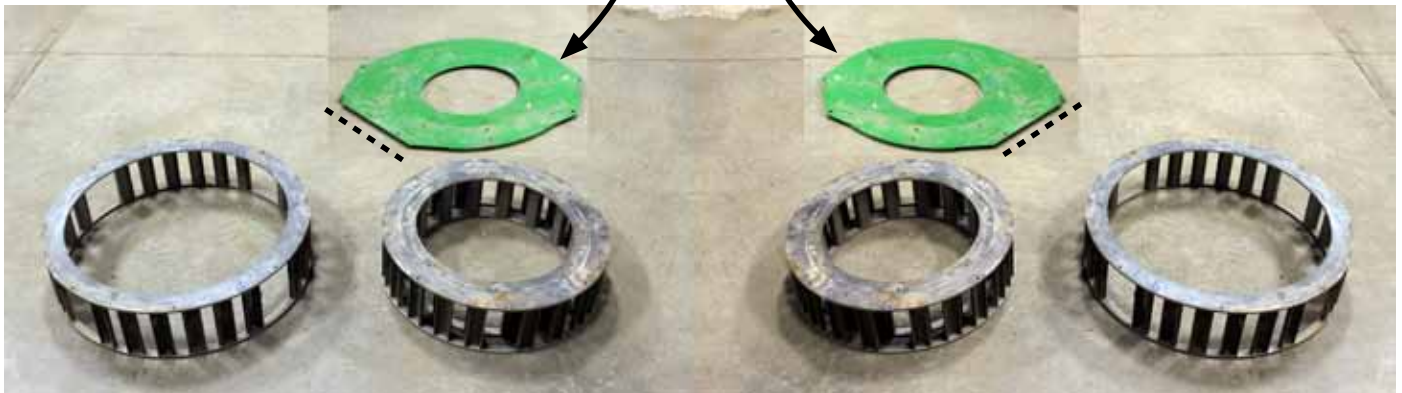
10.6.1 Move left top plate to right stator assembly

10.6.2 Move right top plate to left stator assembly



Left Stator Assembly

Right Stator Assembly



**Left Stator Assembly
now will become
Right Stator Assembly**

**Right Stator Assembly
now will become
Left Stator Assembly**

10.7 Assemble left top plate to right inner stator rings as follows:

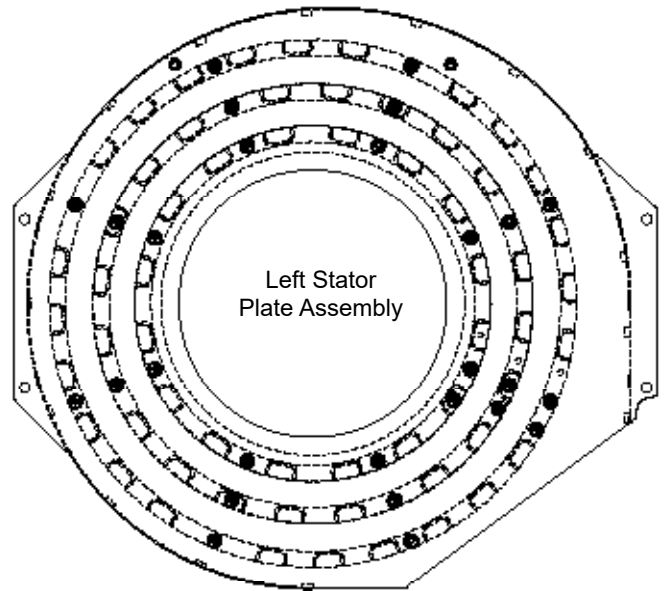
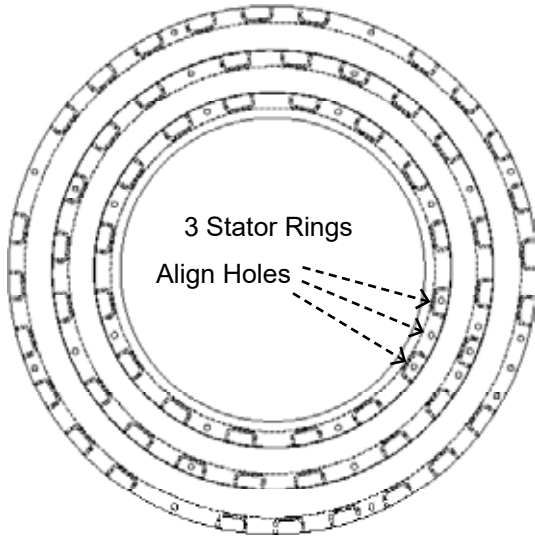
10.7.1 Place stator rings inside of each other
- inner, middle and outer

Stators without the 3 bolt holes on top of each of the stator rings - align holes to each other

Stators with the 3 bolt holes on top of each of the stator rings - align with the following procedure:



Align the 3 bolt holes on top of each of the stator rings together, middle holes will line up



10.7.2 Place left top plate onto right-hand stators

10.7.3 Install bolts into top plates and stators
by hand



- start tightening bolts with a hand wrench/spanner to ensure that the holes do not strip/jam
- finish tightening bolts in a criss cross pattern
- Torque to 27N•m (20 ft-lbs)



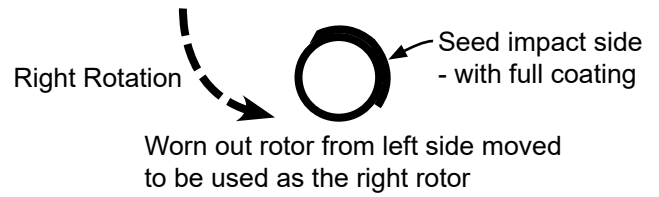
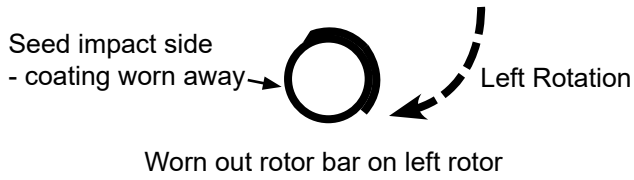
Torque to 27N•m
(20ft•lbs)

10.8 Repeat for other side

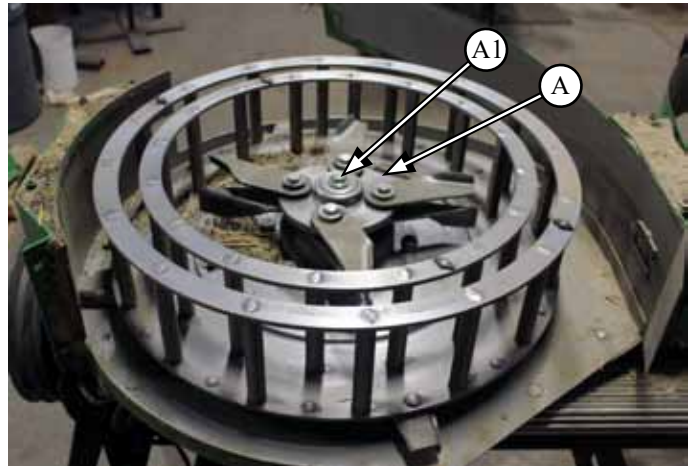
11 Rotor Assembly Removal



Once coating on rotor bars has worn through one side, move the rotor to the opposite side with all fan blades reassembled for that rotation. If allowed to continue wearing beyond the coating into the material of the bar, the structural integrity will be damaged and the rotor cannot be reused and will need to be replaced



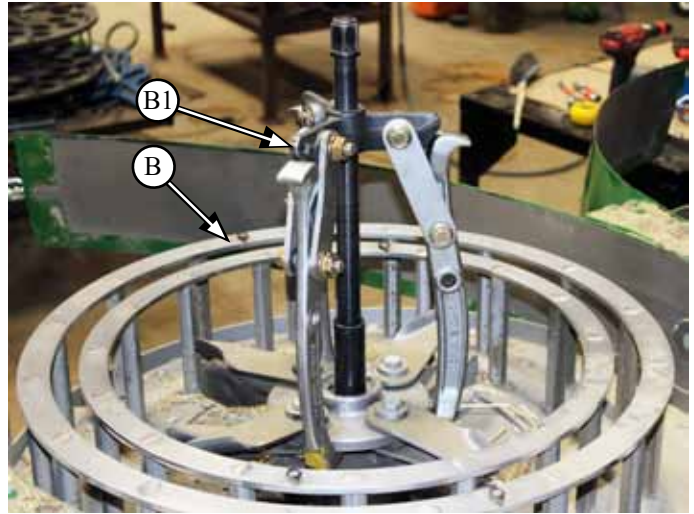
11.1 Remove rotor hub (A) mounting bolt and washer (A1)



View with rotor mounting hardware removed



11.2 Remove rotor assembly (**B**) from gearbox shaft with a gear puller (**B1**)



View with rotor assembly removed



11.3 Repeat for other side

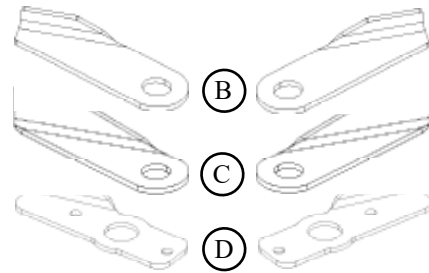
12 Rotor Assembly Blade Exchange

Parts Required:

SC253CK Kit Blade Fan SCU (12L/12R)

- includes:

- SC252LC & SC252RC (x4) (B)
- SC253LC & SC253RC (x4) (C)
- SC204LC & SC204RC (x4) (D)

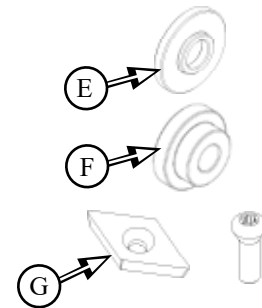


Parts that may be required:

SC174K Kit Bushing Blade SCU (32)

- includes:

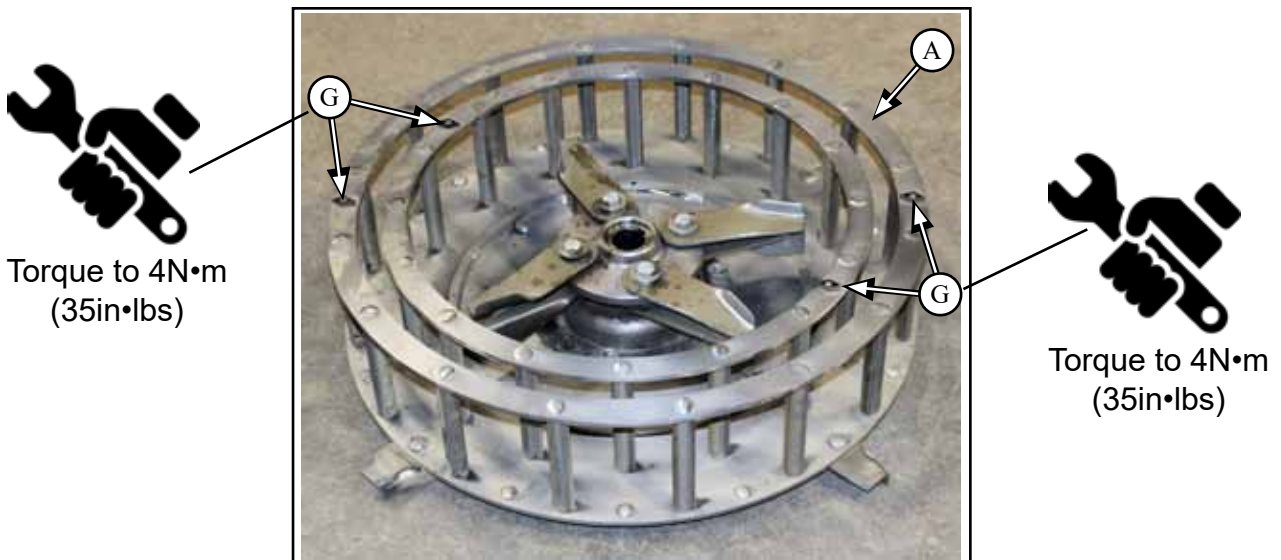
- SC163-01 (x16) (E)
- SC165H (x16) (F)



RP1017K Kit Scraper SCU Rotor Top (8) (G)

12.1 Replace scrapers (G) on top of rotor assembly (A)

- inspect scrapers (G) x4, replace if broken
- Torque to 4 N*m (35 in-lbs)



12.2 Replace left fan blades (**B & C**) with right fan blades (1 set at a time)



Check all bushings (**E & F**) and hardware for cracks, breaks and wear. Replace with new if broken.



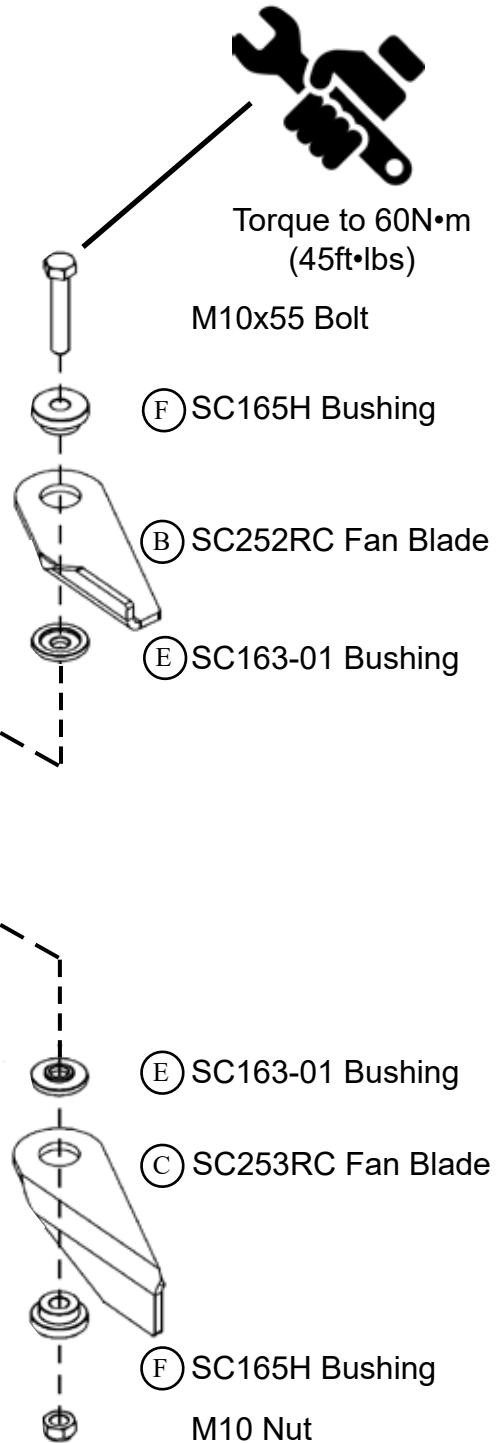
**Left Rotor Assembly
now will become
Right Rotor Assembly**

12.2.1 Torque bolts to 60 N*m (45 ft-lbs)

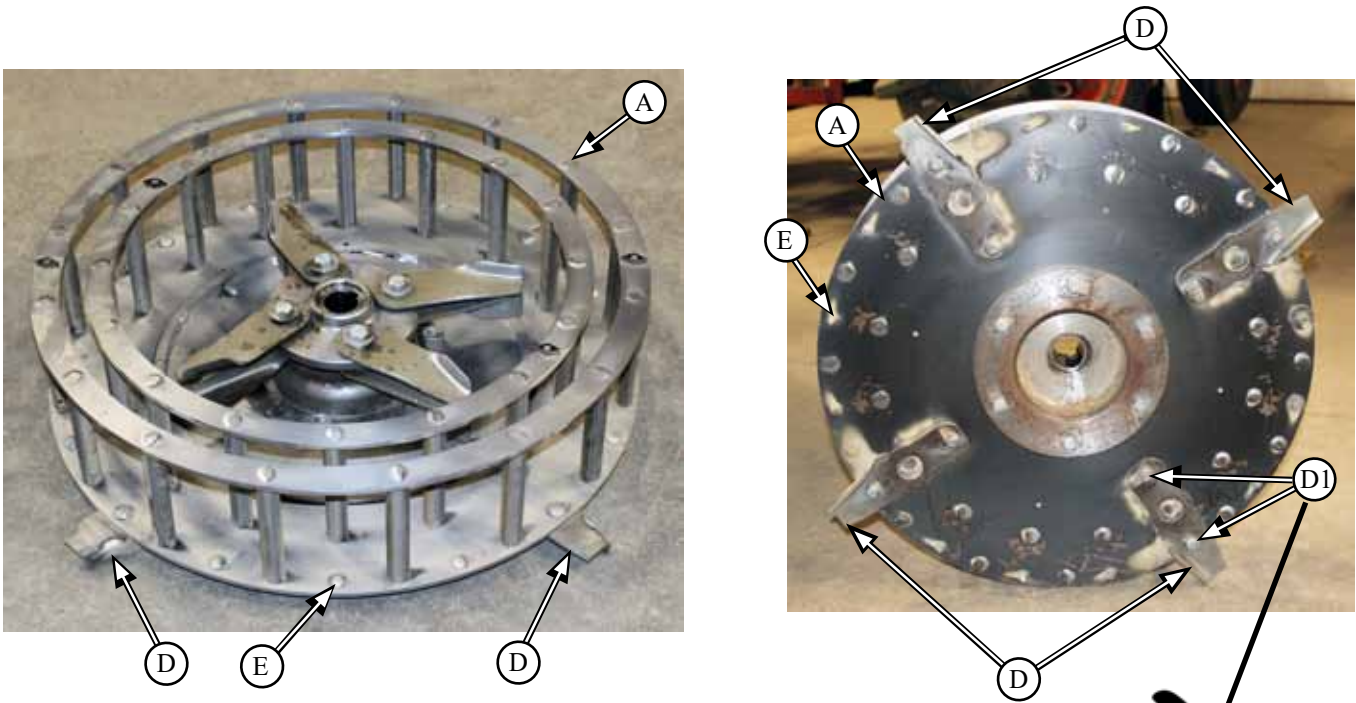
12.2.2 Ensure blades rotate freely

**** ENSURE BLADE ORIENTATION
MATCHES ALL BLADES IN ASSEMBLY
WHEN COMPLETE ****

12.3 Repeat for right rotor assembly



12.4 Replace left scraper blades (**D**) with right scraper blades on bottom of rotor assembly



**** ENSURE BLADE ORIENTATION MATCHES ALL BLADES IN HUB ASSEMBLY WHEN COMPLETE ****



**Torque to 60N•m
(45ft•lbs)**

12.4.1 Torque bolts (**D1**) to 60 N•m (45 ft-lbs)

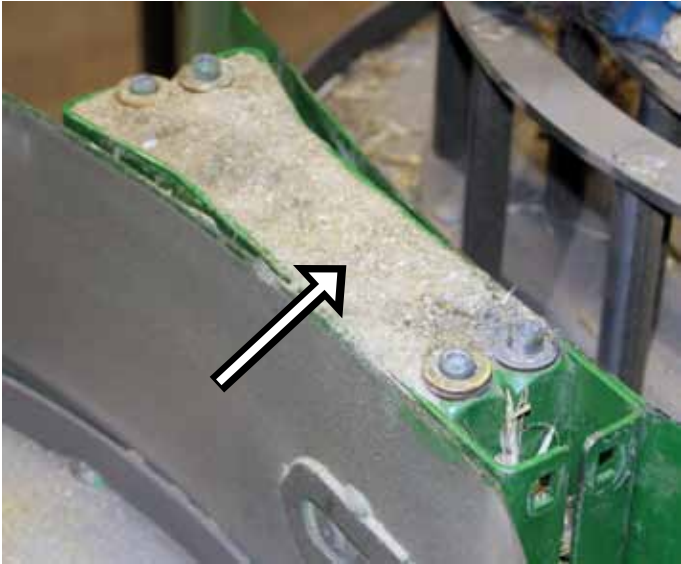
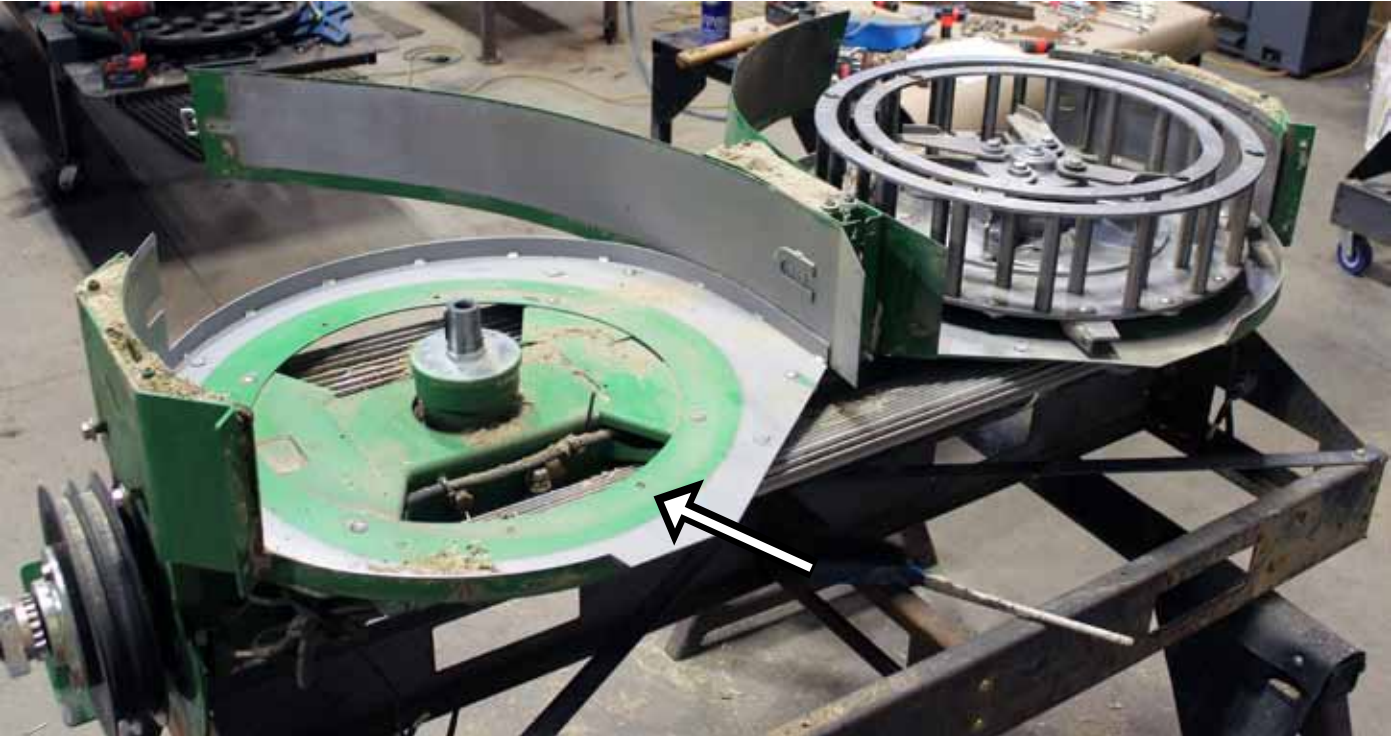
12.5 Repeat for right rotor assembly



**** DO NOT REMOVE BALANCE WEIGHTS / BOLTS (E) ONLY REPLACE HARDWARE (D1) FOR SCRAPER BLADES (D) ****

13 Inspection

13.1 Clean debris out of SCU



13.2 Visually inspection

- look for holes, worn spots

13.2.1 Replace housing bottom and inspection panel if necessary

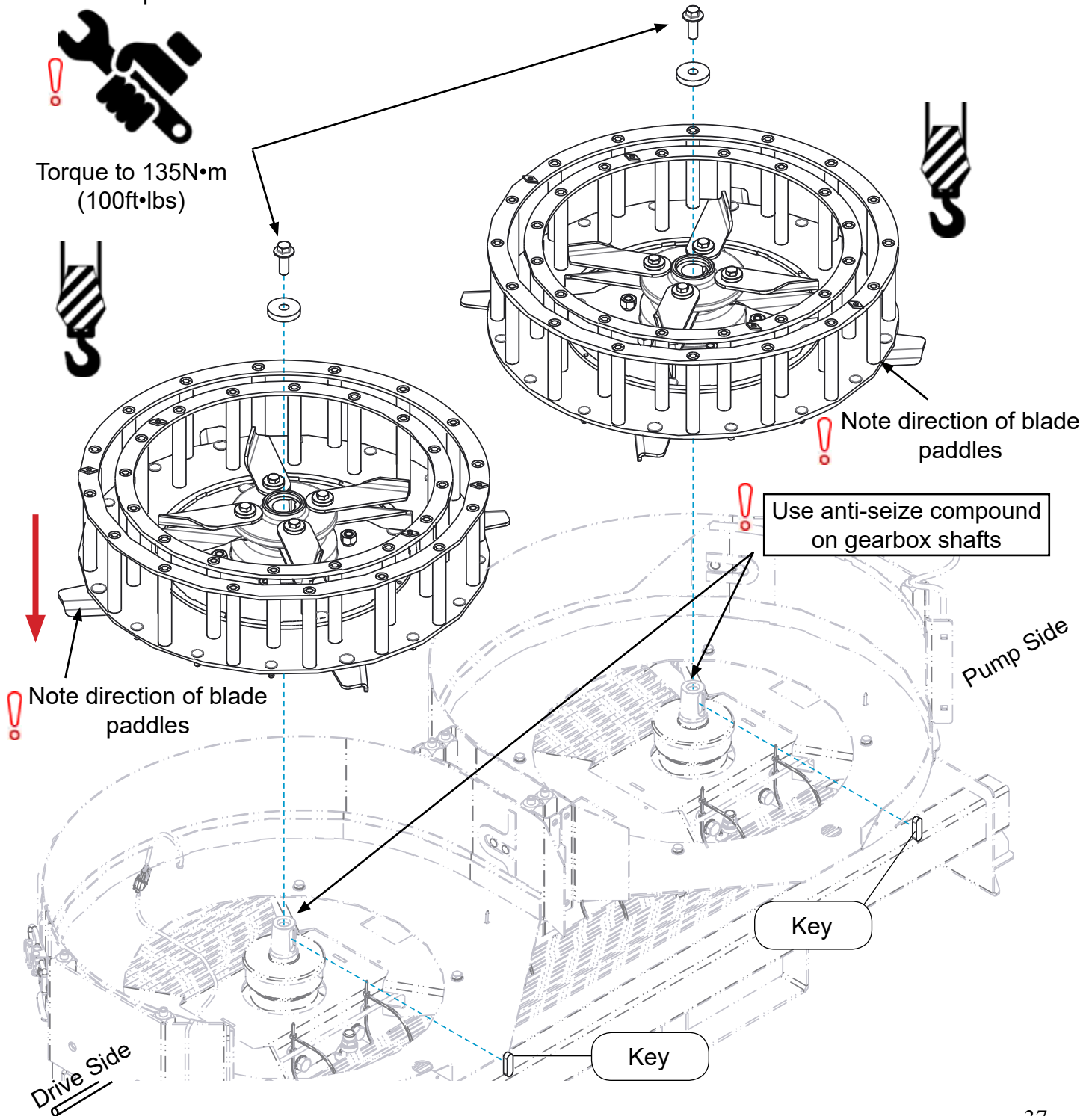


14 Reassemble

14.1 Reassemble in reverse order as taken apart

14.2 Reassemble rotor assemblies onto gearbox shaft

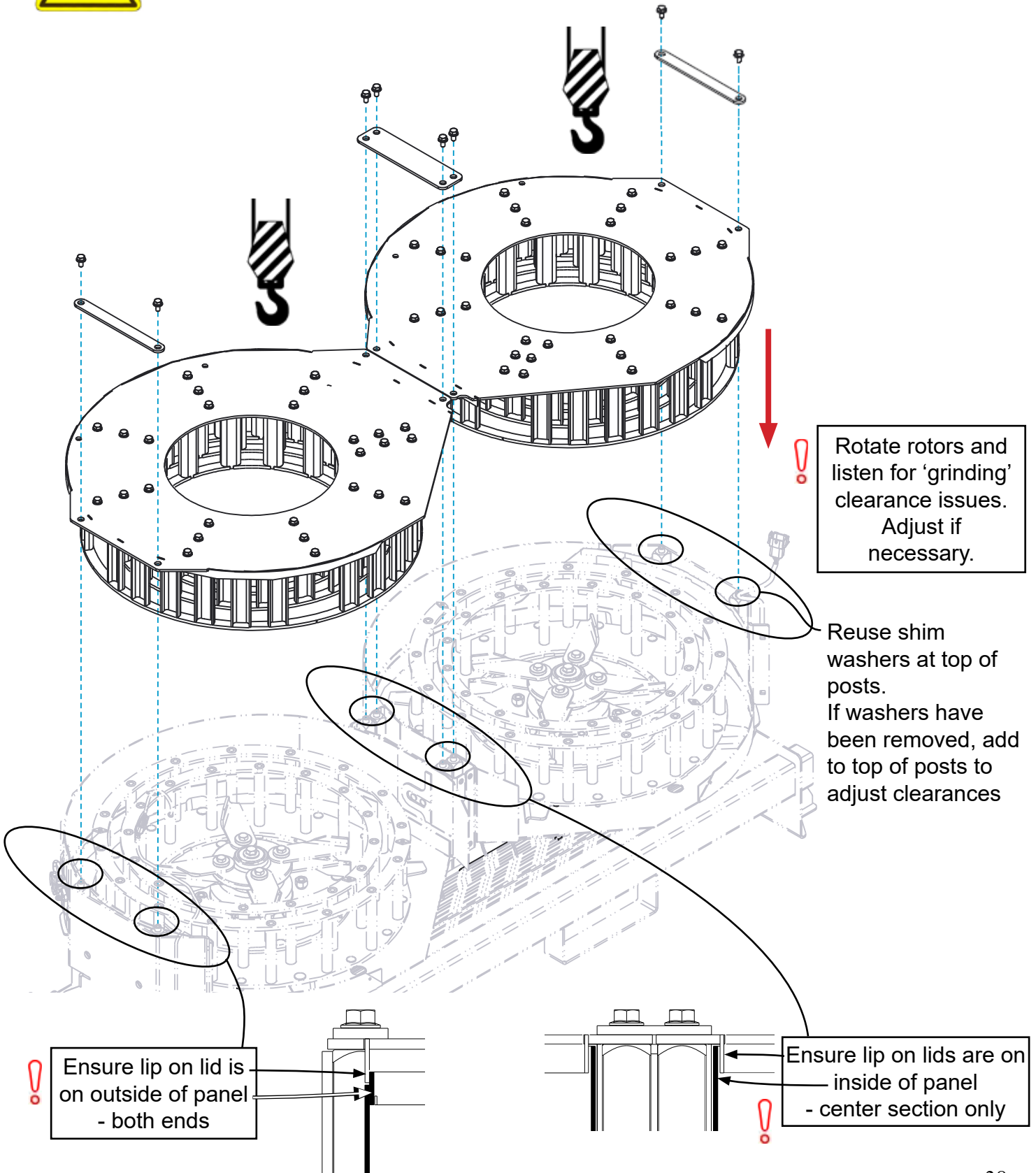
- **CAUTION - HEAVY - Use a lifting device**
- ensure direction of blade paddles is correct - as shown
- ensure key is in place on gearbox shaft
- apply anti-seize compound to gearbox shafts
- Torque as shown



14.3 Reassemble stator assemblies onto SCU/rotor assemblies



- **CAUTION - HEAVY - Use a lifting device**
- ensure discharge (flat portion of lid) is pointing to center



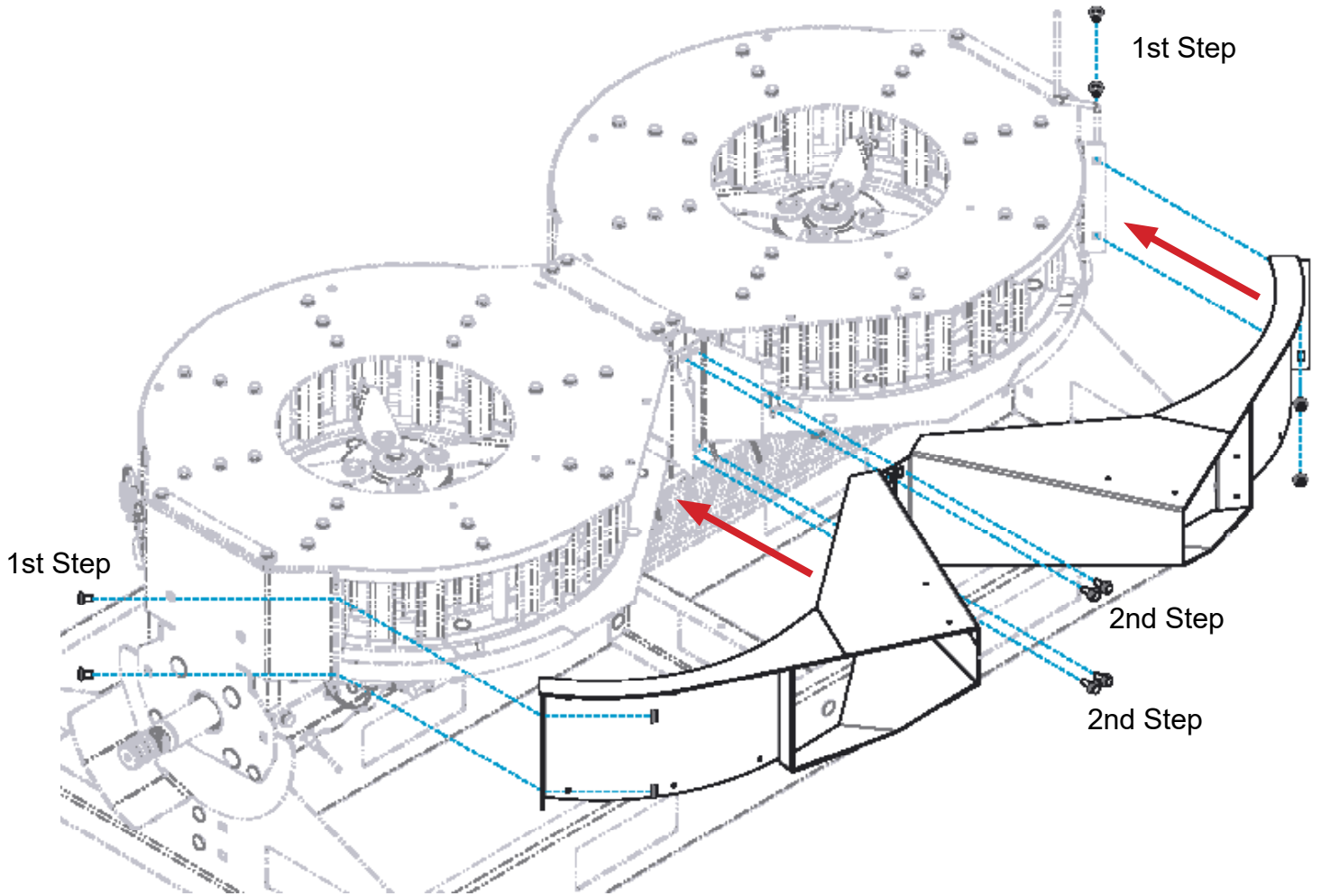
Rotate rotors and listen for 'grinding' clearance issues. Adjust if necessary.

Reuse shim washers at top of posts. If washers have been removed, add to top of posts to adjust clearances

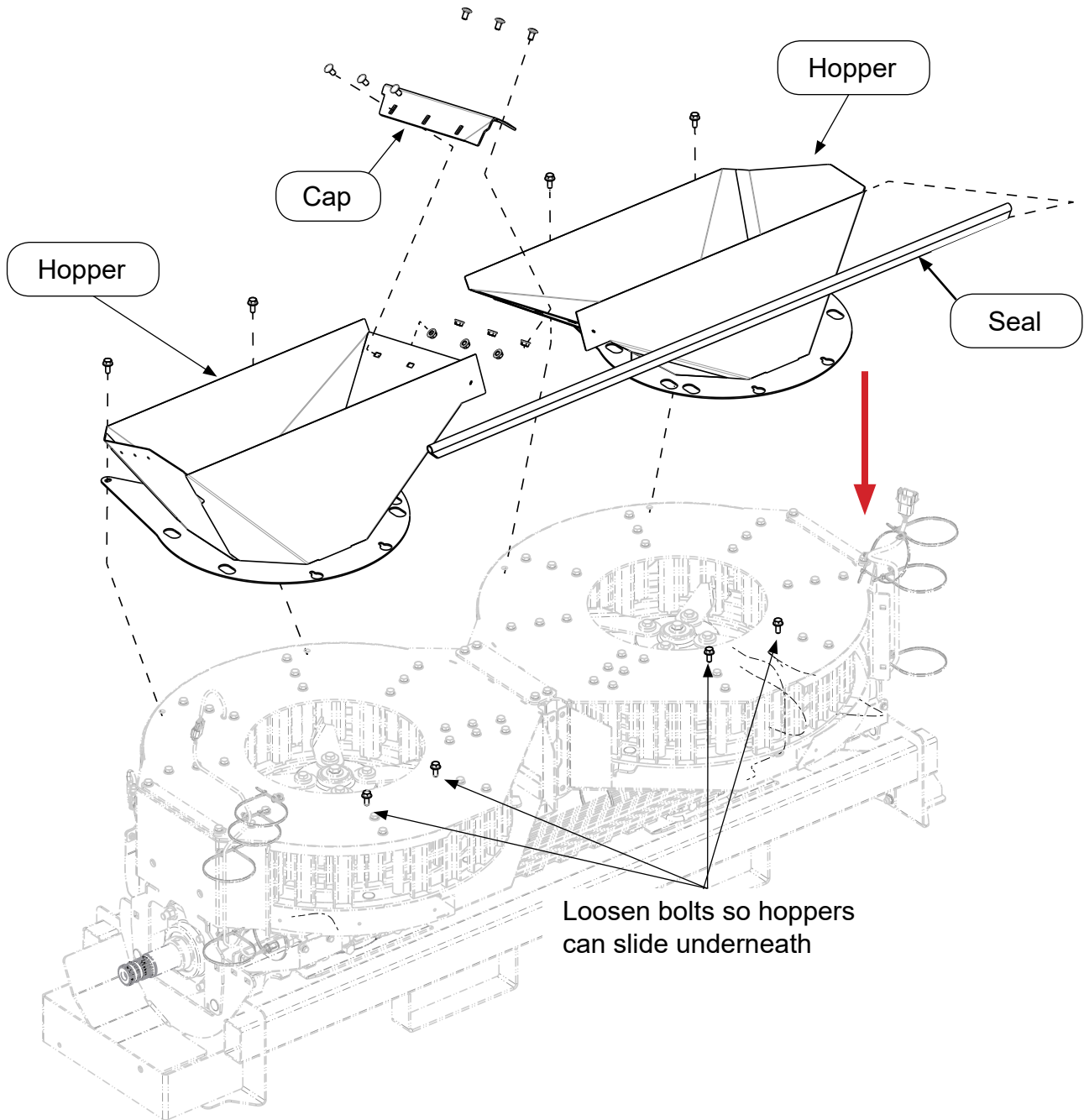
Ensure lip on lid is on outside of panel - both ends

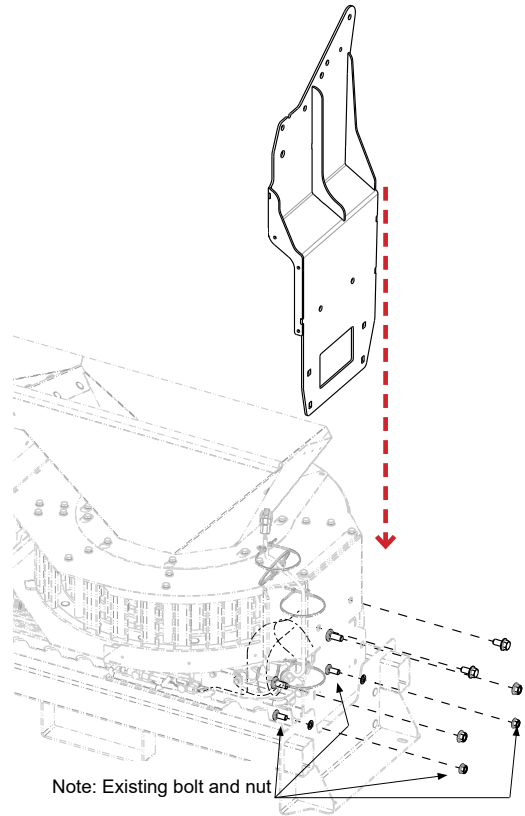
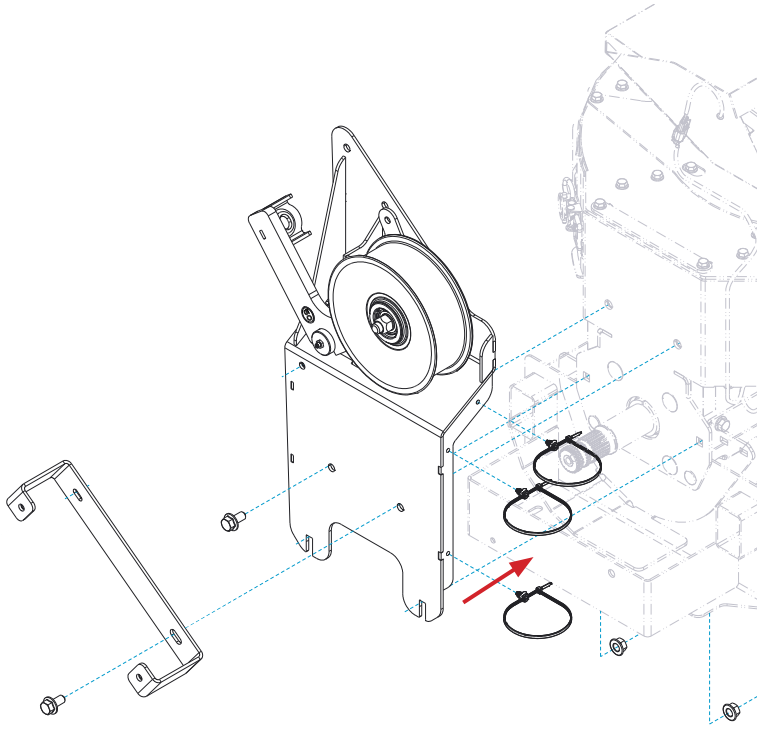
Ensure lip on lids are on inside of panel - center section only

14.4 Reassemble discharge chutes onto SCU

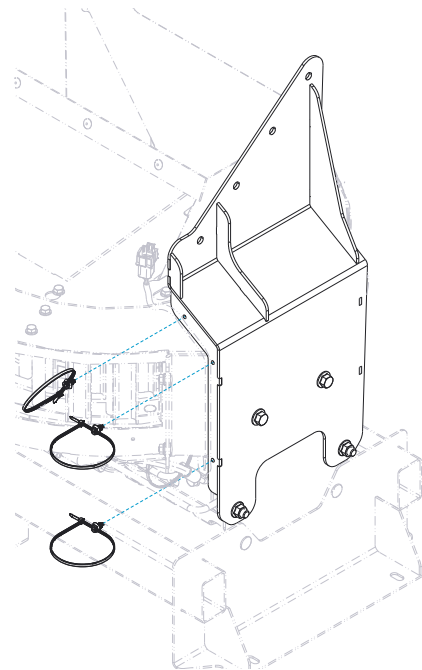


14.5 Reassemble hopper onto SCU
- may be required to loosen the center cap to place the hopper flat




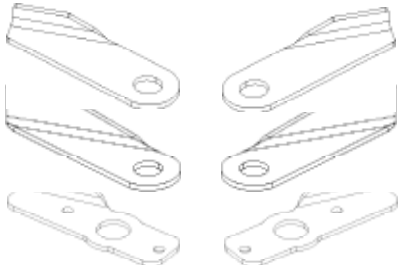




14.6 Reattach wire harness with cable ties
- #87741307 Harness Mount Fir Trees x6



15 Standard Wear Replacement Parts

Part #	Description		Service Kit # Qty in Kit
RP1028	Screw Taper Head Torx M4x14L		RP1017K 8
RP1017	Scraper SCU Rotor Top		8
SC165H	Bushing Blade SCU Outer		SC174K 16
SC163-01	Bushing Blade SCU Inner		16
SC252LC & SC252RC	Top Fan Blade .75 wide, Carbide Coated		SC253CK 4L / 4R
SC253LC & SC253RC	Bottom Fan Blade 1.5 wide, Carbide Coated		4L / 4R
SC204LC & SC204RC	Rotor Bottom Blade, Carbide Coated		4L / 4R

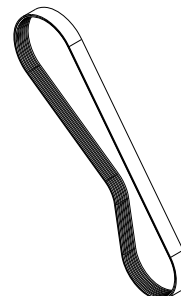


BE4M107K VBelt 4M 107L Kevlar
(Chopper to SCU drive belt)

BE3M114K VBelt 3M 114L Kevlar
(Jackshaft to Chopper - slow speed drive belt)



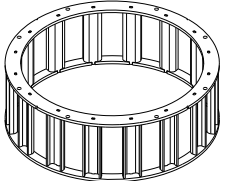
BE4M95K VBelt 4M 95L Kevlar
(Chopper to SCU drive belt)



Part #	Description	Service Kit # Qty in Kit
--------	-------------	-----------------------------

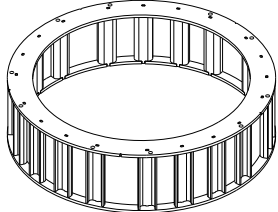


SC131H Stator Ring Inner - 16 U Bar
 ** Recommend swapping to opposite mill every year **



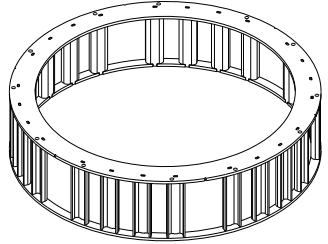
445mm Dia. SC133K
 1

SC132H Stator Ring Middle - 20 U Bar
 ** Recommend swapping to opposite mill every year **



550mm Dia. 1

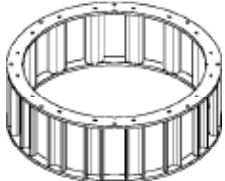
SC133H Stator Ring Outer - 24 U Bar
 ** Recommend swapping to opposite mill every year **



660mm Dia. 1

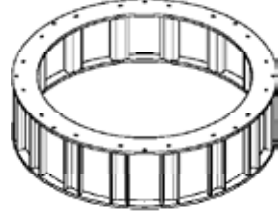


SC488H Stator Ring Inner - 16 U Bar
 ** Recommend swapping to opposite mill every year **



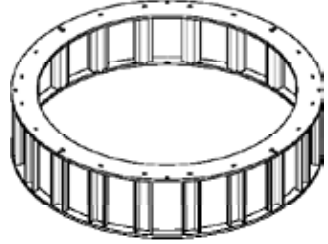
445mm Dia. SC409K
 1

SC408H Stator Ring Middle - 20 U Bar
 ** Recommend swapping to opposite mill every year **



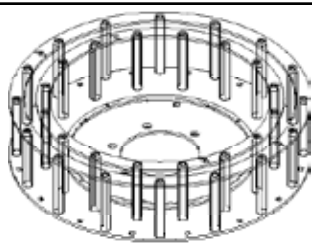
550mm Dia. 1

SC409H Stator Ring Outer - 24 U Bar
 ** Recommend swapping to opposite mill every year **



660mm Dia. 1

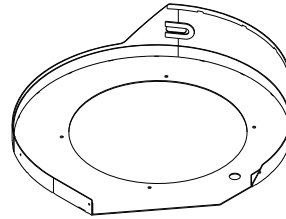
SC130A Rotor SCU
 ** Recommend swapping to opposite mill every year **



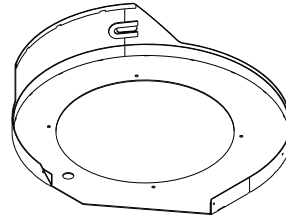
SC130A
 1

Part # Description

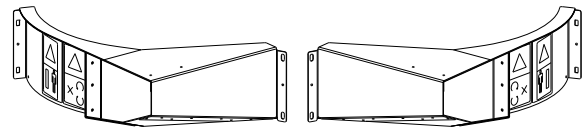
SC178GR Housing Btm SCU Rt - JD XFC
 SC178BR Housing Btm SCU Rt - AFX



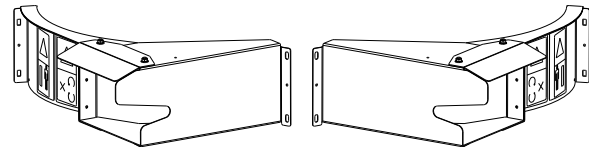
SC178GL Housing Btm SCU Lt - JD XFC
 SC178BL Housing Btm SCU Lt - AFX



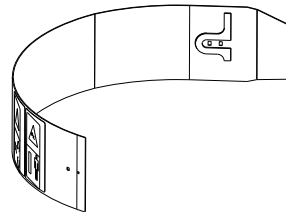
SC217GAL Outlet SCU Assy Lt - JD
 SC217GAR Outlet SCU Assy Rt - JD
 SC217BAL Outlet SCU Assy Lt - AFX
 SC217BAR Outlet SCU Assy Rt - AFX



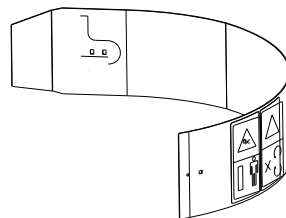
SC328GAL Outlet SCU OEM PC Assy Lt - JD
 SC328GAR Outlet SCU OEM PC Assy Rt - JD



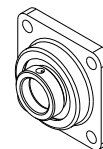
SC179GAL Cover Front Cleanout SCU Assy Lt - JD XFC
 SC179BAL Cover Front Cleanout SCU Assy Lt - AFX



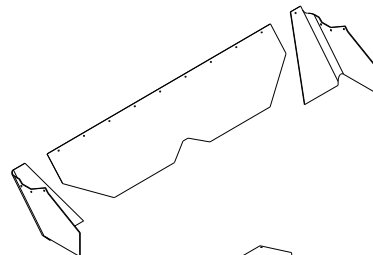
SC179GAR Cover Front Cleanout SCU Assy Rt - JD XFC
 SC179BAR Cover Front Cleanout SCU Assy Rt - AFX



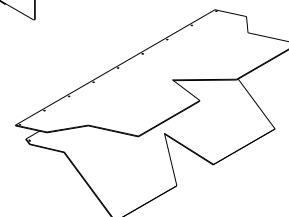
RP938A Bearing Assembly
 ** Model Year 22+ **
 ** Inspect yearly **
 ** Replace every 2 years **



SC186-01 Belting Lower Sieve Ext Middle - Nar
 SC269-01L Belting Lower Sieve Ext Corners Lt
 SC269-01R Belting Lower Sieve Ext Corners Rt



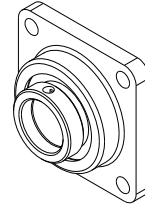
CS1118-01 Belting Sieve Ext AFX - Upper
 CS1096-01 Belting Sieve Ext AFX - Lower



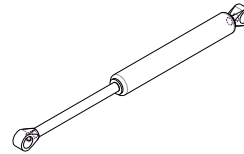
Part # Description

Common wearable parts on the **MAV Chopper** are listed below:

RP295A Bearing Assy 50mm id
(no greasing required)
** Replace every 2 years **



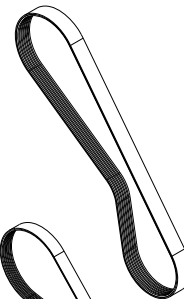
RP951A Gas Shock Assy HD
** Replace every year **



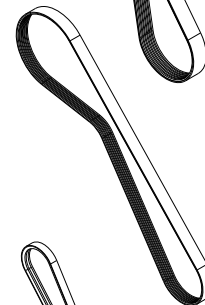
BE2C112K VBelt 2C 112L Kevlar
(Jackshaft to Chopper - high speed drive belt)



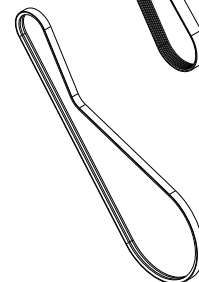
BE6M92K VBelt 6M 92L Kevlar
(PTO to Jackshaft drive belt)



BE6M121K VBelt 6M 121L Kevlar
(Jackshaft to Chopper drive belt)



BE2B117K VBelt 2B 117L Kevlar
(PTO to OEM Internal Chopper drive belt)





CAUTION

Check all fasteners to ensure they have been properly tightened

Torque Table

Nominal Size	Class 8.8	Class 10.9
	Nm / (ft-lbs)	Nm / (ft-lbs)
M8 - flanged	27 / (20)	39 / (29)
	- non flanged	25 / (18)
M10 - flanged	54 / (40)	57 / (42)
	- non flanged	49 / (36)
M12 - flanged	93 / (69)	134 / (98)
	- non flanged	85 / (63)



CAUTION

Wear Hearing Protection during operation



CAUTION

When starting SCU, be sure all people are clear of the rear of the combine



Start threshing module in low speed and listen for clearance problems. If a knocking noise is heard, stop the machine immediately! Fix problem and repeat procedure. Progress to full power when everything is running smoothly at lower speeds.