

REDEKOP™

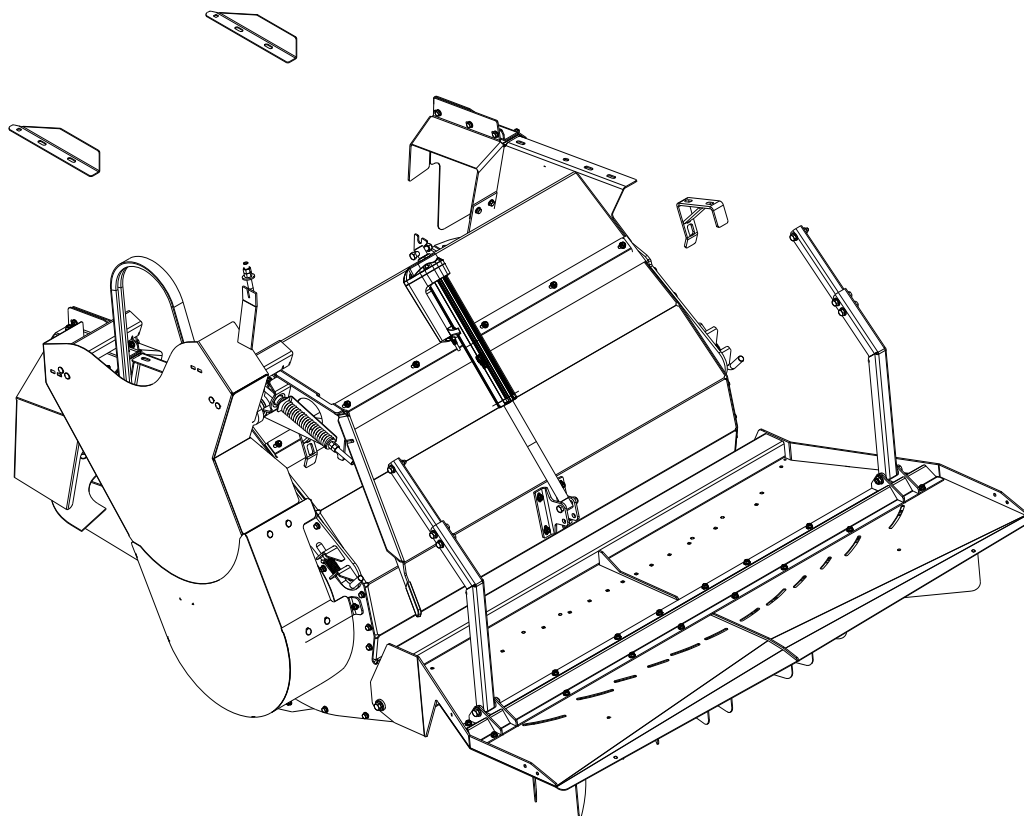
COMPLETE MAV

JOHN DEERE STS

50-60-70 SERIES

INSTALLATION MANUAL

PRODUCT NUMBER: **340-185**
340-186



**** CUSTOMER TO ORDER FROM JOHN DEERE ****

50/60 Series Combines

If combine model calls for a belt other then H204747 or H235564,
order the required belt as per John Deere parts manual, qty 1

If combine model calls for chopper drive sheave other then AH163887,
order the required sheave as per John Deere Parts manual, qty 1

In addition, the following parts are also required from John Deere:

Combine Model	Serial #	Combine Model	
9650-9750	BSN 472791	9860	
- AH211717 Harness	qty 1	- AH226009 Pulley	qty 1
- AH159283 Switch	qty 1		
9650-9750	ASN 472972		
- AH211675 Harness	qty 1		
- AH159283 Switch	qty 1		
9660	BSN 706775		
- AH211675 Harness	qty 1		
- AH159283 Switch	qty 1		
- AH140605 Proximity Switch	qty 1		
9760	BSN 706607		
- AH211675 Harness	qty 1		
- AH159283 Switch	qty 1		
- AH140605 Proximity Switch	qty 1		
9660	ASN 706775		
- AH211716 Harness	qty 1		
- AH159283 Switch	qty 1		
- AH225541 Proximity Switch	qty 1		
9760	ASN 706708		
- AH211716 Harness	qty 1		
- AH159283 Switch	qty 1		
- AH225541 Proximity Switch	qty 1		

**** CUSTOMER TO ORDER FROM JOHN DEERE ****

70 Series Combines

If combine model calls for a belt other then H204747 or H235564,
order the required belt as per John Deere parts manual, qty 1

Chopper drive sheave, order as per John Deere parts manual, qty 1

In addition, the following parts are also required from John Deere:

Combine Model	
9670-9770	
- AH220137 Harness	qty 1
- AH159283 Switch	qty 1
- AH221249 Sensor (proximity position)	qty 1

Complete MAV STS 50-60 Series Installation Manual

Table of Contents

	<u>Section</u>
Safety	0
Removal of Factory Chopper (if applicable)	1
STS MAV Chopper Assembly	2
STS MAV Chopper Installation	3.1
Lower Side Supports Installation	3.2
Actuator Installation	3.3
Chaff Vent Installation	3.4
Tail Board Installation	3.5
Drive Tensioner 50&60 Series Installation	3.6.1
Drive Tensioner 70 Series Installation	3.6.2
Idler Installation	3.7
Speed Sensor and Drive Sheave Installation	3.8
Drive Belt Installation	3.9
Drive Shield Installation	3.10
Beater Deflector Fins Installation	3.11

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.



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.

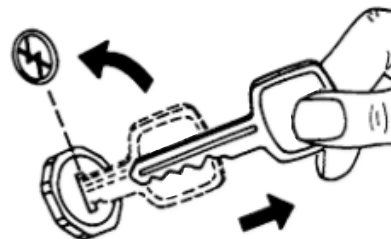


0.7 Remove Key from Ignition

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 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 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 Seed Control Unit.



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

0.11.1 Keep hands, feet and clothing away from power driven parts. Never clean, lubricate or adjust Seed Control Unit 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.

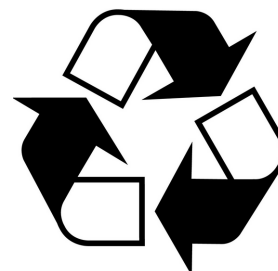


0.13 Dispose of Waste Properly

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 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.

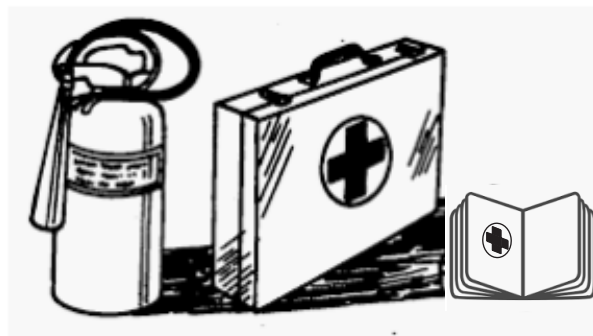


0.17 Prepare for Emergencies

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.



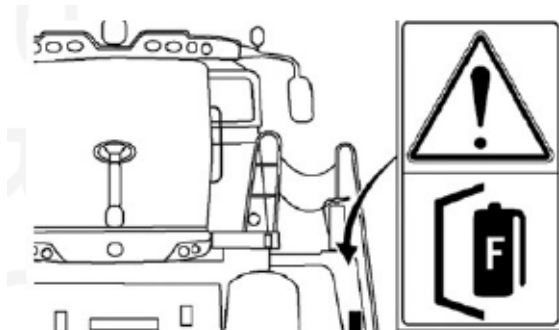
0.18 Fire Extinguisher

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)



0.14 Safety Decals

Hand Injury / Rotate Danger
RP871



Projectile Hazard / Stand Clear
RP872



Caution / Check Service Manual
RP873



Keep Hands out of Belt Area
RP874



High Pressure Fluid Hazard / Check Service Manual
RP876

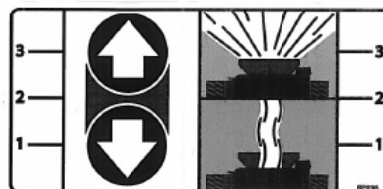


Pinch Point Hazard
84394351



0.15 Information Decals

Windrow Floor Adjustment
Wide Spread / No Spread
RP896



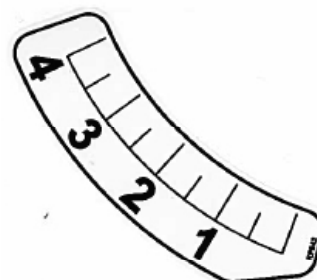
Redekop Straw Chopper Serial Number Plate
RP246



Redekop Jackshaft Serial Number Plate
RP927

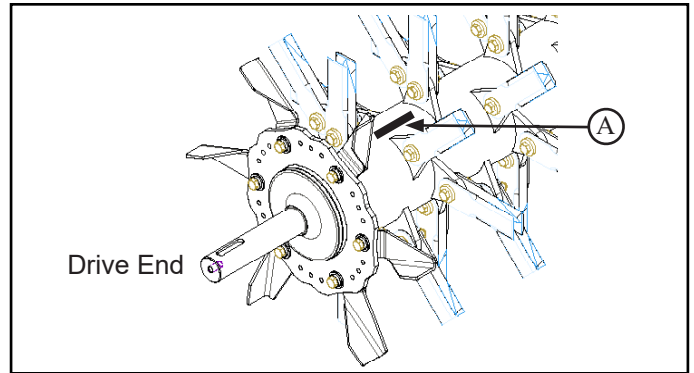


Knifebar Adjustment
RP942

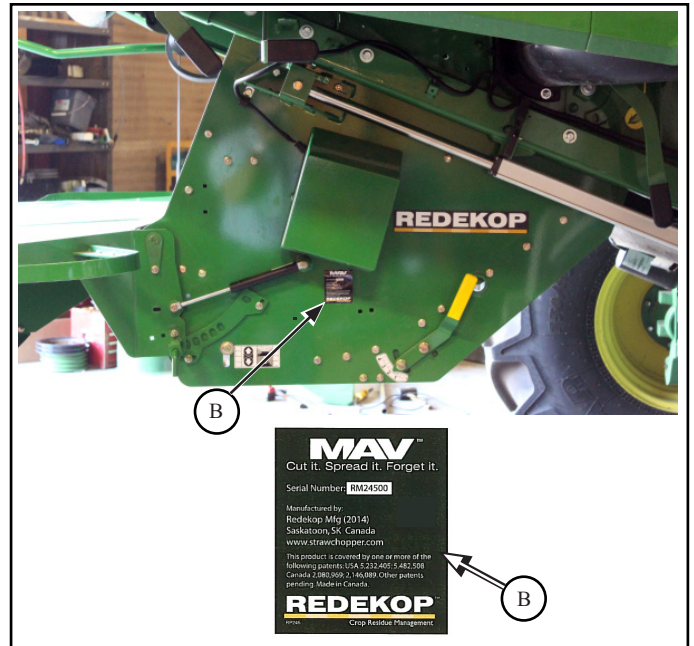


0.16 Serial Number

1. Rotor serial number (A):
 - stamped on the rotor, located on the drive end



2. Straw chopper serial number plate (B):
 - located on the chopper wall, non-drive side, below the rotor shaft shield



1 Removal of STS Factory Straw Spreader and Components



This kit is designed to replace the factory straw spreader - additional parts may be required. Order as required from your John Deere dealer

1.1 Remove straw spreader, hydraulic lines and all components as required



1.2 Drain hydraulic oil reservoir or use vacuum pump D15032NU on reservoir fill spout which will allow removal of hydraulic components without draining the reservoir

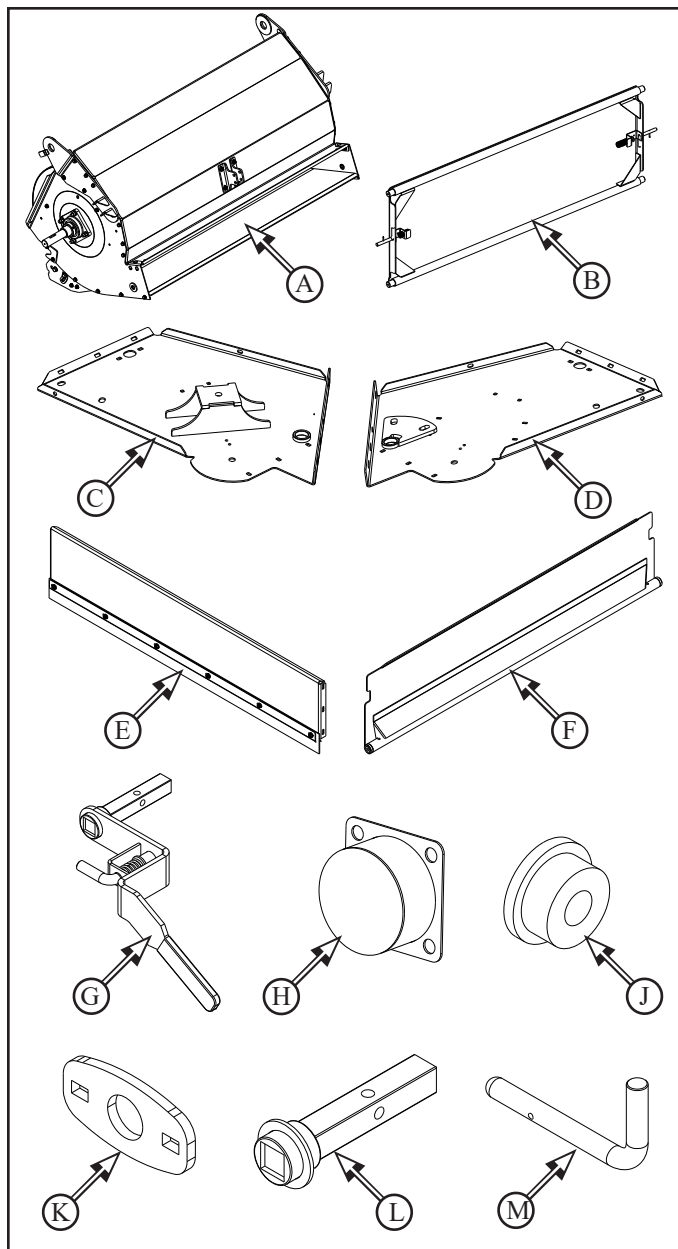
1.3 Remove spreader pump and lines from hydraulic oil reservoir.

1.4 Plug lines at reservoir

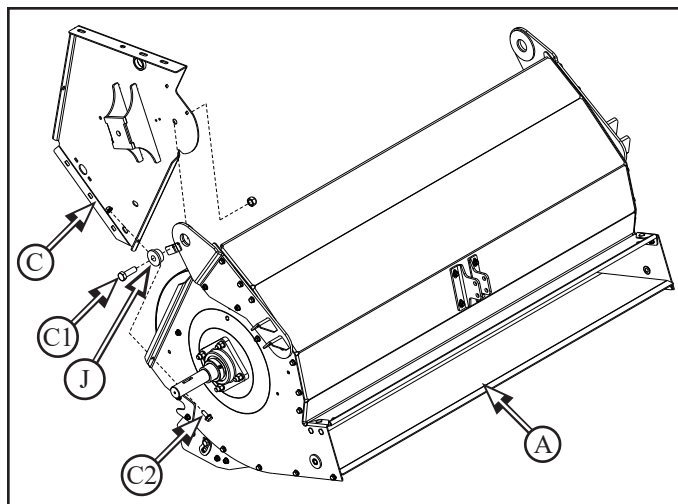
2 STS MAV Chopper Assembly

Parts List:

CD543GA	MAV Chopper JD STS (A)	Qty 1
CD571GA	Chaff Panel Assembly (B)	Qty 1
CD576GL	Upper Side Plate Lt (C)	Qty 1
CD576GR	Upper Side Plate Rt (D)	Qty 1
CD577GA	Roof Door Panel (E)	Qty 1
CD599G	Straw Door (F)	Qty 1
CD580GA	Adjustment Handle (G)	Qty 1
CD614G	Chopper Shaft Cover (H)	Qty 1
CD605Z	Bushing (J)	Qty 2
CD572Z	Support Plate (K)	Qty 2
CG131Z	Pivot Pin (L)	Qty 1
CD593Z	Roof Latch Pin (M)	Qty 1

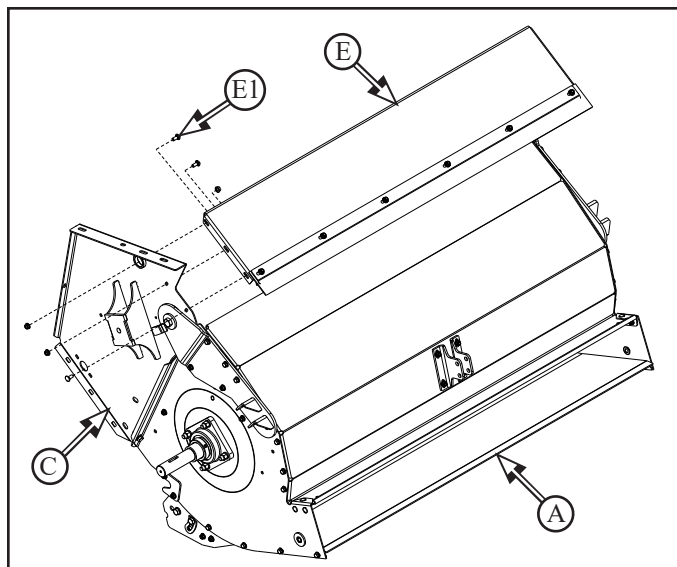


- 2.1** Install left Upper Side Plate (C) to chopper (A), with:
- M16 x 50 hex head bolt and lock nut (C1) thru bushing (J)
 - M10 x 25 flange bolt and flange nut (C2)



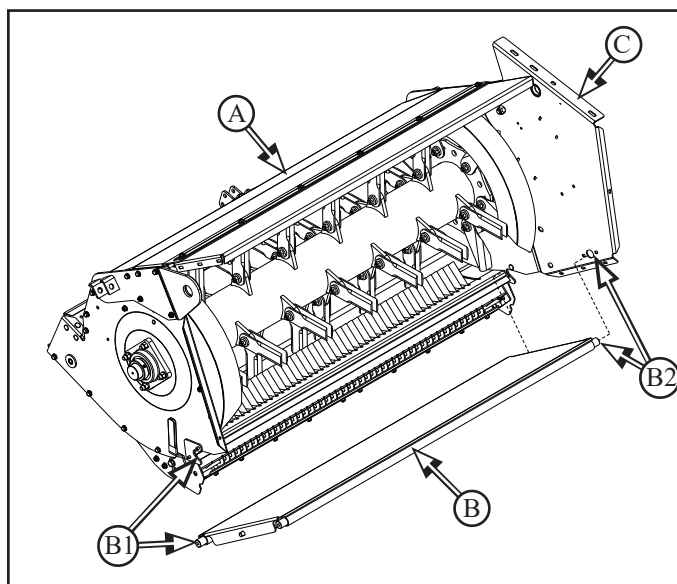
2.2 Install Roof Door Assembly (**E**) to left upper side plate (**C**), with:

- M8 x 20 round head bolt and flange nut (**E1**) x3



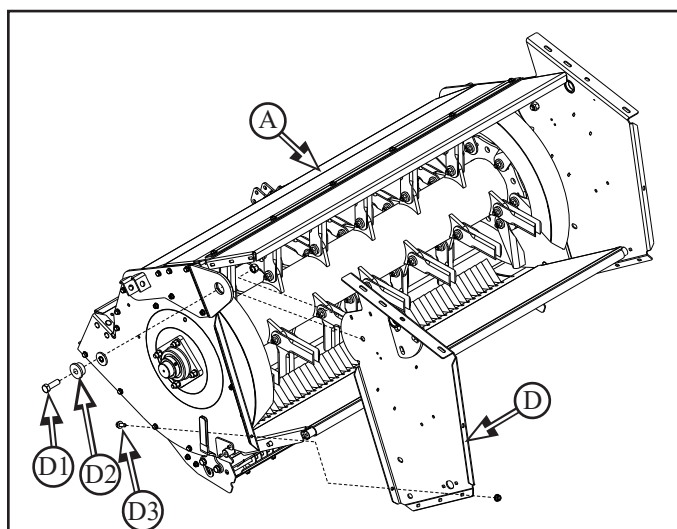
2.3 Install Chaff Panel Assembly (**B**) to left upper side plate (**C**)

- slide pin (**B1**) into bottom slot
- engage pin (**B2**) into side plate hole



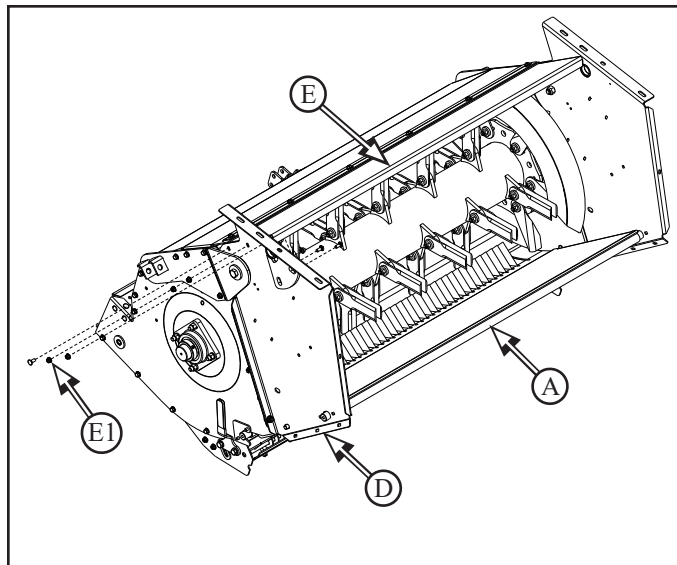
2.4 Install right Upper Side Plate (**D**) to chopper (**A**), with:

- M16 x 50 hex head bolt and lock nut (**D1**) thru bushing (**D2**)
- M10 x 25 flange bolt and flange nut (**D3**)



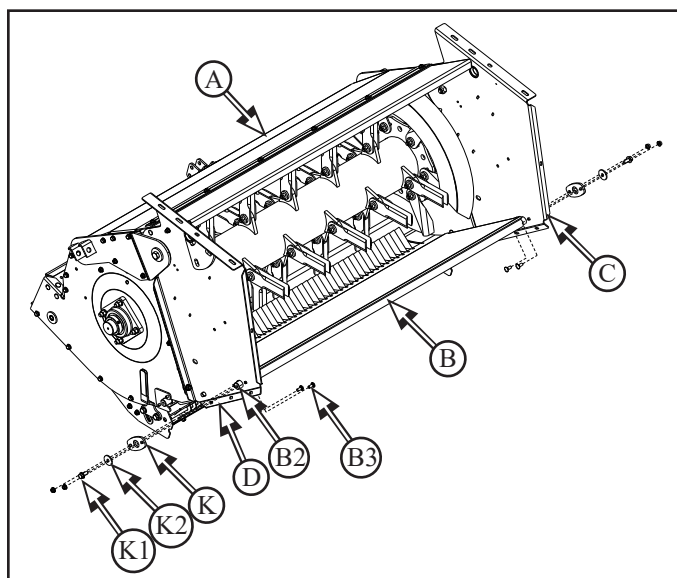
2.5 Secure Roof Door Assembly (E) to right upper side plate (D), with:

- M8 x 20 round head bolt and flange nut (E1) x3



2.6 Secure Chaff Panel Assembly (B) to upper side plates (C & D), with:

- slide support plate (K) over pin (B2)
- M8 x 25 flange bolt (K1), fender washer (K2) and flange nut into pin (B2)
- M8 x 20 round head bolt and flange nut (B3) x2
- Both sides

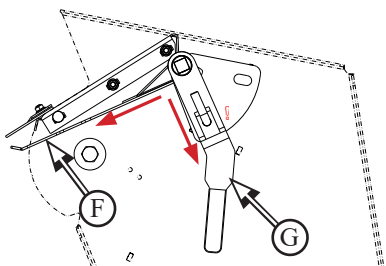
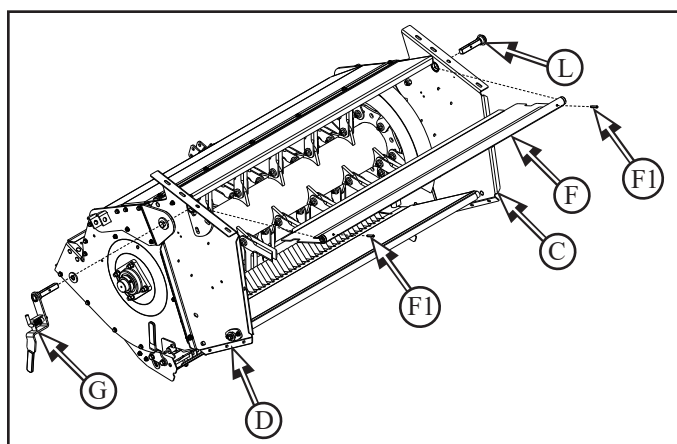


2.7 Install Straw Door (F) to upper side plates (C & D), with:



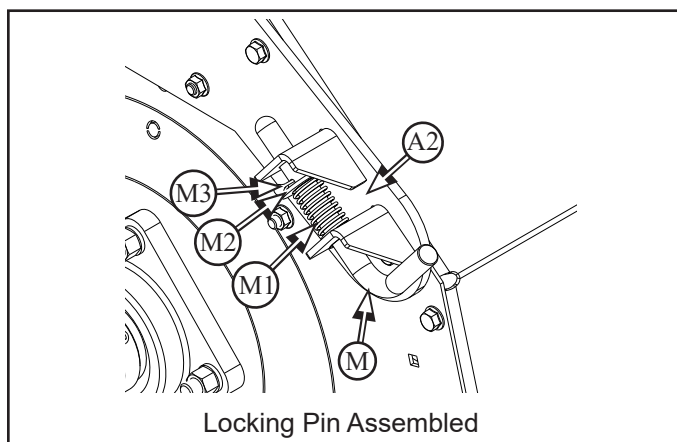
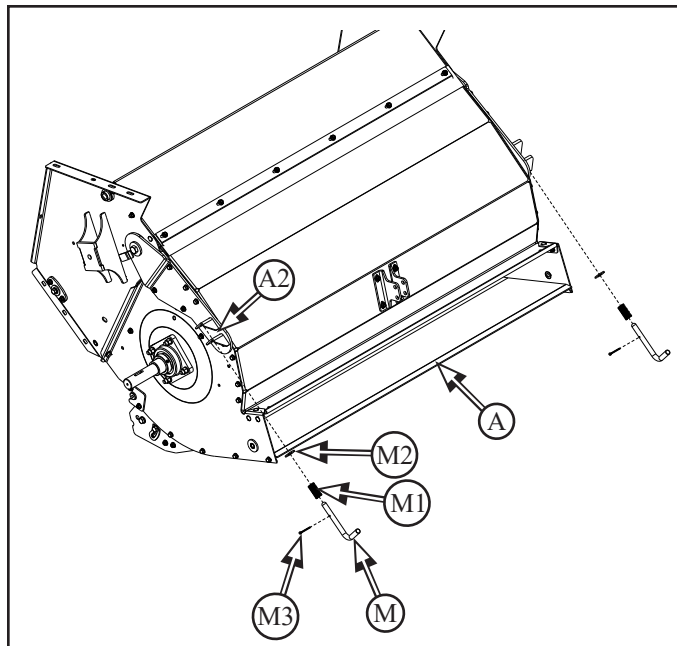
- orientation of door (F) and handle (G) is important - install as per diagram below with handle in lower position and door at 8 o'clock position

- slide adjustment handle (G) thru right side plate (D) into door tube
- slide pivot pint (L) thru left side plate (C) into door tube
- secure handle and pivot pin into place with roll pin (F1) thru door tube



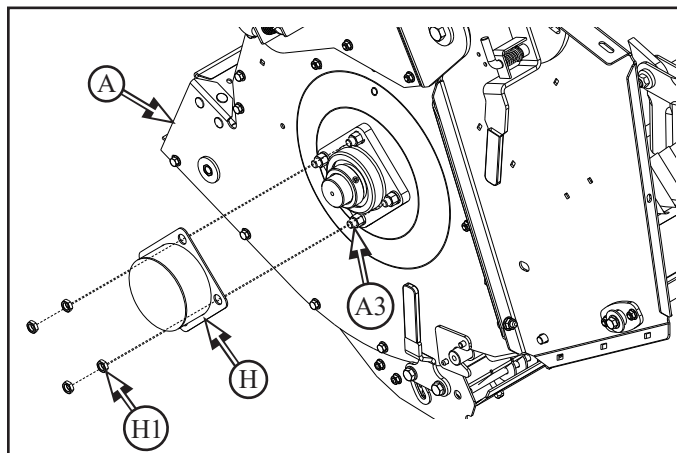
2.8 Install Locking Pin (**M**) to chopper tab (**A2**), with:

- locking pin (**M**)
- spring (**M1**)
- flat washer (**M2**)
- cotter pin (**M3**)
- both sides



2.9 Install Chopper Shaft Cover (**H**) to bearing mount bolts (**A3**), with:

- M12 jam nut (**H1**) x4



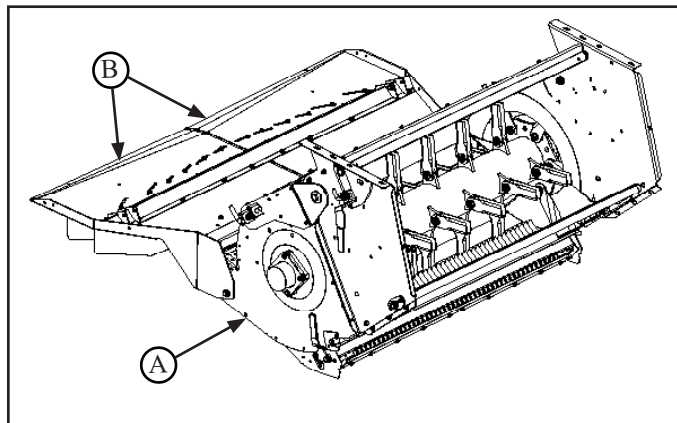
3 STS MAV Chopper Installation

3.1 Chopper Installation

Parts List:

CD576GA	Chopper Complete MAV JD STS (A)	Qty 1
CD360GA	STS Tailboard Assembly (B)	Qty 1

3.1.1 Remove tailboard assemblies (B) from chopper housing (A) for ease of installation

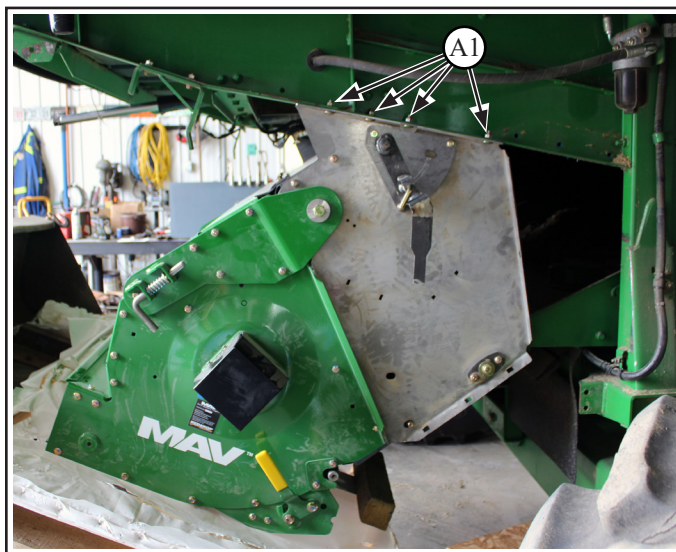


3.1.2 Ensure chopper is strapped to the pallet

3.1.3 Lift chopper (A) up to the combine frame (C) and align to holes



3.1.4 Attach chopper (A) to combine with:
- M8 x 25 round head bolts and flange nuts (A1) x4
- both sides

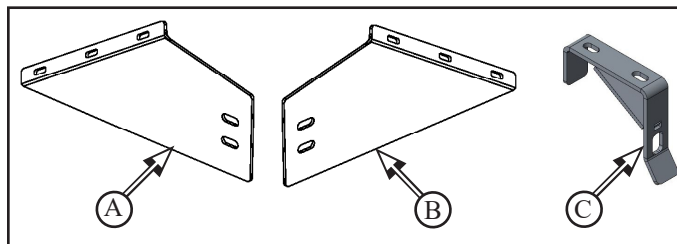


3.2 STS Lower Side Supports and Hanger Installation

Parts located in CD570GS STS Complete Chopper Completion Box

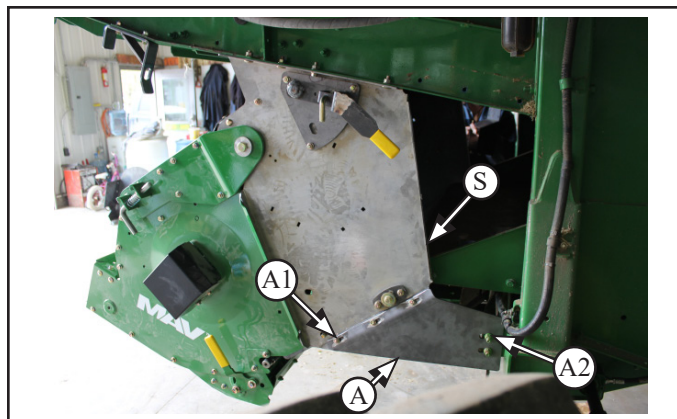
Parts List:

CD570GR	STS Lower Side Support Rt (A)	Qty 1
CD570GL	STS Lower Side Support Lt (B)	Qty 1
CD575G	STS Chopper Hanger (C)	Qty 2



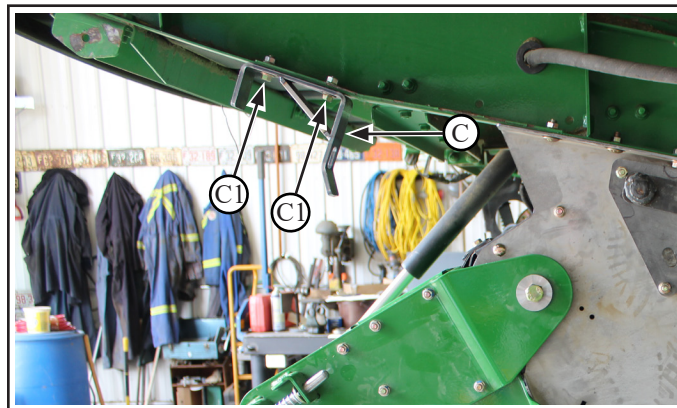
3.2.1 Install right lower side support (A) to the bottom of the chopper side wall (S) with:

- M8 x 20 round head bolts and flange nuts (A1) x3
- round head on the inside
- M12 x 25 flange bolts and flange nuts (A2) x2
- both sides



3.2.2 Install chopper hanger bracket (C) to combine with:

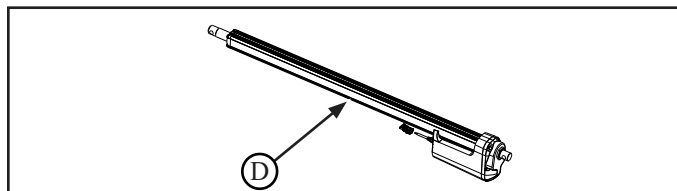
- M10 x 25 flange bolts and flange nuts (C1) x2
- both sides



3.3 Actuator installation

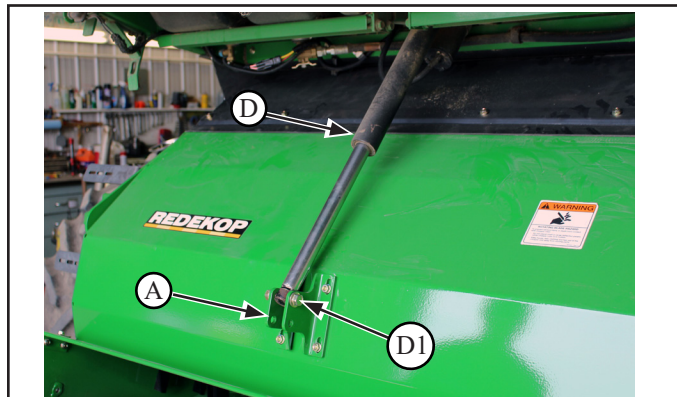
Parts List:

RP827A	Actuator Linear 12V 300mm Stroke (D)	Qty 1
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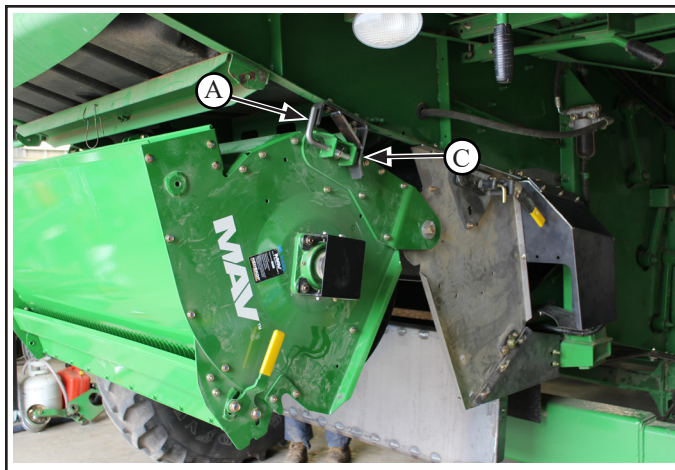


3.3.1 Attach linear actuator (D) onto combine and chopper housing (A) with:

- M12 x 60 flange bolt and flange nut (D1) x2



- 3.3.2** Pivot Chopper up and align pin (A) to hanger bracket hole (B)
- adjust Hanger Bracket if pin does not line up with hole
 - both Sides

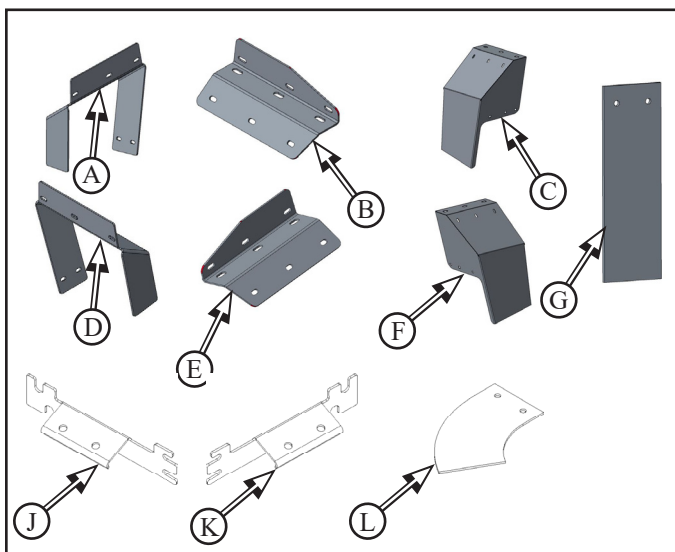


3.4 Chaff Vent Installation

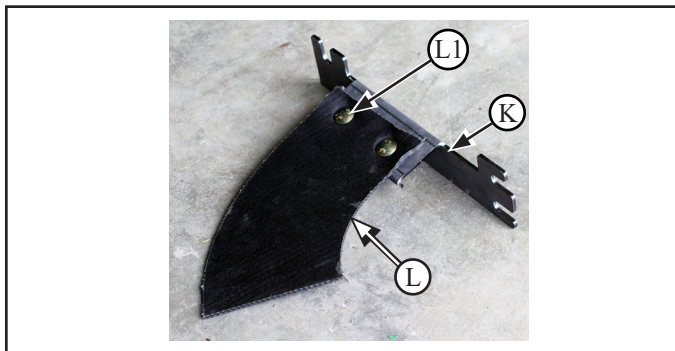
parts located in CD570GS Box

Parts List:

CD603GL	Shroud Inner Vent Lt (A)	Qty 1
CD604GL	Mount Vent Shield Lt (B)	Qty 1
CD598GL	Outer Vent STS Lt (C)	Qty 1
CD603GR	Shroud Inner Vent Rt (D)	Qty 1
CD604GR	Mount Vent Shield Rt (E)	Qty 1
CD598BR	Outer Vent STS Rt (F)	Qty 1
CD113-01	Belting STS Vent (G)	Qty 2
CD615GL	Bracket Sieve Belt Lt (J)	Qty 1
CD615GR	Bracket Sieve Belt Rt (K)	Qty 1
CD616-01	Belting STS Vent (L)	Qty 2

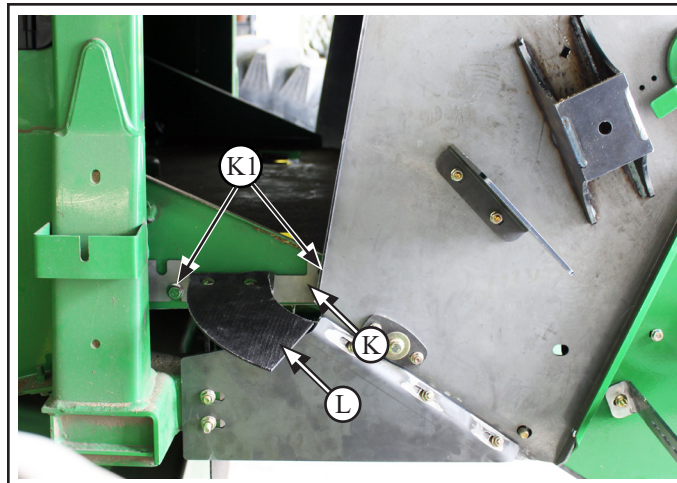


- 3.4.1** Install belting (L) onto left belt sieve bracket (K) as shown with:
- M8 x 16 round head bolt and flange nuts (L1) x2
 - repeat for right hand bracket



3.4.1.1 Loosen bolts (**K1**) x2 on side of combine seive

3.4.1.2 Slide belt seive bracket assembly (**K&L**) onto loose bolts (**K1**) and tighten into place
- both sides



3.4.2 Install left inner shroud vent (**A**) to the left inside combine wall and left vent mount (**B**) to the left outside combine with:

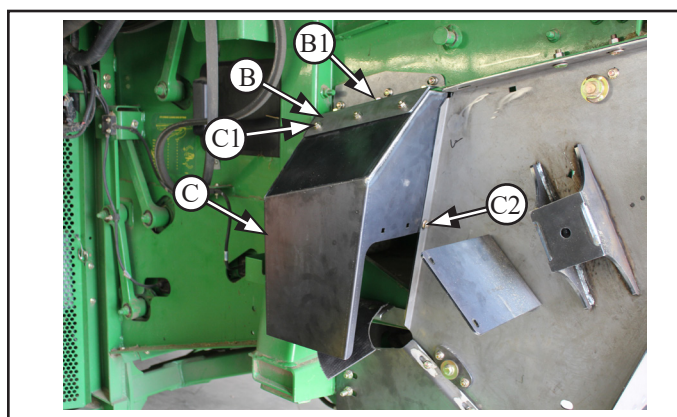
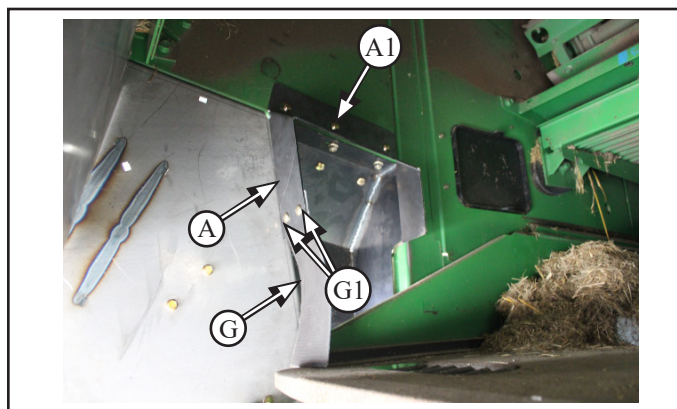
- M8 x 20 flange bolts and flange nuts (**A1**) x3
- both sides

3.4.3 Install vent belting (**G**) to the bottom of inner shroud vent (**A**) with:

- M8 x 20 round head bolts and flange nuts (**G1**) x2
- both sides

3.4.4 Install left outer vent (**C**) to the left vent mount (**B**) with:

- M8 x 16 flange bolts and flange nuts (**C1**) x3
- M10 x 20 flange bolts and flange nuts (**B1**) x3
- M8 x 16 round head bolts and flange nuts (**C2**) x1
- both sides

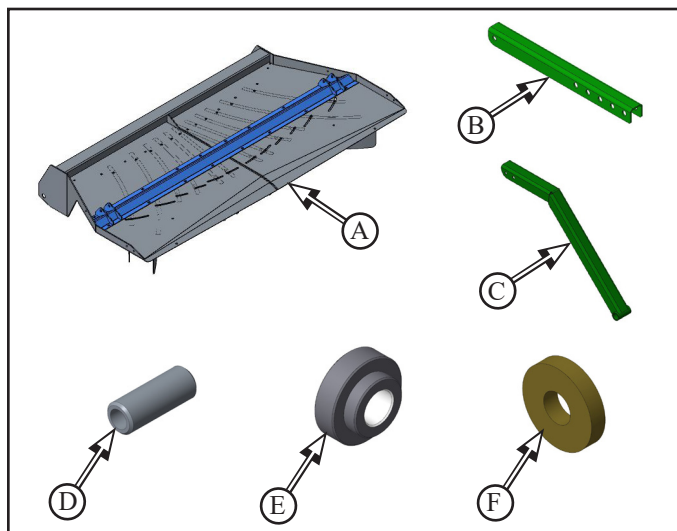


3.5 Tail Board Installation

parts located in CD570GS Box

Parts List:

CG360GA	Tailboard STS 55W (A)	Qty 1
RD119G	Link Tail Board (B)	Qty 2
CD608G	Arm Lower Tailboard (C)	Qty 2
RD133	Bushing .52Idx.82Odx2.13L (D)	Qty 2
HA581	Bushing .49IDx1.25ODx.58TK (E)	Qty 2
HA555	Washer Rotor .485id 1.25od Hrd (F)	Qty 2



3.5.1 Install tailboard (A) on to the chopper (H) with:

- M12 x 35 flange bolt (A1)
- Bushing (E) and Washer (F)

Note: Bushing is placed between chopper housing and tailboard

- Both sides

3.5.2 Insert bushing (D) into lower arm (C) tube

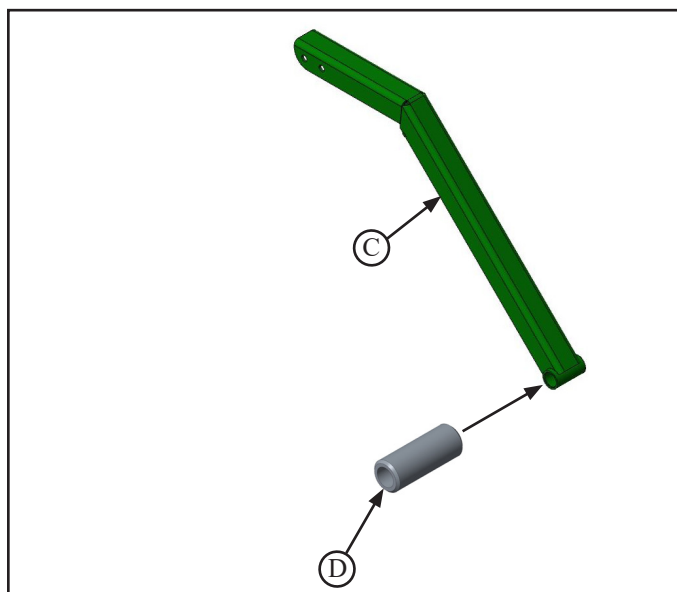
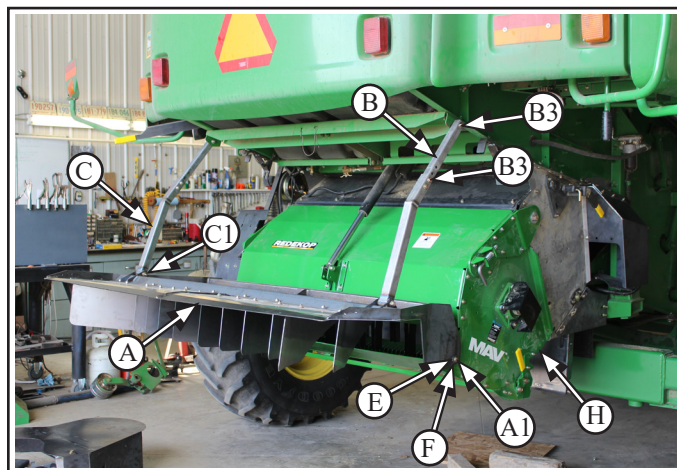
- both arms

3.5.3 Install lower arm (C) on to the chopper (A) with:

- M12 x 80 flange bolt and flange nut (C1)
- both sides

3.5.4 Install link arm (B) to lower arm (C) and combine with:

- M10 x 50 flange bolt and flange nut (B3) x3
- both sides



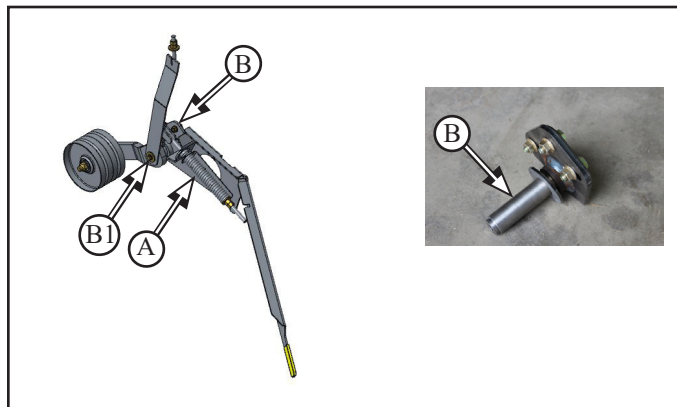
3.6.1 Drive Tensioner - 50 & 60 Series Installation

parts located in CD584GS Box

Parts List:

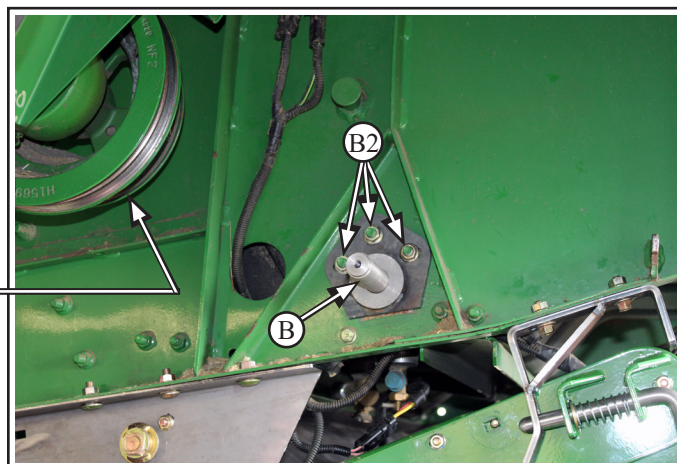
CD584GA Idler Arm Tension Assy 50/60S STS (A) Qty 1

3.6.1.1 Remove mount pin (B) from idler tension arm assembly (A) by removing the M8 x 20 flange bolt and M8 washer (B1)



3.6.1.2 Install mount pin (B) to left side of combine with:
- M10 x 25 flange bolt and flange nut (B2) x3

If slow speed driver sheave is not installed, please
order from local dealer _____

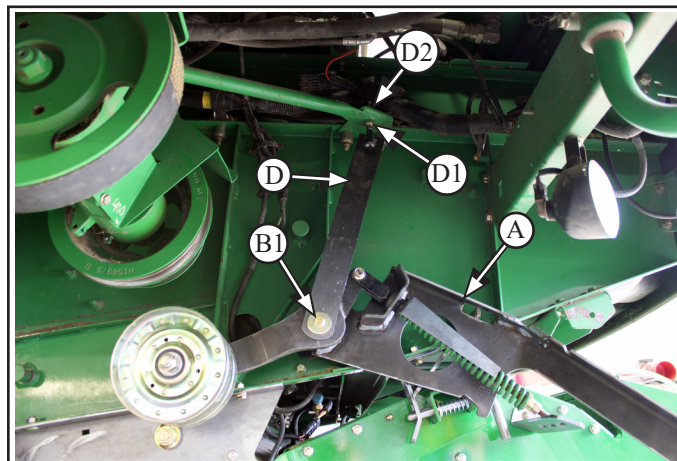


The chopper MUST be ran in Slow Speed for Corn and Sunflowers

3.6.1.3.1 Thread M12 nut (D1) onto threaded rod of arm (D)

3.6.1.3.2 Install Idler tension arm assembly (A) onto mount pin (B) and insert threaded rod on arm (D) up into hole in combine with:

- M8 x 20 flange bolt and flat washer (B1)
- M12 nut and washer (D2)



3.6.2 Drive Tensioner 70 Series Installation

parts located in CD594GS Box

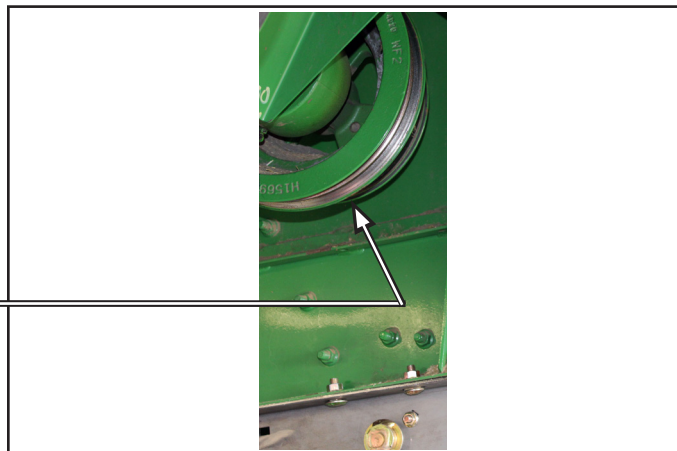
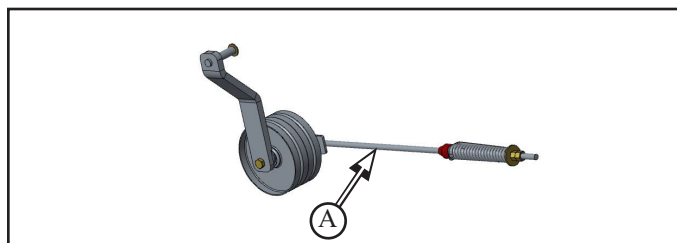
Parts List:

CD594GA Idler Arm Tension Assy 70S STS (A) Qty 1



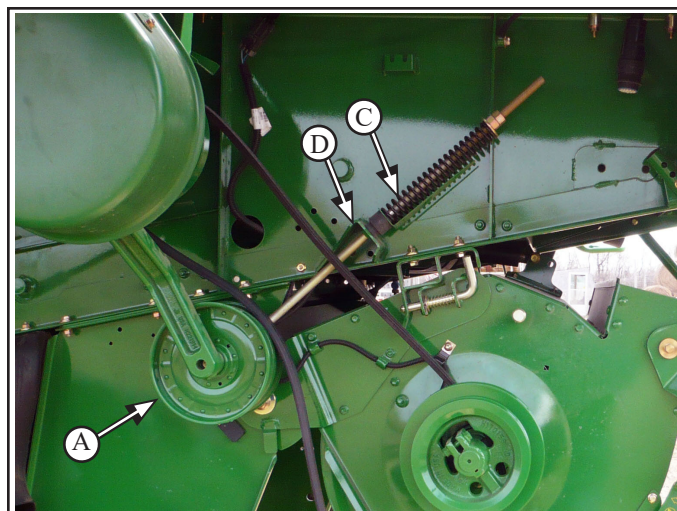
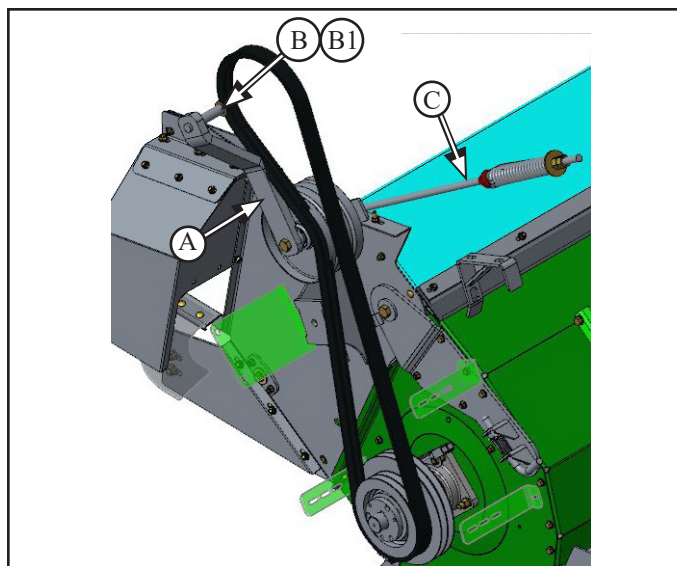
The chopper MUST be ran in Slow Speed for Corn and Sunflowers

If slow speed driver sheave is not installed, please order from local dealer



3.6.2.1 Install drive tensioner arm assembly (B) onto drive tensioner mount on the side of combine with:
- M8 x 25 flange bolt and flat washer (B1)

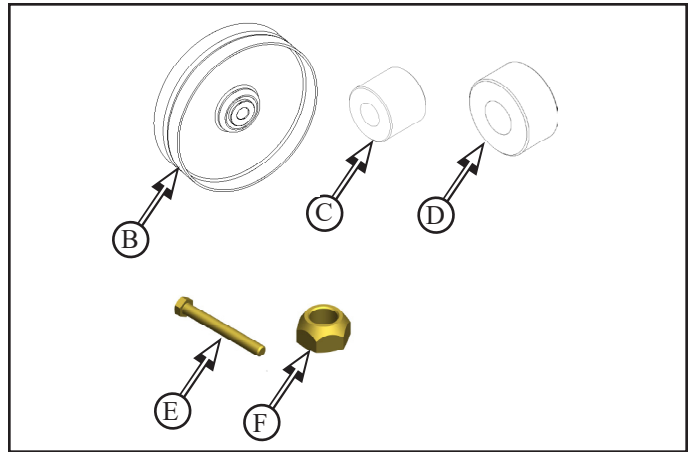
3.6.2.2 Install Idler Tension Arm (C) onto combine mount (D)



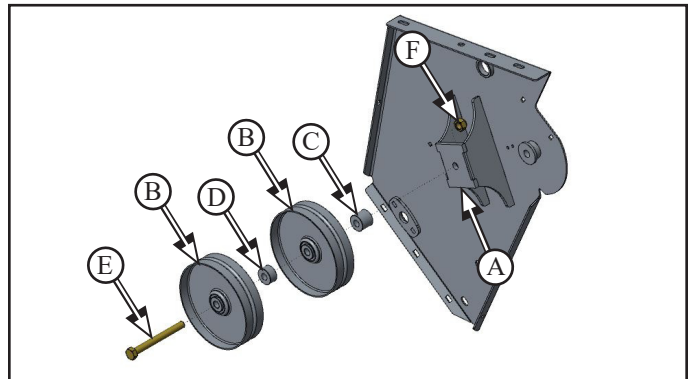
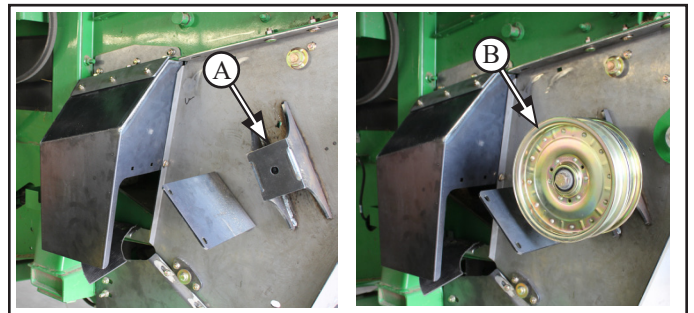
3.7 Idler Installation - 50 /60 Series Only

Parts List:

RP965	Pulley Flat 8.0Fd 2.0Fw .625ID (B)	Qty 2
CH297Z	Spacer .656ID x 1.5OD x 1.25L (C)	Qty 1
CH146Z	Spacer .656ID x 1.5OD x .78L (D)	Qty 1
M16 x 150 hex bolt (E)		Qty 1
M16 lock nut (F)		Qty 1



3.7.1 Install idlers (B-F) onto chopper side wall mount (A) as shown



3.8.1 Speed Sensor and Drive Sheave STS 50-60 Series Installation

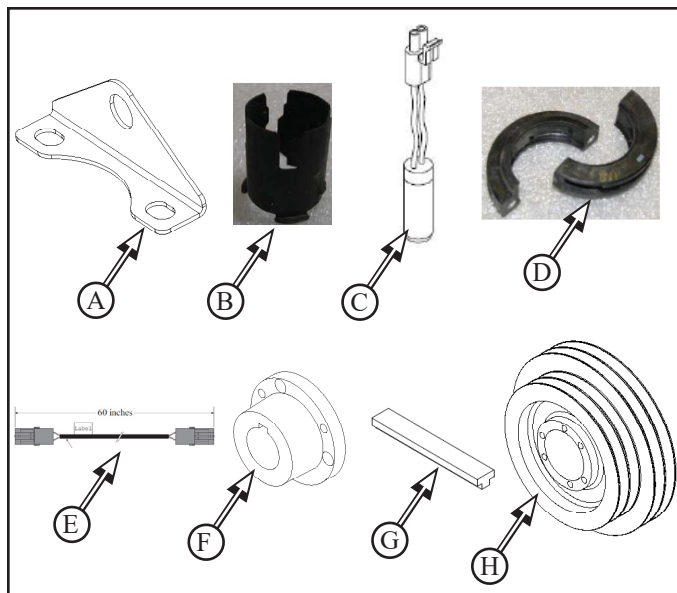
Parts List:

CD613G	Bracket Speed Sensor Mnt STS (A)	Qty 1
H160880	Collar Sensor Mount JD STS (B)	Qty 1
AH116104	Speed Sensor STS (C)	Qty 1
AH161839	Magnet Spd Sensor JD STS (D)	Qty 1
RP137	Harness 2W x 5Ft 2 Pin Packard (E)	Qty 1
RP914	Bushing Taper SK 48mm id (F)	Qty 1
CD502-01	Key Step 14mm x .25" x 3.5"L (G)	Qty 1
RP966	Sheave Chopper STS 2B/2B SK (H)	Qty 1

For 9860

CUSTOMER TO ORDER FROM JOHN DEERE:

AH226009 Pulley



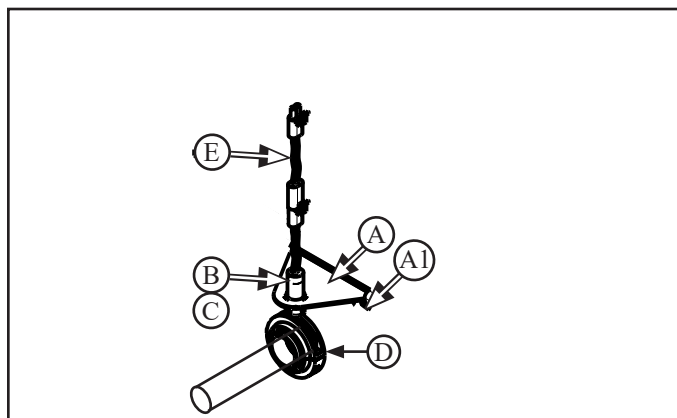
3.8.1.1 Install speed sensor mount bracket (A) onto bearing mount bolts above chopper shaft, with:

- M12 jam nuts (A1) x2

3.8.1.2 Attach sensor mount collar (B) and speed sensor (C) to mount bracket (A)

3.8.1.3 Attach magnetic speed sensor target (D) to chopper shaft in line with sensor

3.8.1.4 Attach harness extension (E) to speed sensor and connect to main harness



3.8.1.5 Install bushing (F), key (G) and drive sheave (H) to chopper shaft

Ensure chopper sheave is aligned with the Deere sheave for smooth belt operation

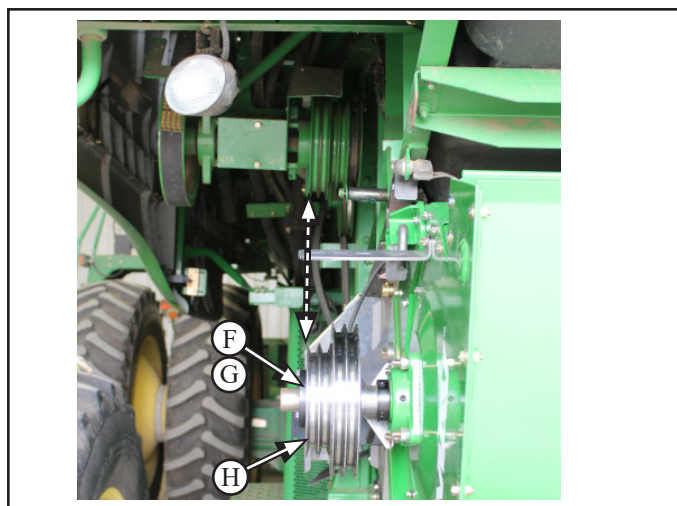


9860 Requires John Deere Pulley AH226009

3.8.1.6 Align drive sheaves for smooth belt operation
- Align the chopper driven sheave (H) to combine drive sheave with laser alignment tool

Note: Laser Alignment Kit can be purchased from Redekop if required. Part # RP956

- Alignment can be corrected by moving the Chopper Sheave



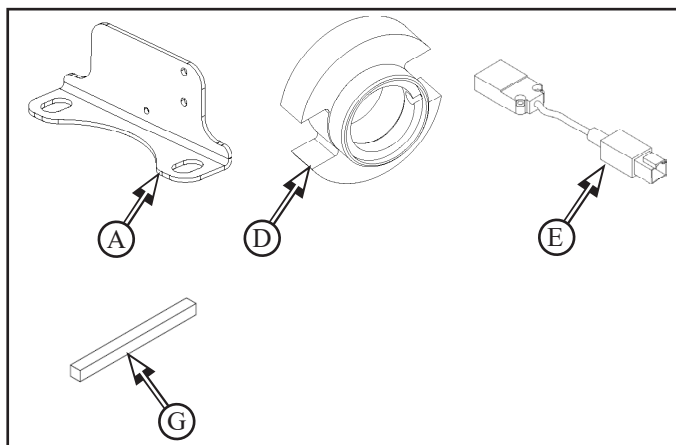
3.8.2 Speed Sensor and Drive Sheave STS 70 Series Installation

Parts List:

CD458G	Mount Plate Spd Sensor 70S (A)	Qty 1
CD459G	Target Speed Sensor STS 70S (D)	Qty 1
AH221249	Sensor Speed 70S STS (E)	Qty 1
CD551-01	Key Sq .25" x 2"L (G)	Qty 1

CUSTOMER TO ORDER FROM JOHN DEERE:

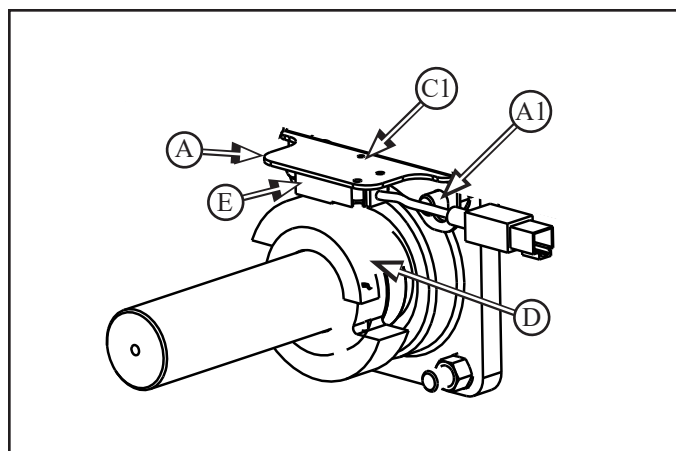
Chopper Drive Sheave - as per JD Parts Manual



3.8.2.1 Install speed sensor mount bracket (A) onto bearing mount bolts above chopper shaft, with:
- M12 jam nuts (A1) x2

3.8.2.2 Install sensor (C) to mount bracket (A) with:
- #10-32x1 screws and locknut (C1) x2

3.8.2.3 Attach magnetic speed sensor target (D) to chopper shaft in line with sensor



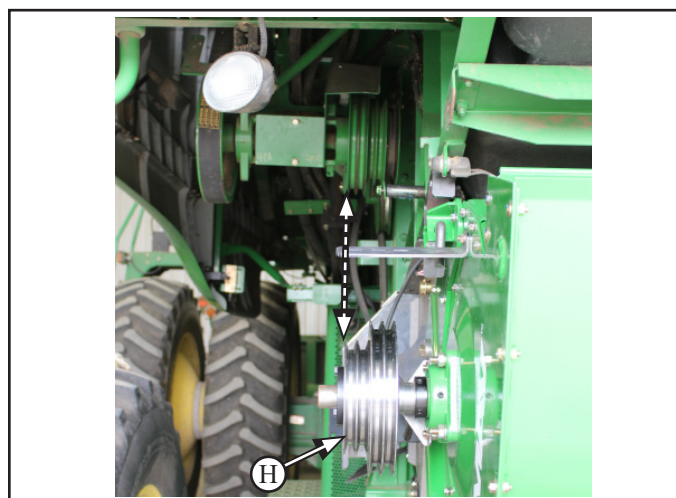
3.8.2.5 ReInstall JD sheave/bushing and key to chopper shaft

Ensure chopper sheave is aligned with the Deere sheave for smooth belt operation

3.8.2.6 Align drive sheaves for smooth belt operation
- Align the chopper driven sheave (H) to combine drive sheave with laser alignment tool

Note: Laser Alignment Kit can be purchased from Redekop if required. Part # RP956

- Alignment can be corrected by moving the chopper sheave



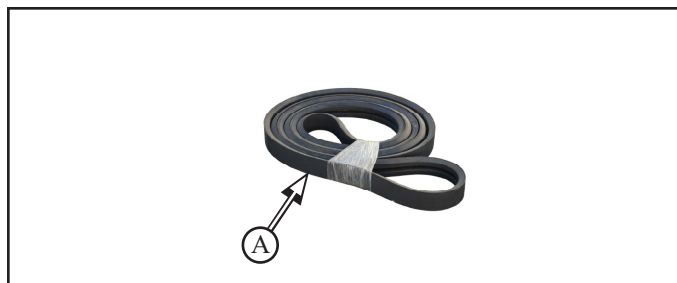
3.9 Drive Belt Installation

Parts List:

BE2B142K -

2B 142K V Belt (A)

Qty 1



3.9.1 Install drive belt 2B 142K (A) onto 50/60 Series combine drive sheave, tensioners and chopper sheave as shown

* If belt for the combine was different then H235564, use the belt purchased from John Deere.

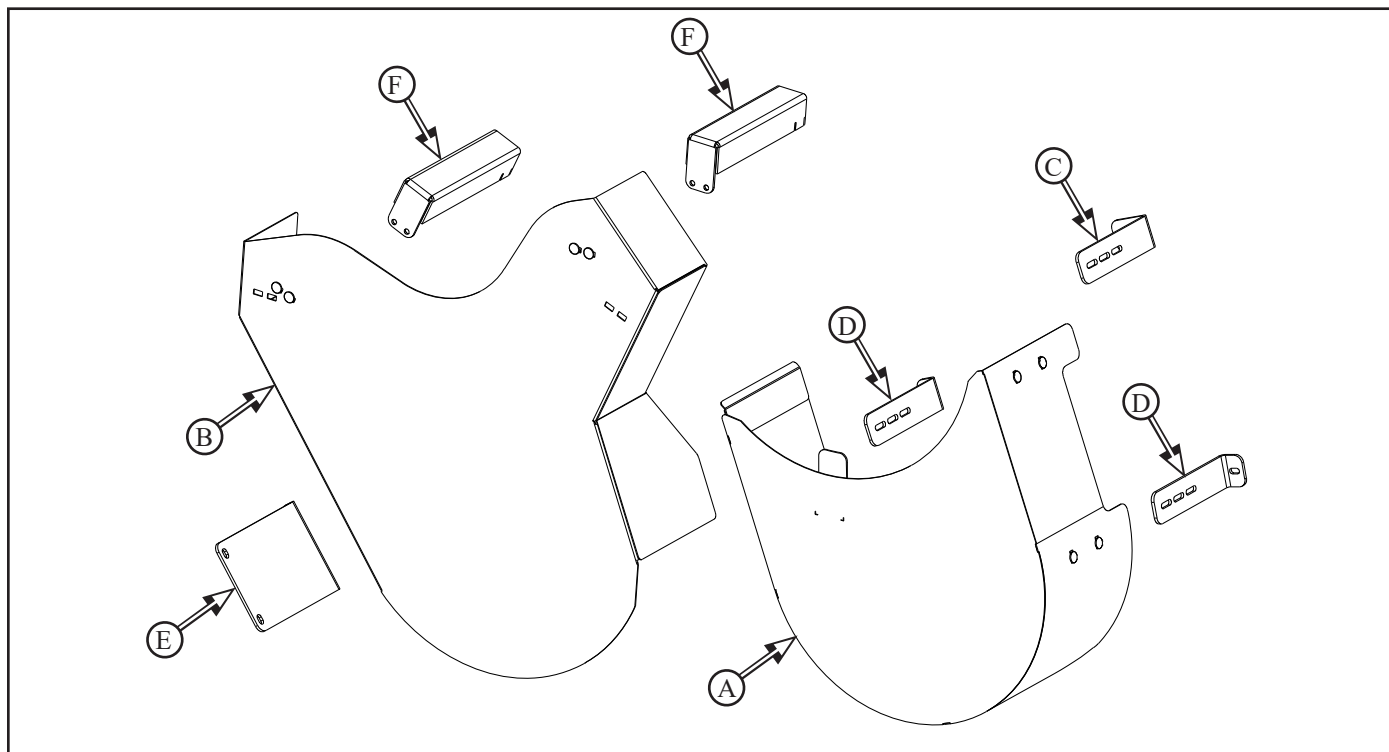


3.10 Chopper Drive Shield Installation

Parts located on CD584GS and in CD570GS box

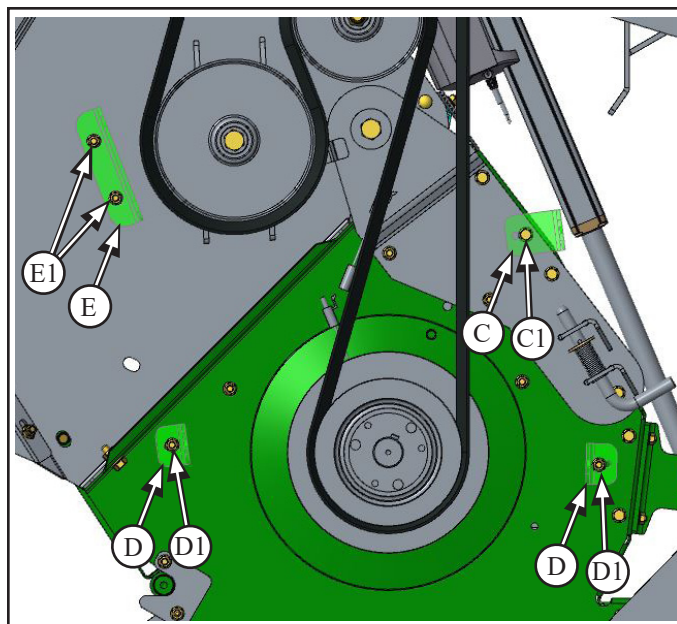
Parts List:

CD586GA	STS Lower Drive Shield (A)	Qty 1	CD587GA	STS Upper Drive Shield (B)	Qty 1
CD711G	Bracket Drive Shield 8L x 2.82 (C)	Qty 1	CG138-01G	Bracket Drive Shield 8L x 1.5 (D)	Qty 2
CD590G	Lower Drive Shield Mount (E)	Qty 1	CD609G	Bracket Shield Mount (F)	Qty 2

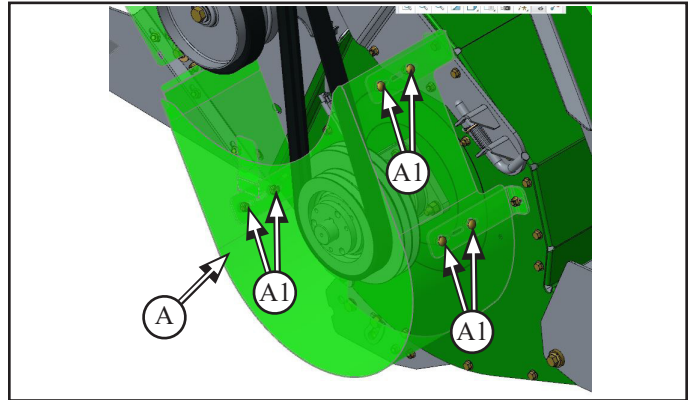


3.10.1 Install shield mount brackets (C), (D) and (E) to the chopper, with:

- M8 x 25 flange bolt and flange nut (C1)
- M8 x 20 round head bolt and flange nut (D1) x2
- M8 x 16 round head bolt and flange nut (E1) x 2

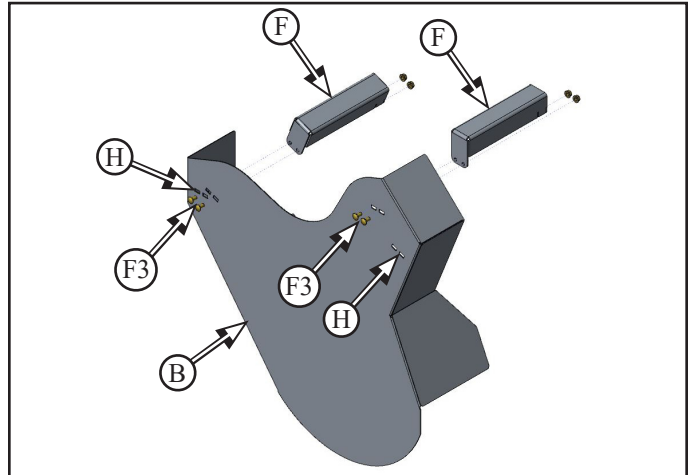


3.10.2 Install lower drive shield (**A**) to the mount brackets (**C,D**) with:
 - M8 x 16 round head bolt and flange nut (**A1**) x 6



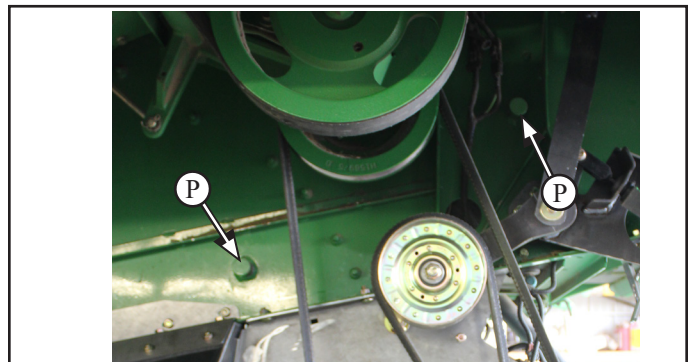
3.10.3 Attach shield mount brackets (**F**) x2 to upper drive shield (**B**) with:
 - M8 x 16 round head bolt and flange nut (**F1**) x 4

Note: 70 Series - attach brackets (**F**) to holes (**H**)



3.10.4 Install upper drive shield assembly (**B**) by hanging it onto the combine mount pins (**P**)

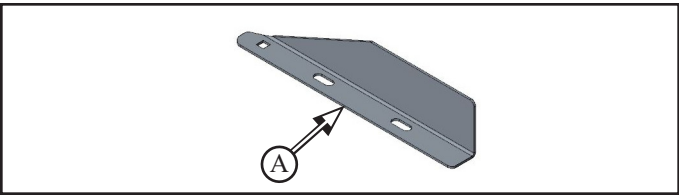
3.10.5 Secure the shield to the lower mount bracket (**E**) with:
 - M8 x 16 flange bolt and flange nut (**E3**) x 2



3.11 Beater Deflector Fin Installation

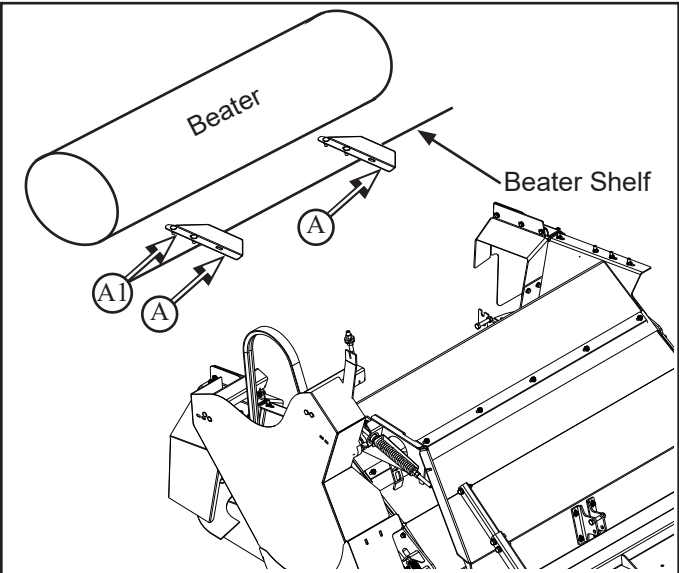
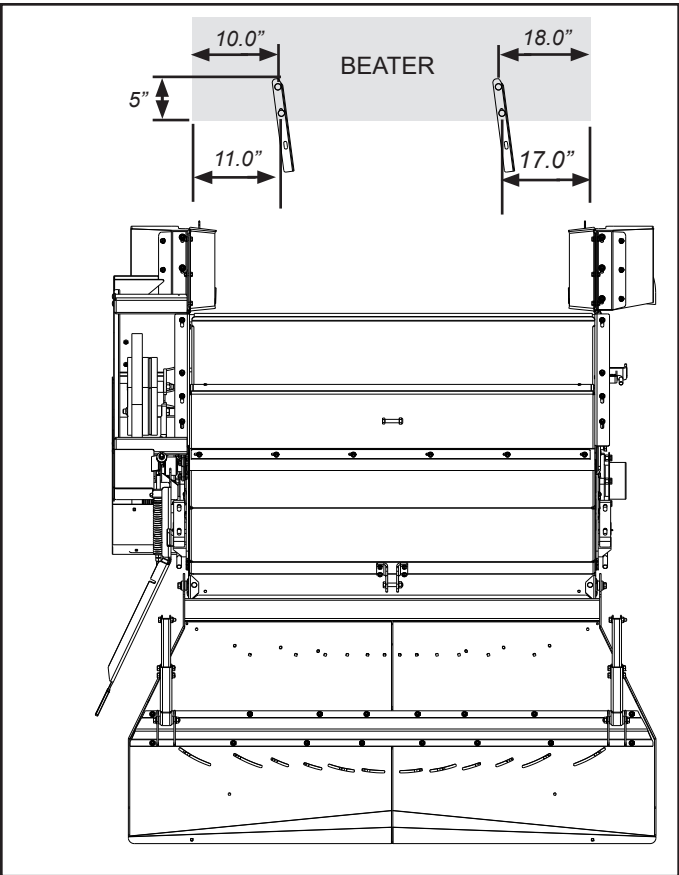
Parts List:

CD114G	STS Beater Fin (A)	Qty 2
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3.11.1 Install deflector fins (A) for better distribution of residue across the width of the chopper. Place behind the beater and on top of the beater shelf.

Drill four 7/16" dia. holes into beater shelf and bolt in place, with:
- M10 x 20 round head bolt and flange nut (A1) x4





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)	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)



CAUTION

Wear Hearing Protection during operation



CAUTION

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.

Notes:

REDEKOP MANUFACTURING

1.866.REDEKOP (1.866.733.3567)

Saskatoon, Saskatchewan Canada S7K 3J7

info@redekopmfg.com

www.redekopmfg.com

For additional and the most up to date Manuals:



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