

REDEKOP™

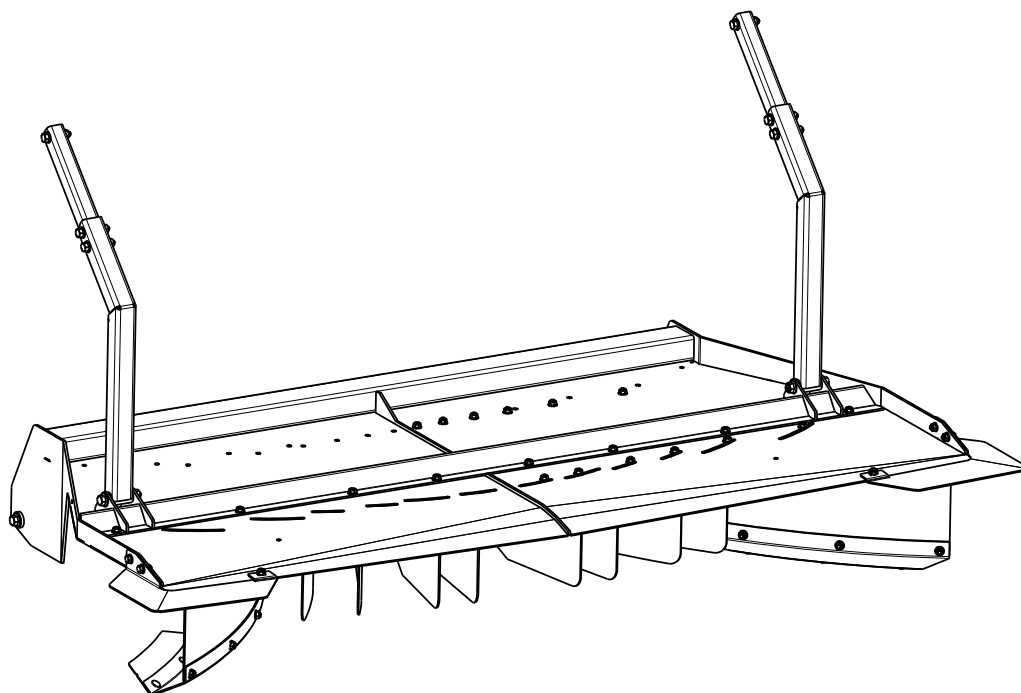
12 VANE TAILBOARD WIDE SPREAD FIN

JOHN DEERE STS

INSTALLATION MANUAL

PRODUCT NUMBER: 390-015

RD017-01_R2



0 Safety

0.1 Introduction

0.1.1 IMPORTANT: Read through this instruction thoroughly and familiarize yourself with the machine before removing these components. Do not skip steps or perform them out of order.

This instruction manual explains the proper procedure for preparing the combine and removing the Factory Spreader Components in order to install the Redekop MAV Chopper



0.2 Recognize Safety Information

0.2.1 This is a safety-alert symbol. When you see this symbol on your machine 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 equipment 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 machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

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

Other languages are available for this machine. Please contact Redekop



0.5 Safe Operating Practices

0.5.1 DO NOT stand near combine when machine is running.

ALWAYS refer to your Combine Operator's Manual, and review 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 death and/or injury.

Operate machine only when all guards are correctly installed.

Before moving away, always check immediate vicinity of machine (e.g. for children). Ensure adequate visibility. Use the 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 of the combine.

Never leave machine 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.

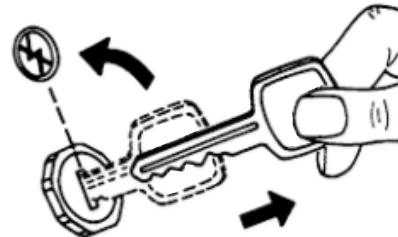


0.7 Remove Key from Ignition

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 machine while it is moving. Keep hands, feet, and clothing 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 machine 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 or welding on machine.



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.



0.11 Avoid Contact With Moving Parts

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



0.12 Avoid High-Pressure Fluids

0.12.1 Inspect hydraulic hoses periodically – at least once per year – for leakage, kinking, cuts, cracks, abrasion, blisters, corrosion, exposed wire braid 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.

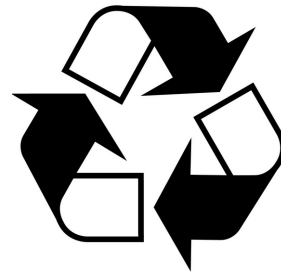


0.13 Dispose of Waste Properly

0.13.1 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.



0.14 Use Proper Lifting Equipment

0.14.1 Lifting heavy components incorrectly can cause severe injury or machine 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.

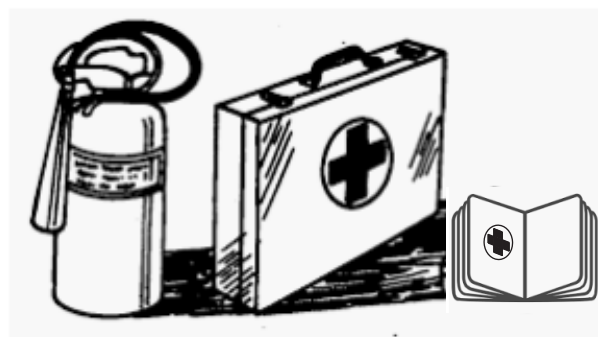


0.16 Prepare for Emergencies

0.16.1 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.



0.17 Fire Extinguisher

0.17.1 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.



0.18 Remove Accumulated Crop Debris

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



0.19 In the Event of Fire

0.19.1 Stop work immediately at first sign of fire. This may be the smell of smoke or the sight of smoke or flames. Get off the machine immediately and move away from the fire.

DO NOT RETURN TO THE MACHINE OR FIRE!



CAUTION: AVOID PERSONAL INJURY!

If a fire is too far advanced, do not try to extinguish it. Call the fire department! DO NOT RETURN TO THE FIRE! The number one priority is safety. Always put the safety of the operator and bystanders first.

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 with your back to the wind.
3. Release the locking mechanism on fire extinguisher to allow discharge.
4. Hold extinguisher upright, pointing nozzle away from you and aim hose at base of the flames.
5. Squeeze the lever slowly and evenly to discharge fire extinguisher.
6. Move extinguisher nozzle side to side 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)



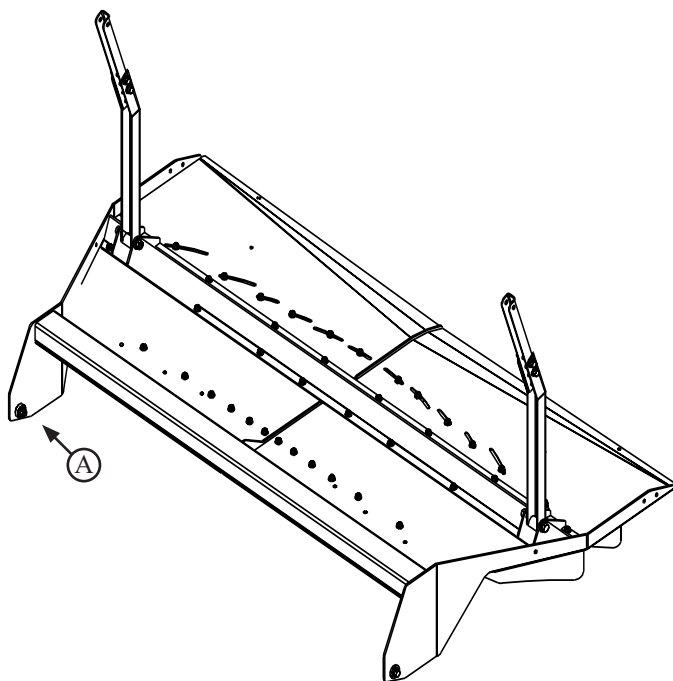
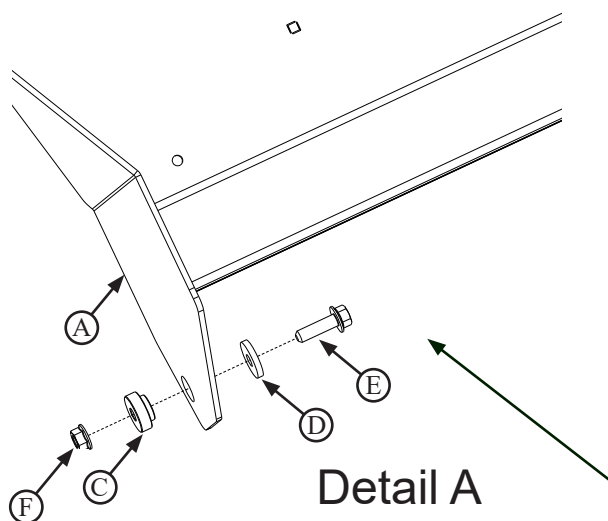
STS TAILBOARD UPGRADE

1. Assemble tailboard pivot plate (A) to chopper sidewall (B). Insert bushing (C) into tailboard pivot plate. The opposite face of the bushing rests against the chopper sidewall. *See Detail A.*

- 2 - Bushing (HA535) (C)
- 2 - M10 Heavy Washer (HA520) (D)
- 2 - M10 x 35 Flange head bolt (E)
- 2 - M10 Flange Nut (F)

Newer STS Combines use M12 hardware:

- 2 - Bushing (HA581) (C)
- 2 - M12 Heavy Washer (HA555) (D)
- 2 - M12 x 35 Flange head bolt (E)
- 2 - M12 Flange Nut (F)



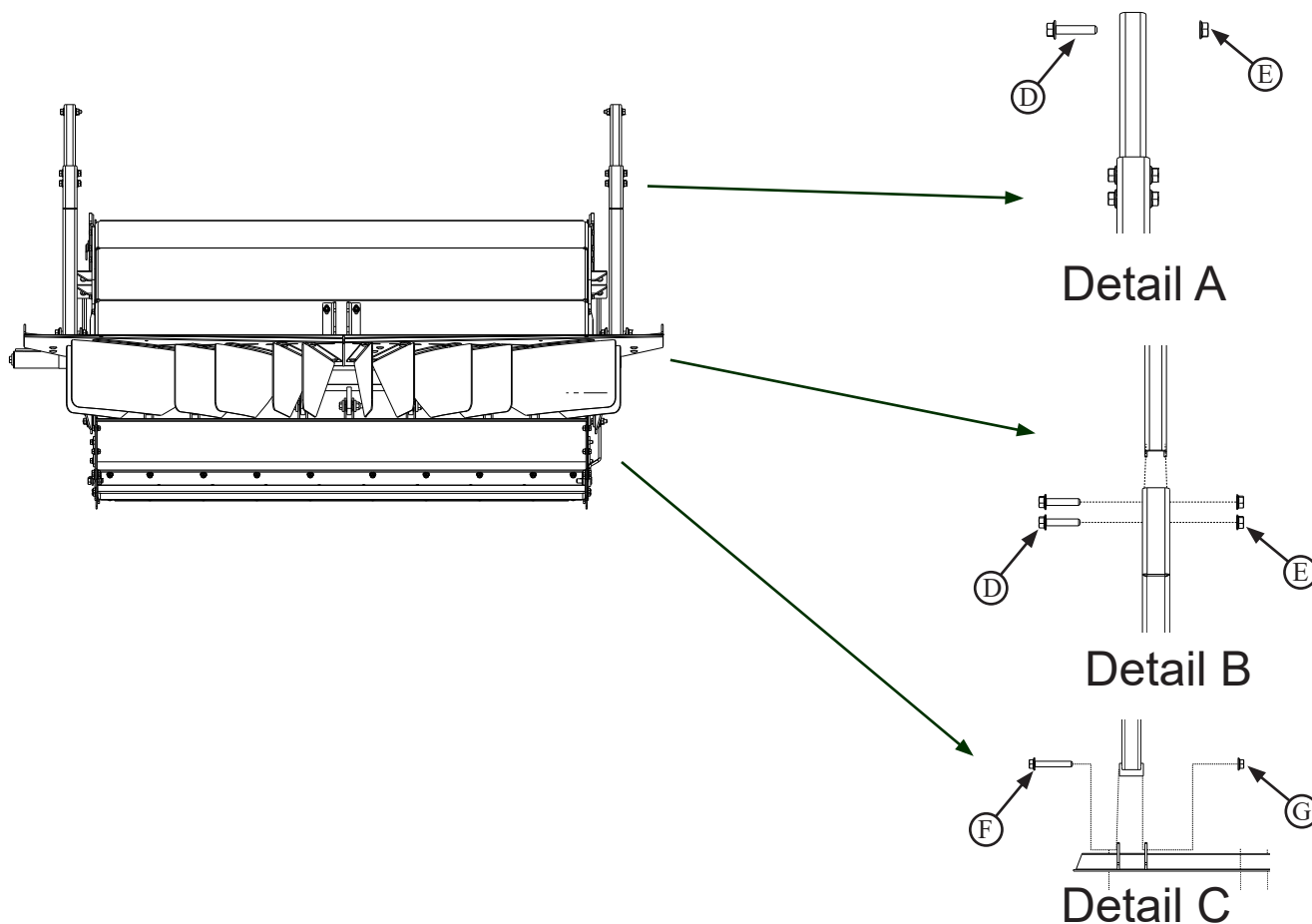
2. Mount arm (A) onto combine channel (B)
See detail A.
2 - M10 x 50 Bolt (D)
2 - M10 Lock Nut (E)

3. Assemble lower arm (C) with arm (A) at
the shortest length to start. Length may be
adjusted longer to narrow up spread width.
See detail B.

4 - M10 x 50 Bolt (D)
4 - M10 Lock Nut (E)

4. Lift tailboard up and assemble lower end of
arm (C) onto tailboard.
See Detail C.

2 - M12 x 80 Bolt (F)
2 - M12 Lock Nut (G)



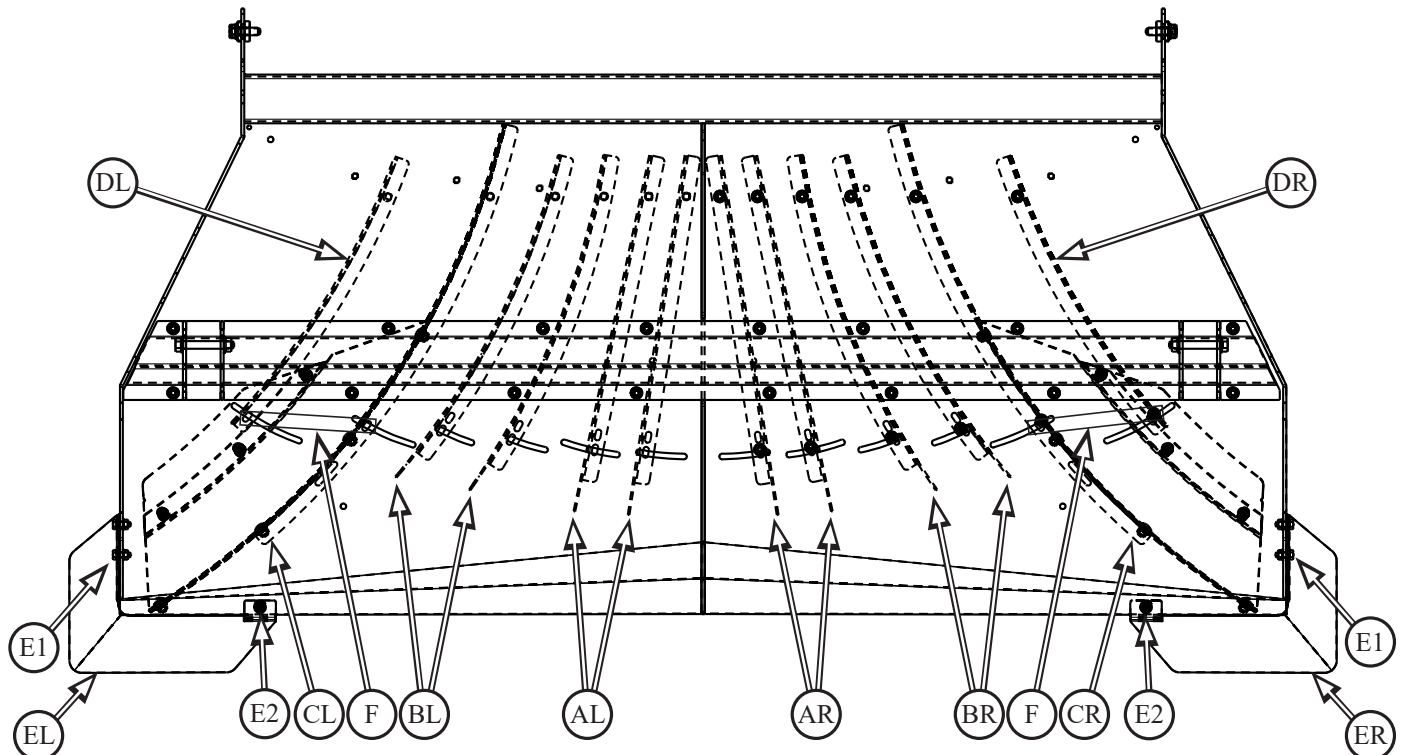
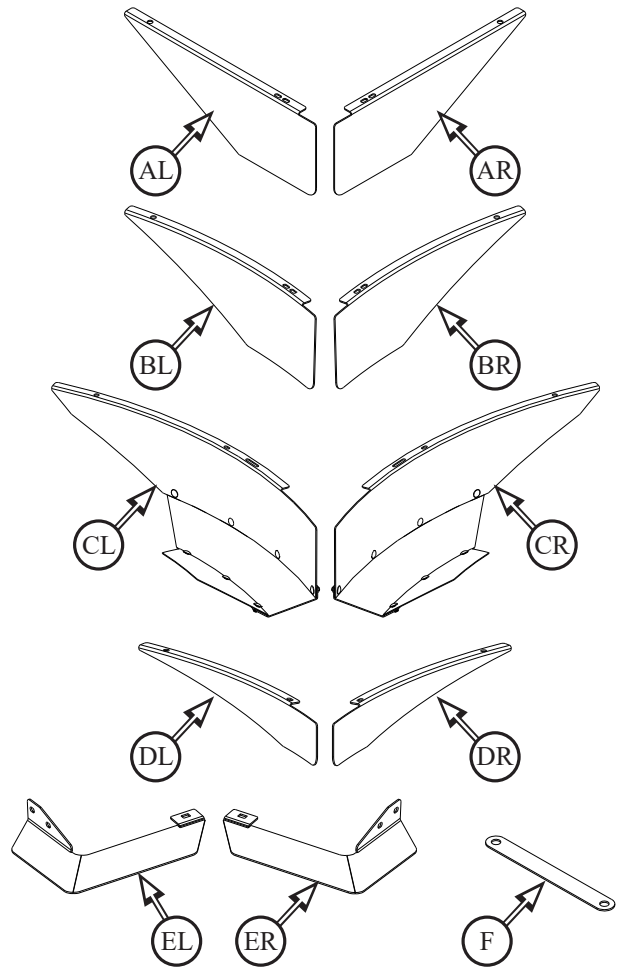
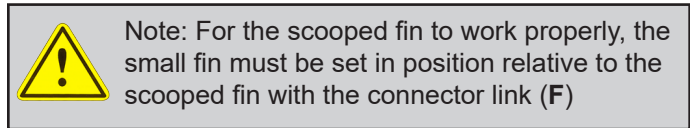
Wide Spread Tailboard Fin Placement

REF	DESCRIPTION	QTY
CG116GL	Fin 22in Str Left (AL)	2
CG116GR	Fin 22in Str Right (AR)	2
CG120GL	Fin 22in Crv Left (BL)	2
CG120GR	Fin 22in Crv Right (BR)	2
CG237GAL	Wide Spread Scooped Fin Left (CL)	1
CG237GAR	Wide Spread Scooped Fin Rt (CR)	1
CG761GL	Fin 19in Crv Left (DL)	1
CG761GR	Fin 19in Crv Right (DR)	1
CG478GL	Corner Extension Left (EL)	1
CG478GR	Corner Extension Right (ER)	1
CG733G	Link (F)	2

1. Install all tailboard fins with:
 - M8 x 16 round head bolt and flange nut
 - ensure head of bolt is on the underside of tailboard

2. Install corner extensions (**E**), with:
 - M8 x 20 flange head bolt and flange nut (**E1**) x2
 - M8 x 16 round head bolt and flange nut (**E2**)
 - head of bolt on underside of tailboard

3. Install connector link (**F**) to the scooped fin (**CL**) and outside curved fin (**DL**) on the top side of the tailboard
 - repeat for right side



Tailboard Angle:

1. Position tailboard to Figure 1 so the residue material when exiting the chopper, merges with the tailboard panel at the last third of the tailboard to provide maximum spread.
 - Use upper arm hole (A)

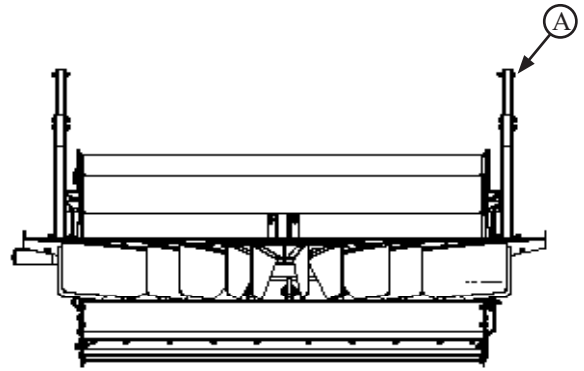


Figure 1

2. To deflect residue material downwards, position tailboard to Figure 2. Use lower arm hole (B)

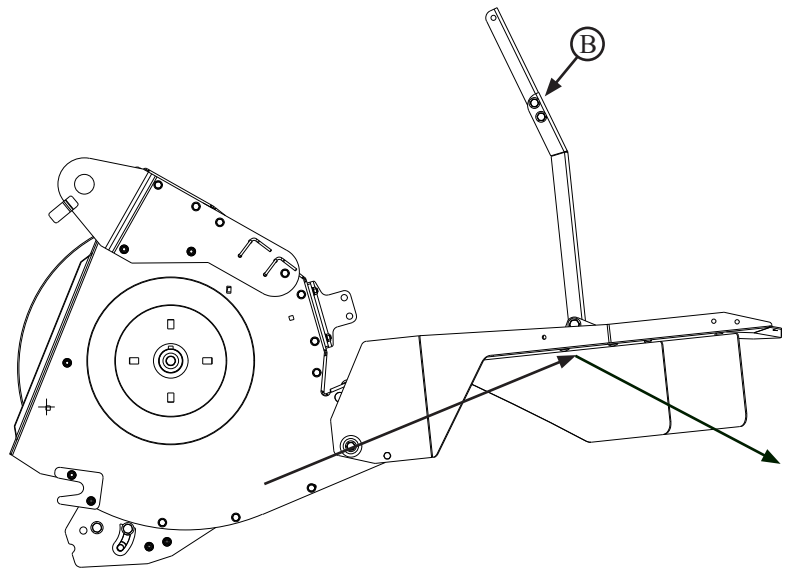


Figure 2



Note:

Check all fasteners to ensure they have been properly tightened.
When starting chopper, 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.

WARRANTY

Redekop Manufacturing 2014, hereinafter referred to as “Manufacturer”, warrants each new Redekop Seed Control Unit (SCU) sold by the Manufacturer to be free from defects in material and workmanship, under normal use and service, for a period of one (1) year after the date of delivery to the original retail purchaser. The Manufacturer will, at its option, replace or repair, at the Manufacturer’s factory, or at a point designated by the Manufacturer, any part or parts which shall appear to the satisfaction of the Manufacturer upon inspection at such point, to have been defective in material or workmanship. This Warranty does not obligate the Manufacturer to bear any transportation charges in connection with the replacement of defective parts.

This Warranty shall not apply to any alteration which shall have been installed or operated in a manner not recommended by the Manufacturer; nor to any repaired, altered, neglected or used part in any way which, in the Manufacturer’s opinion, adversely affects its performance; nor to any modification in which parts not manufactured or approved by the Manufacturer have been used; nor to any accessories installed on the SCU where the accessory manufacturer has its warranty; nor to normal maintenance or replacement of normal service items.

Manufacturer reserves the right to modify, alter, and improve any SCU or parts without incurring any obligation to replace any SCU or parts previously sold with such modified, altered or improved SCU or part.

THIS WARRANTY, AND THE MANUFACTURER’S OBLIGATION HEREUNDER, IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, OR OF FITNESS FOR A PARTICULAR PURPOSE, and all other obligations or liabilities, including special or consequential damages or contingent liabilities arising out of the failure of any SCU or part to operate properly. No person is authorized to give any other warranty or to assume any additional obligation on the Manufacturer’s behalf unless made in writing and signed by an officer of the Manufacturer.

This Warranty is effective only for the original purchaser.

Redekop Manufacturing 2014
Saskatoon, SK Canada



Activate your warranty.

Scan the code or visit www.redekopmfg.com/warranty

Notes:

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