

REDEKOP™

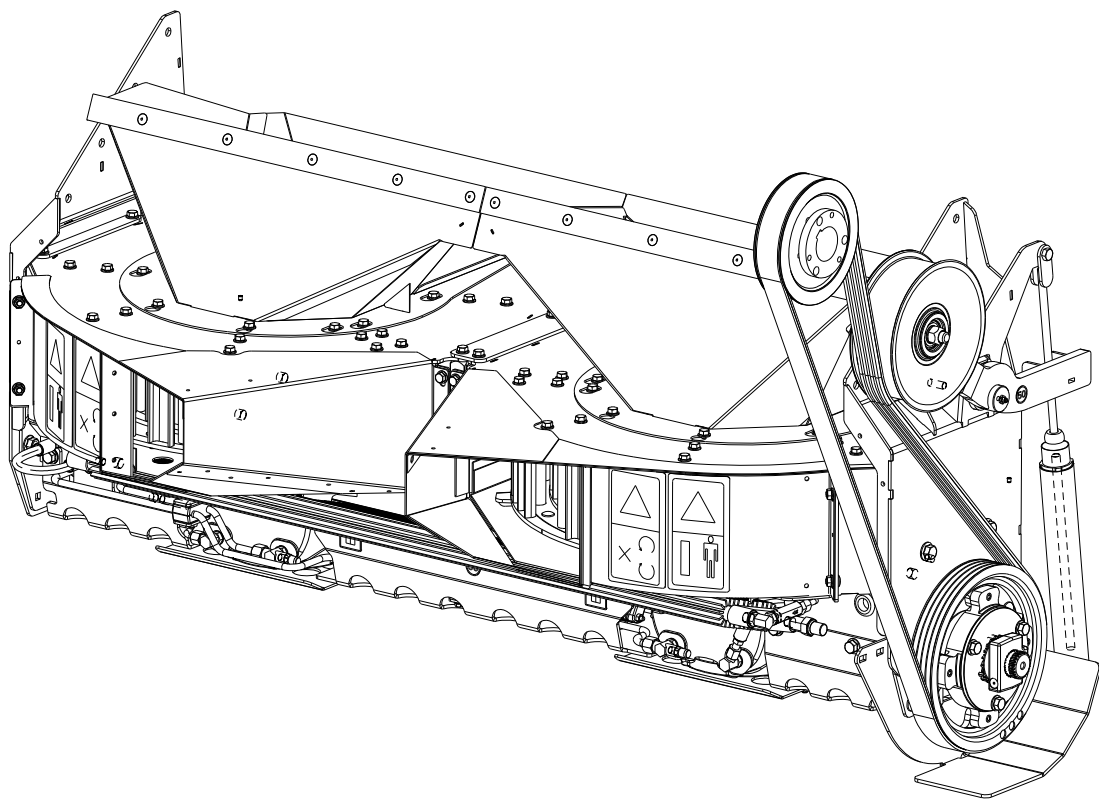
SEED CONTROL UNIT CASE IH

WITH REDEKOP MAV CHOPPER

INSTALLATION MANUAL

PRODUCT NUMBER: 850-210H

SC073-01_R3



Seed Control Unit

Case IH with Redekop MAV Chopper Installation Manual

Table of Contents

	<u>Section</u>
0 Safety	
Safety Instructions	0.1
Safety Decals	0.21
Information Decals	0.22
Serial Number	0.23
1 Straw Chopper Modifications for SCU	
Chaff Door Installation	1.1
Sieve Extension Modificaton - on previously installed chopper without SCU	1.2
Sieve Extension Modificaton - on new chopper installation with SCU	1.3
Tailborad Fin Modification	1.4
2 Seed Control Unit Installation	
Discharge Outlet Installation	2.1
Seed Control Unit Installation	2.2
Vent Seal Installation	2.3
Chaff Deflector Hood Installation	2.4
Straw Divider Panel Installation	2.5
Speed Sensor Target Installation	2.6
Drive Sheave Installation	2.7
Drive Belt Installation	2.8
Shield Installation	2.9
Chaff Door Proximity Sensor Installation	2.10
Door Position Decal Installation	2.11
3 Electronics	
ECU Installation	3.1
ECU Power/Cab Harness Installation	3.2
Tablet	3.3
ISOBUS	3.4
Cab Bulkhead Completion	3.5
Chopper / SCU Harness Installation	3.6
4 Software Codes	
SCU & Tailboard Codes	4.1

0 Safety

0.1 Instructions

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

This instruction manual explains the proper procedure for installation of the Redekop Seed Control Unit. Do not skip steps or perform them out of order.



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 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.

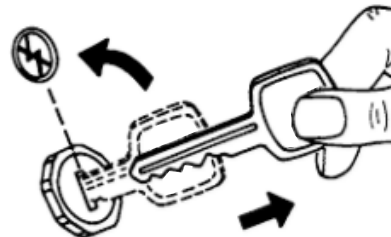


0.7 Remove Key from Ignition

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 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.

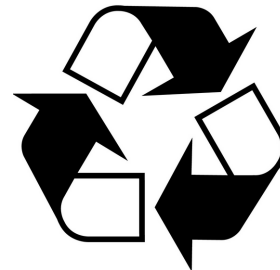


0.13 Dispose of Waste Properly

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.

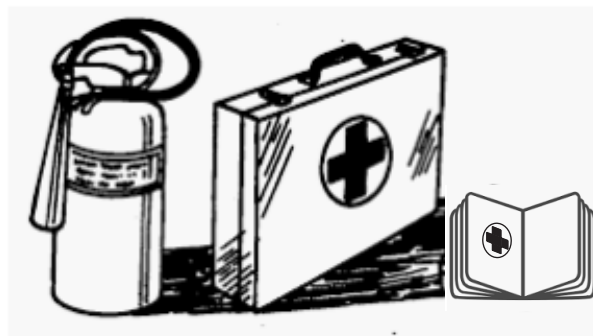


0.17 Prepare for Emergencies

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.



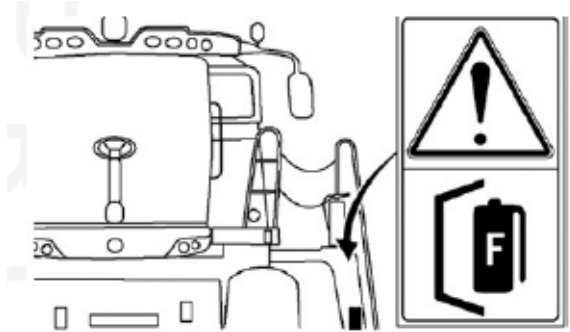
0.18 Fire Extinguisher

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 with 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.



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.



0.22 Information Decals

Redekop Seed Control Unit Serial Number Plate



Grease Every 12 Hours
RP1091



Grease Every 50 Hours
RP1092

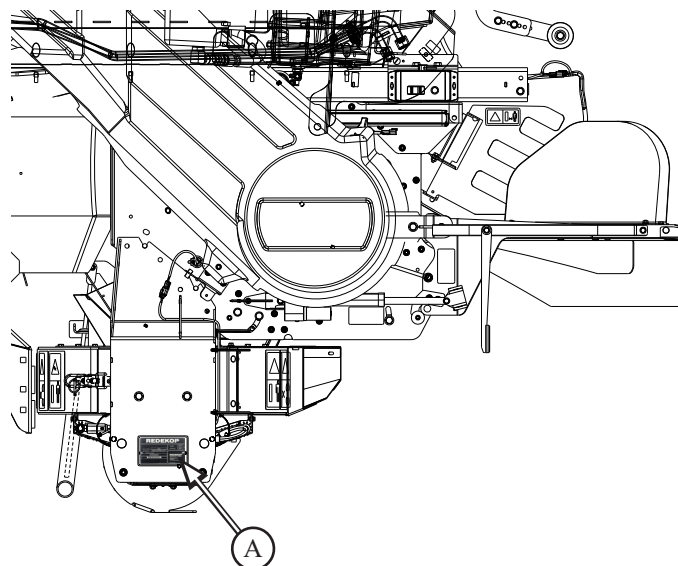


Oil - use SAE 75W90 GL5 Synthetic
RP1093



0.23 Serial Number

1. Redekop Seed Control Unit serial number (A):
- located on the Seed Control Unit frame, non-drive side



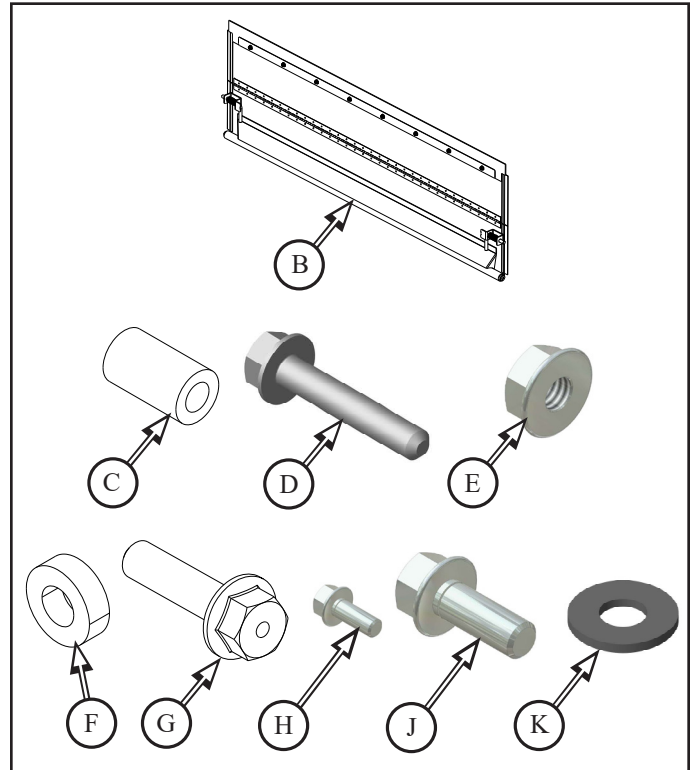
1 Straw Chopper Modifications for SCU

If the Straw Chopper has previously been installed without an SCU or this is a new installation with a SCU, the following modifications will have to be completed to accommodate the SCU.

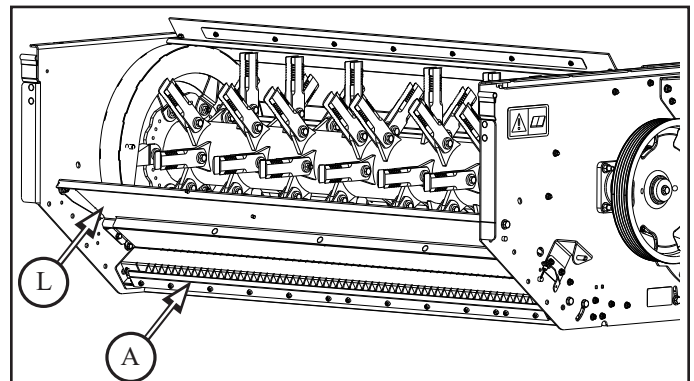
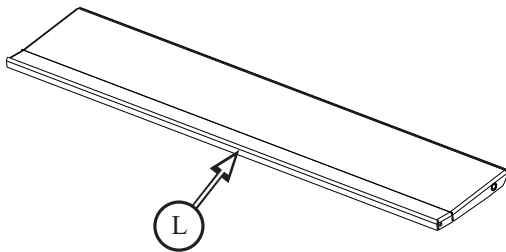
1.1 Chaff Door Installation

Parts List:

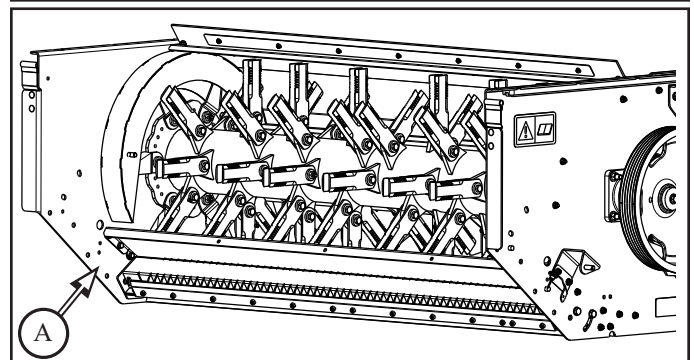
CS1146BA	Chaff Door Assembly (B)	Qty 1
CA413Z	Tube Latch Spacer (C)	Qty 2
B21M-0845	Bolt M8x45 (D)	Qty 2
N42M-08	Flange Nut M8 (E)	Qty 2
CH689Z	Spacer (F)	Qty 2
CD749	Bolt M12x40 with internal thread (G)	Qty 1
B12M-0616	Bolt M6x16 (H)	Qty 1
B21M-1240	Bolt M12x40 (J)	Qty 1
W12M-12	Flat Washer (K)	Qty 2



1.1.1 Remove front floor extension (L) from chopper (A)
- floor and hardware not to be reused

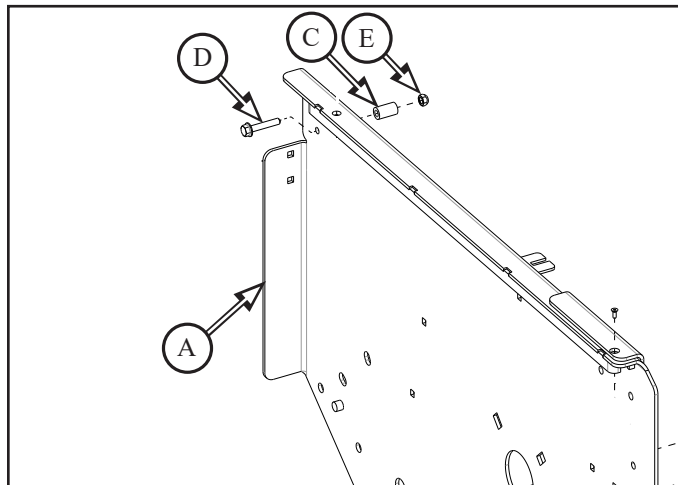


1.1.1.1 View with front floor extension (L) removed from chopper (A)



1.1.2 Install chaff door latch tube spacer (**C**) to inside of chopper wall, with:

- M8 x 45 flange head bolt (**D**)
- M8 flange nut (**E**)
- repeat for other side

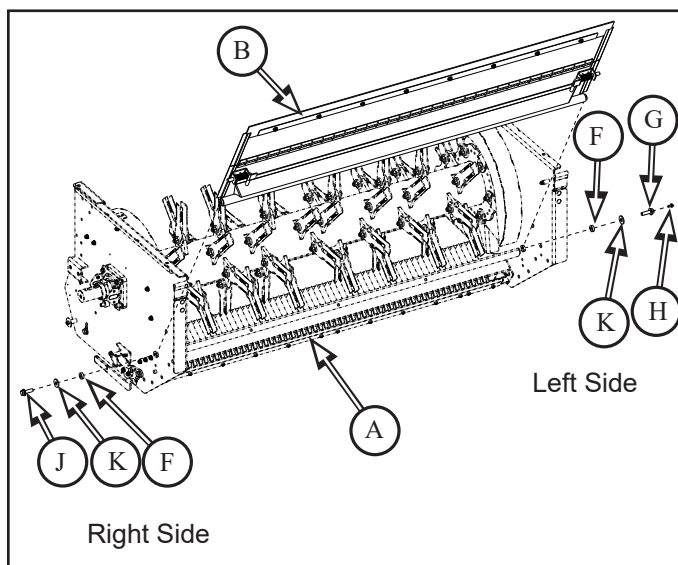


1.1.3 Install chaff door assembly (B), with:
right side:

- M12 x 40 flange head bolt (**J**) threaded into door
- flat washer (**K**)
- spacer (**F**)

left side:

- M12 x 40 flange head bolt (**G**) threaded into door
- M6 x 16 flange head bolt (**H**) threaded into (**G**)
- flat washer (**K**)
- spacer (**F**)

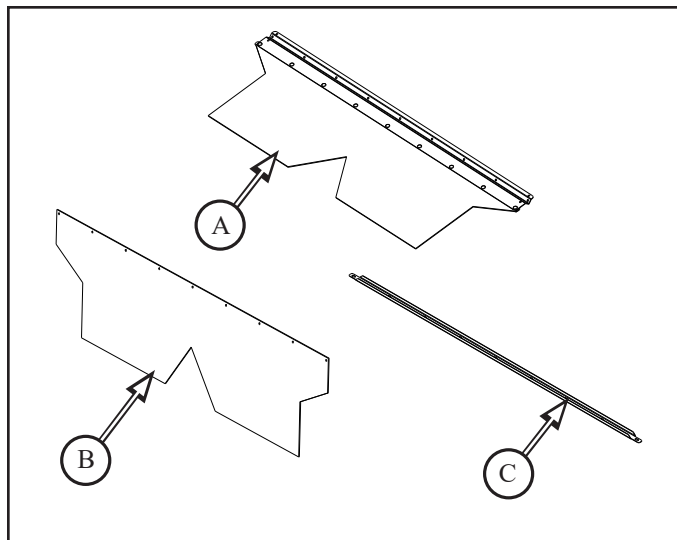


1.2 Sieve Extension Modification - on previously installed MAV chopper without SCU

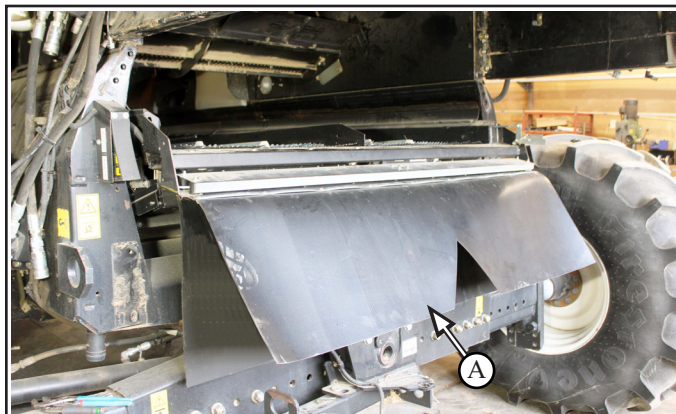
If the Straw Chopper has previously been installed without an SCU, the following sieve extension modification will have to be completed to accommodate the SCU.

Parts List:

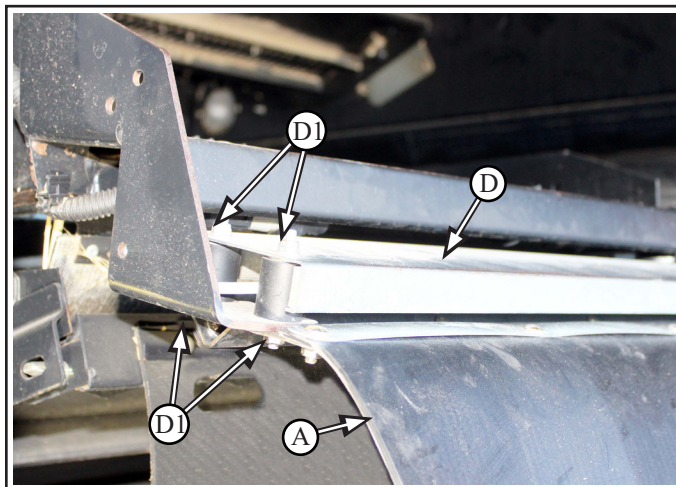
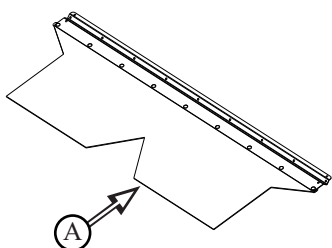
CS1095BA Sieve Extension Assembly AFX (A)	
- installed on combine	
CS1118-01 Sieve Extension Belting (B)	Qty 1
CS1113B Sieve Extension Strap (C)	Qty
1H739-01 Sieve Extension Belting (C)	Qty



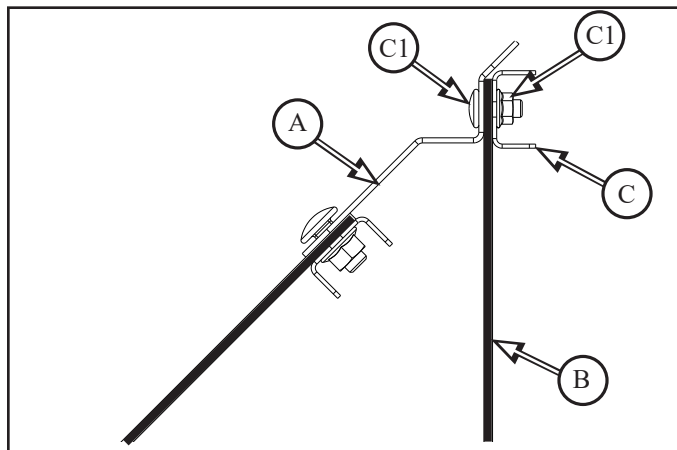
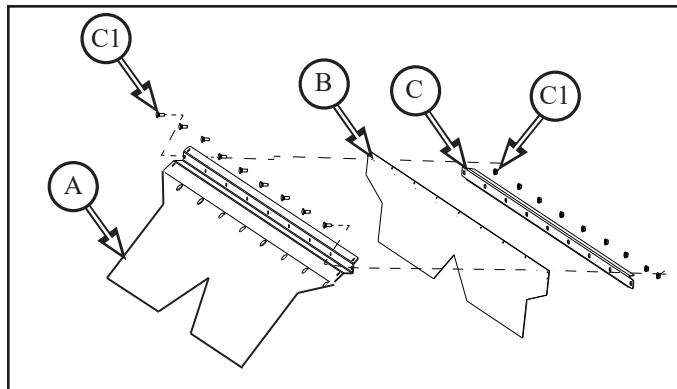
1.2.1 Remove sieve extension (A) from combine



1.2.2 Remove sieve extension assembly (A) from the bottom of grain loss monitor (D) removing existing hardware (D1) both sides



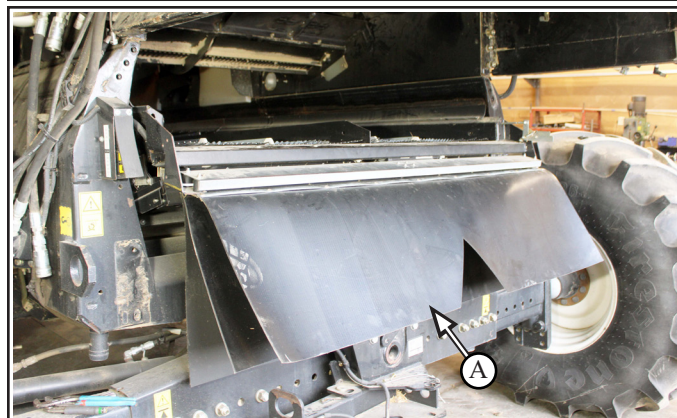
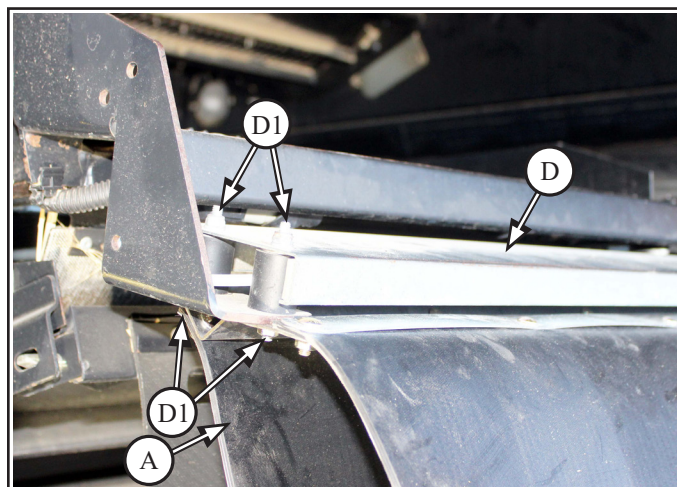
1.2.3 Install sieve extension belting (**B**) and strap (**C**) to backside of sieve extension (**A**), with:
 - M6 x 16 round head bolt and nut (**C1**) x9



1.2.4 Reinstall sieve extension assembly (**A**) to the bottom of grain loss monitor (**D**), with:
 - reuse existing hardware (**D1**) x4
 ** Do Not use an impact to tighten these, for they strip easily **



Do not pinch grain loss sensor wire when installing sieve extension!



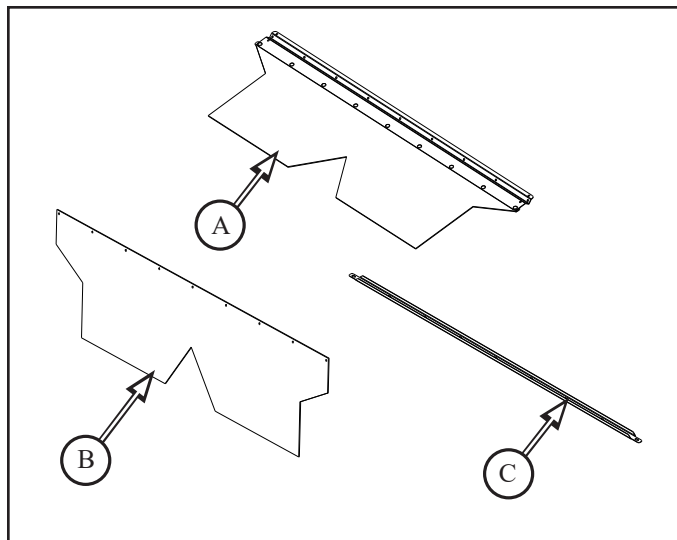
1.2.5 Installed sieve extension (**A**)

1.3 Sieve Extension Modification - on new MAV chopper installation with SCU

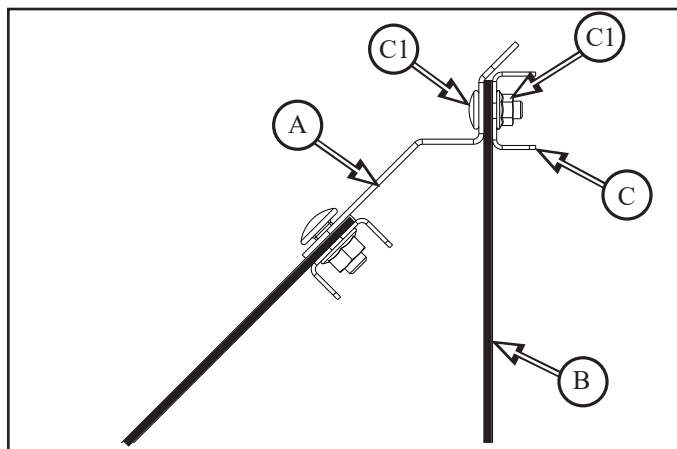
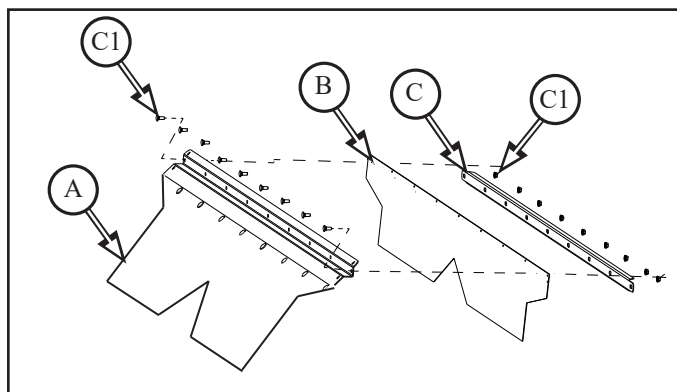
If this is a new Straw Chopper installation with a SCU, the following sieve extension modification will have to be completed to accommodate the SCU.

Parts List:

CS1095BA Sieve Extension Assembly AFX (**A**)
- included with MAV chopper shipping components
CS1118-01 Sieve Extension Belting (**B**) Qty 1
CS1113B Sieve Extension Strap (**C**) Qty 1



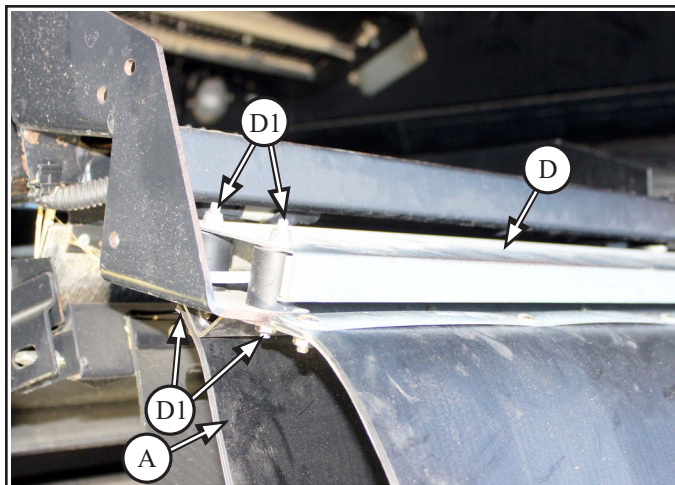
1.3.1 Install sieve extension belting (**B**) and strap (**C**) to backside of sieve extension (**A**), with:
- M6 x 16 round head bolt and nut (**C1**) x9



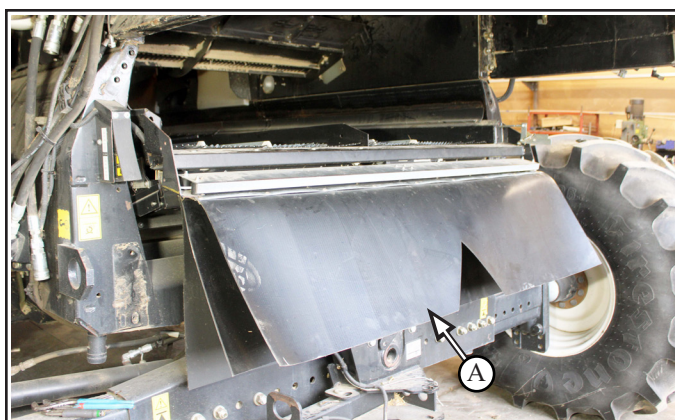
1.3.2 Install sieve extension assembly (**A**) to the bottom of grain loss monitor (**D**), with:
- reuse existing hardware (**D1**) x4
** Do Not use an impact to tighten these, for they strip easily **



Do not pinch grain loss sensor wire when installing sieve extension!



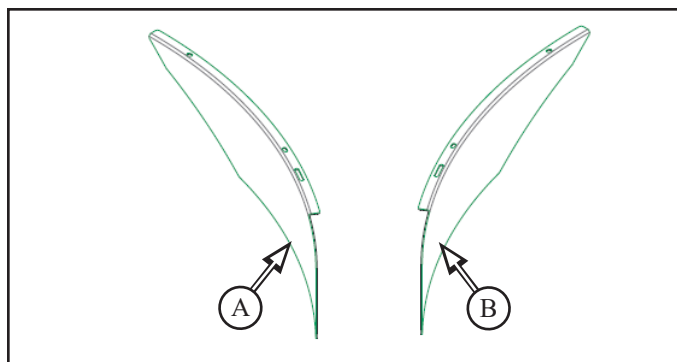
1.3.3 Installed sieve extension (**A**)



1.4 Tailboard Fin Modification

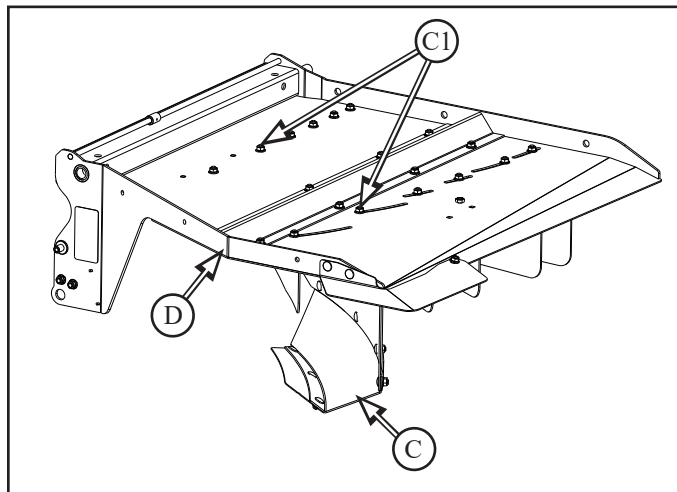
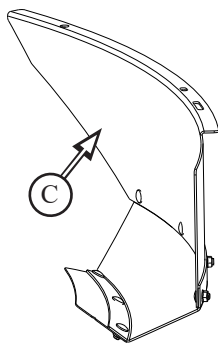
Parts List:

CG732GL	Fin Crv 40L SCU Lt (A)	Qty 1
CG732GR	Fin Crv 40L SCU Rt (B)	Qty 1



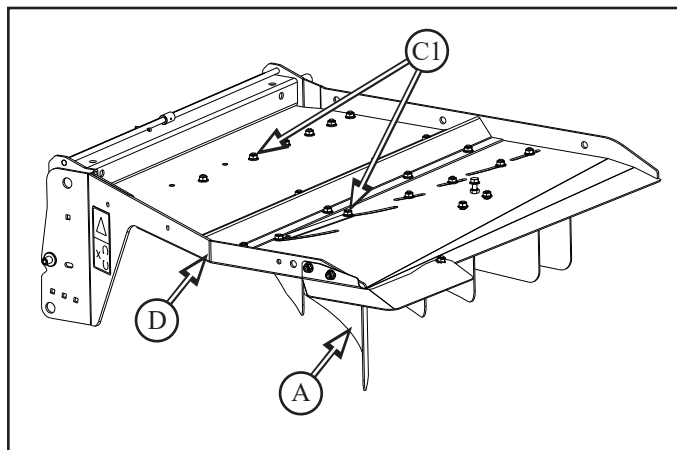
1.4.1 Remove existing wide spread scooped fin assembly (C) from tailboard (D)

- hardware (C1) to be reused for new fins
- discard existing fin assembly (C)
- both sides



1.4.2 Install new wide spread fin (A) to tailboard (D) at same location as fin (C) previously removed

- reuse hardware (C1) from fins
- both sides

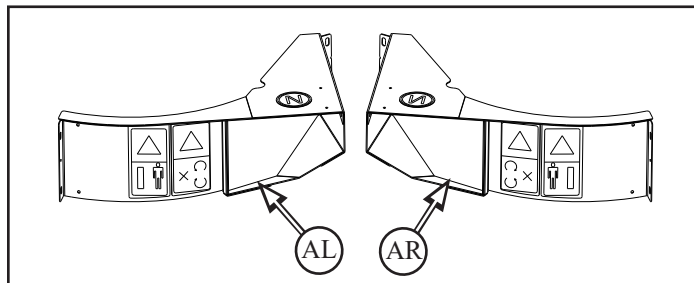


2 Seed Control Unit Installation

2.1 Discharge Outlet Installation

Parts List:

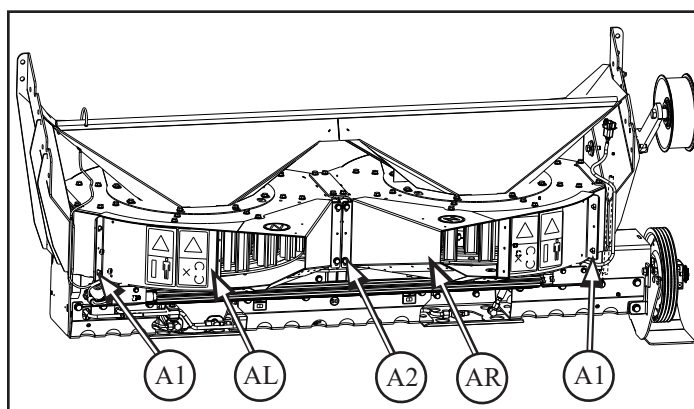
SC180BAL Discharge Outlet Vane TB - Left (**AL**) Qty 1
SC180BAR Discharge Outlet Vane TB - Right (**AR**) Qty 1



2.1.1 Install left discharge outlet (**AL**) to SCU housing with:

- M8 x 20 round head bolt and flange nut (**A1**) x2
- M8 x 20 flange head bolt (**A2**) x2

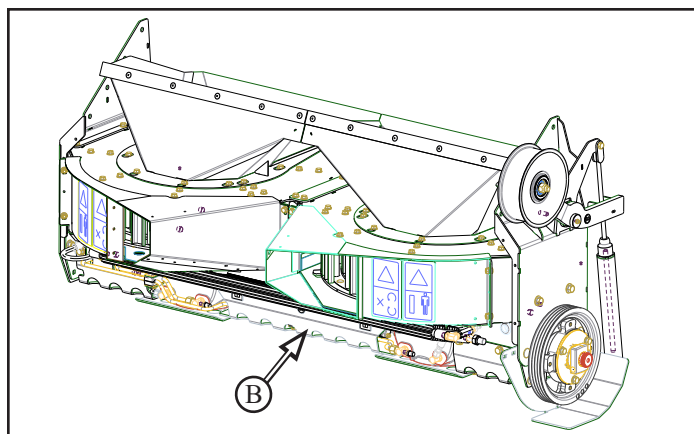
- repeat for other side



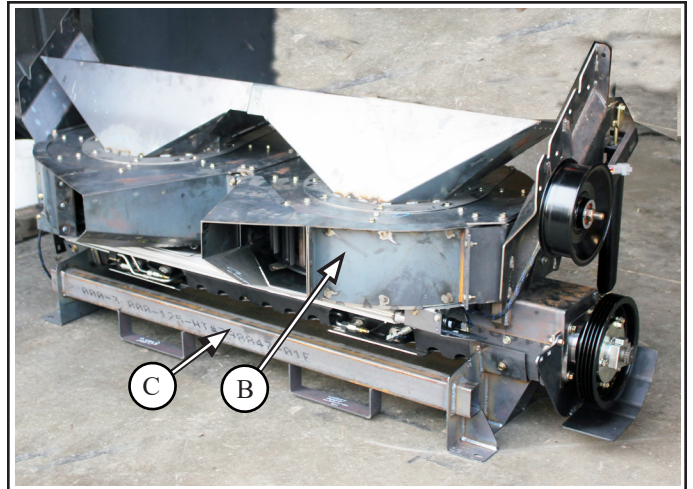
2.2 Seed Control Unit Installation

Parts List:

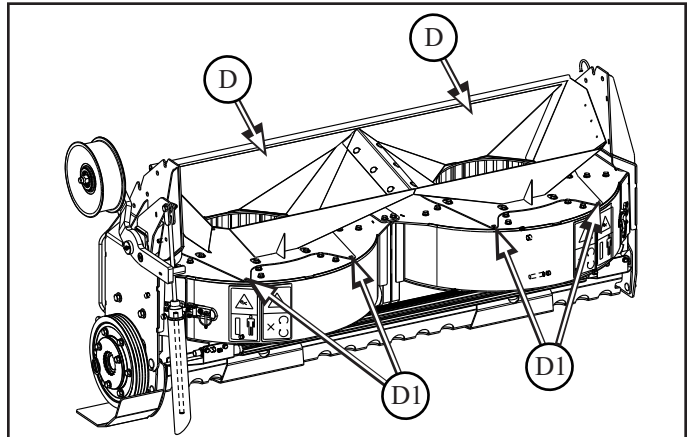
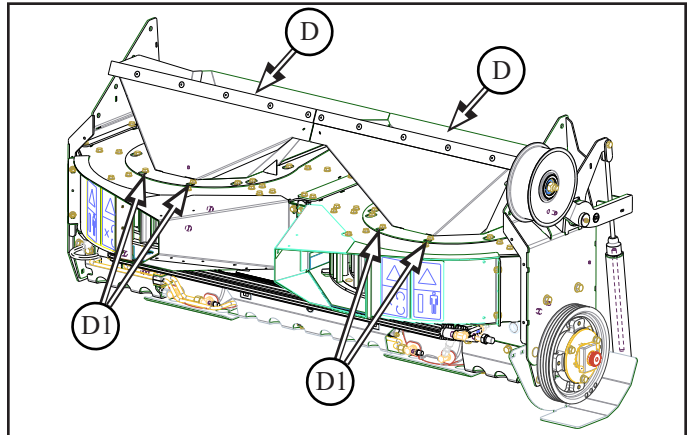
SC400BA Seed Control Unit Assembly AFX (**B**) Qty 1
SC416S Bag Hdw SCU Mount Qty 1



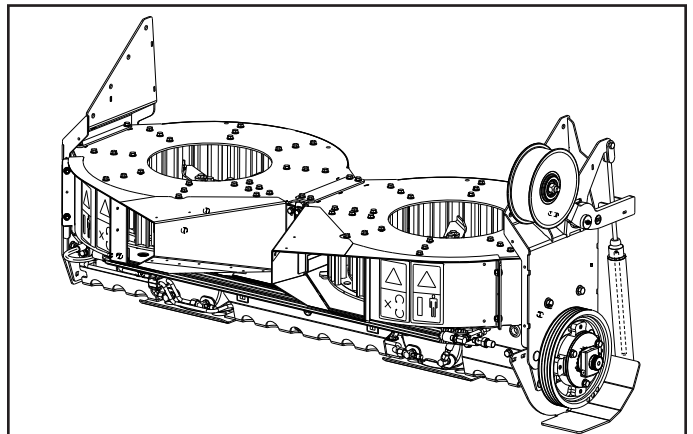
2.2.1 Keep Seed Control Unit (**B**) mounted to service frame (**C**) during installation



2.2.2 Remove hoppers (**D**) from top of Seed Control Unit
- remove front bolts x2 (**D1**) per hopper
- loosen rear bolts x2 (**D1**) per hopper

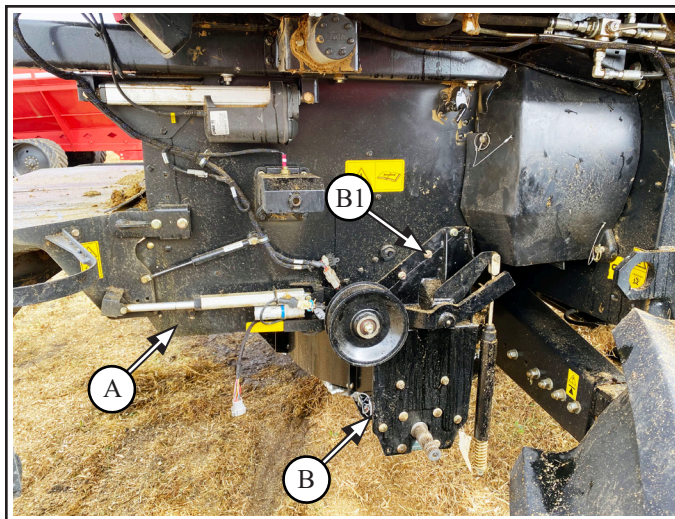


Hoppers removed



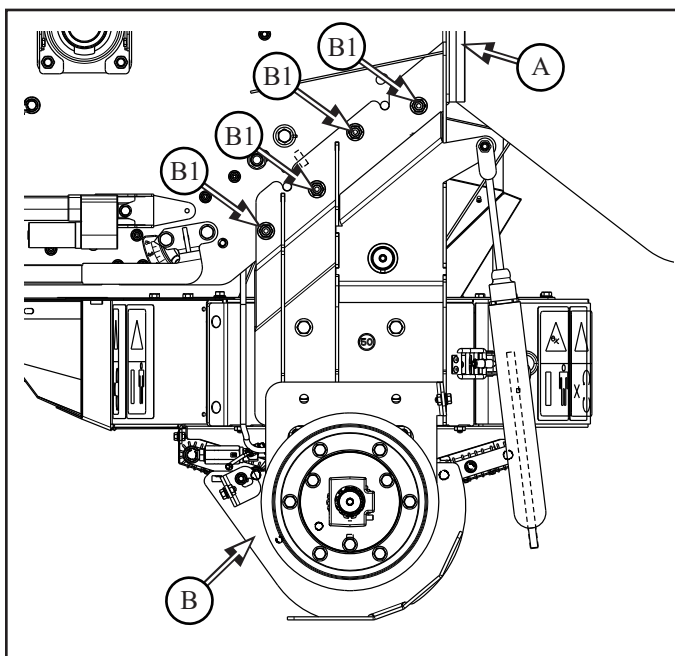
2.2.3 Lift Seed Control Unit (**B**) up and align with the mounting holes (**B1**) on front of chopper (**A**) and attach to chopper with:

- M12 x 25 flange bolt and flange nut (**B1**) x4 each side
- heads of bolts to be on inside

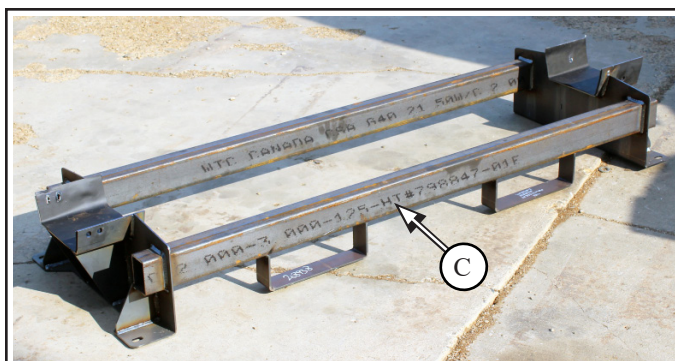


2.2.3.1 Attach to chopper with:

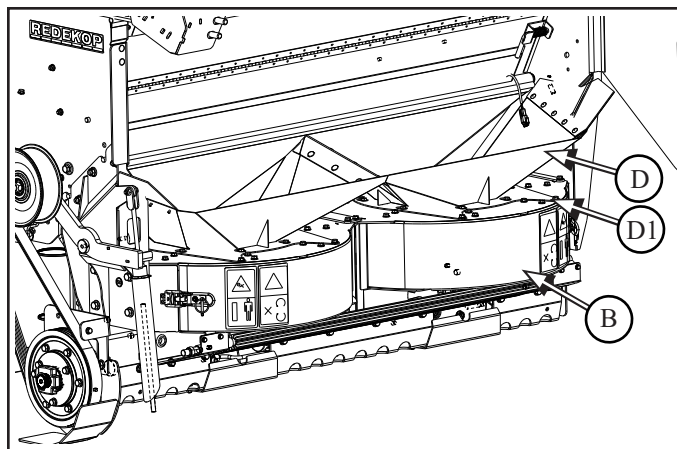
- M12 x 25 flange bolt and flange nut (**B1**) x4
- both sides



2.2.4 Remove service frame (**C**) from Seed Control Unit
- do not discard, this will be used for future service work on the SCU when removing from the combine



- 2.2.5** Reinstall hoppers (**D**) onto top of Seed Control Unit
 - reuse hardware (**D1**)

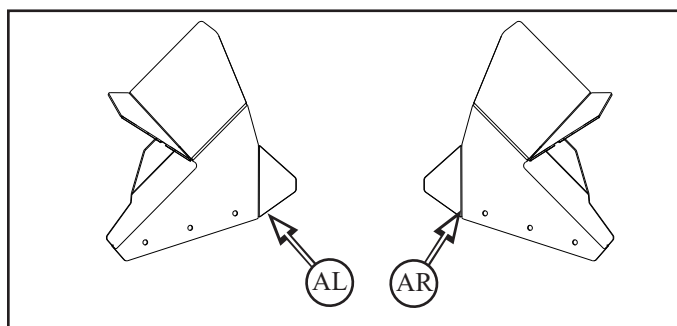


2.3 Vent Seal Installation

Parts List:

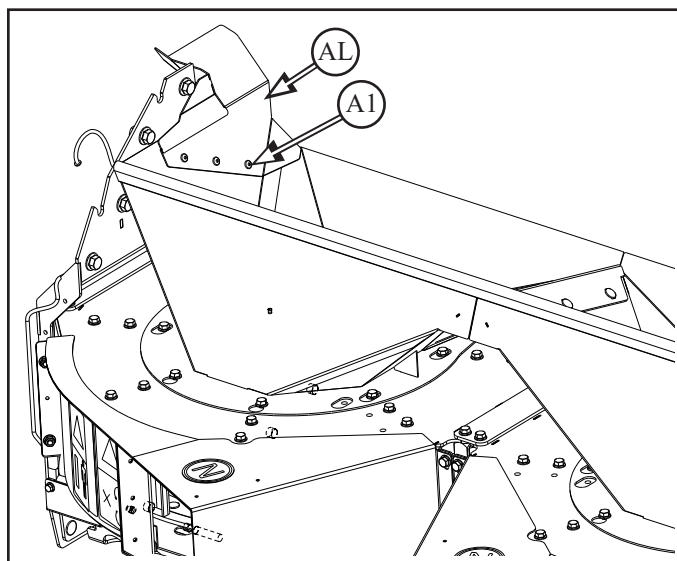
- SC696BL Vent Seal - Left (**AL**)
 SC696BR Vent Seal - Right (**AR**)

Qty 1
 Qty 1



- 2.3.1** Install left vent seal (**AL**) inside of left hopper, with:
 - M6 x 16 round head allen socket bolts and flange nuts (**A1**) x3
 - ensure head of bolt is on inside of hopper

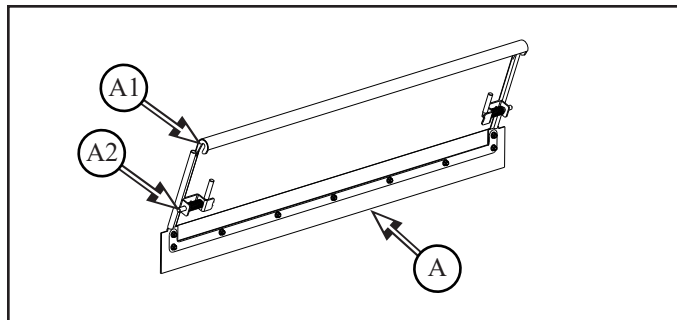
- 2.3.1.1** Repeat for right side



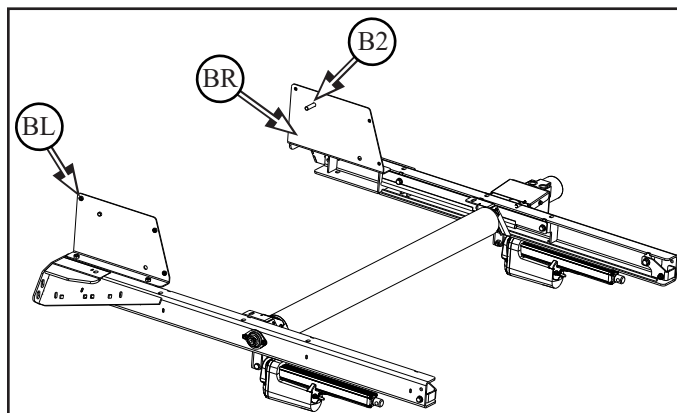
2.4 Chaff Deflector Hood Installation

Parts List:

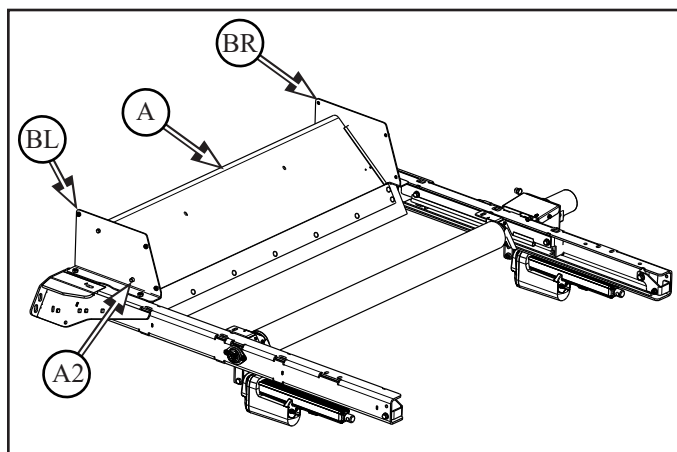
SC707BA Chaff Deflector Hood Assembly (A) Qty 1



2.4.2 Slide slotted tabs (A1) on chaff deflector hood (A) onto front skin support pins (B2)



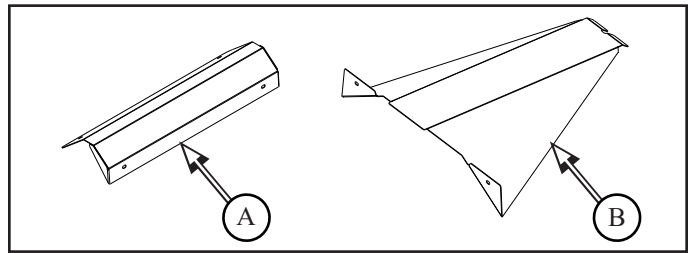
2.4.3 Engage chaff deflector hood pins (A2) into holes in front skin supports



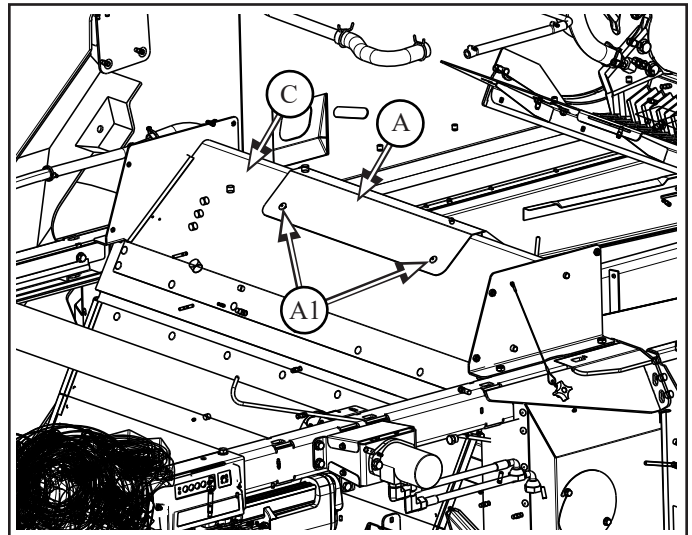
2.5 Straw Divider Panel Installation

Parts List:

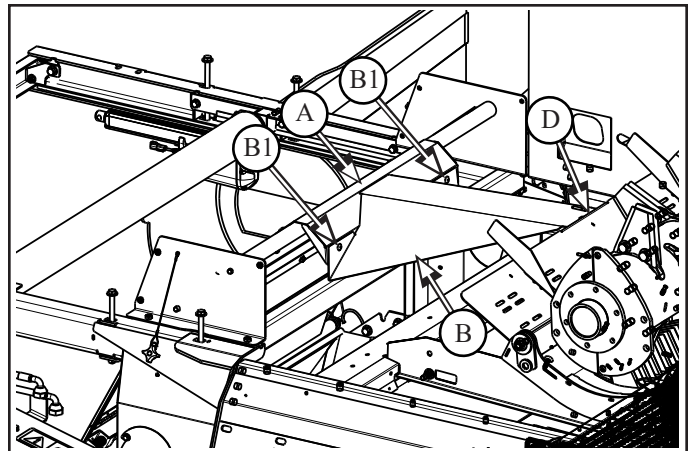
CS1185B	Straw Divider Adapter (A)	Qty 1
- CS1185S	Hardware Bag	
CS1145-01	Straw Divider Panel AFX (B)	Qty 1



- 2.5.1** Install straw divider adapter (A) to chaff deflector hood assembly (C), with:
- M8 x 16 round allen head bolt and flange nut (A1) x2



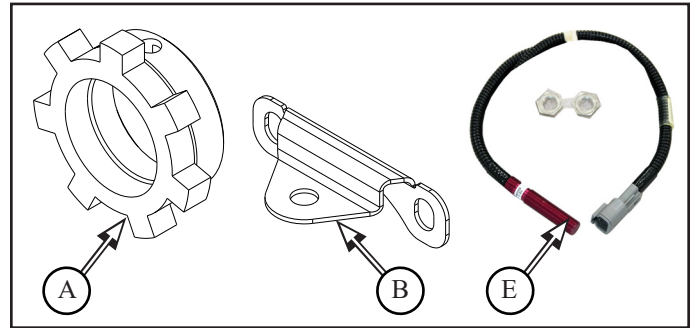
- 2.5.2** Install divider panel (B) to adapter (A) with:
- slide nose into slot of beater extension (D)
 - M8 x 16 round allen head bolt and flange nut (B1) x2



2.6 Speed Sensor Target Installation

Parts List:

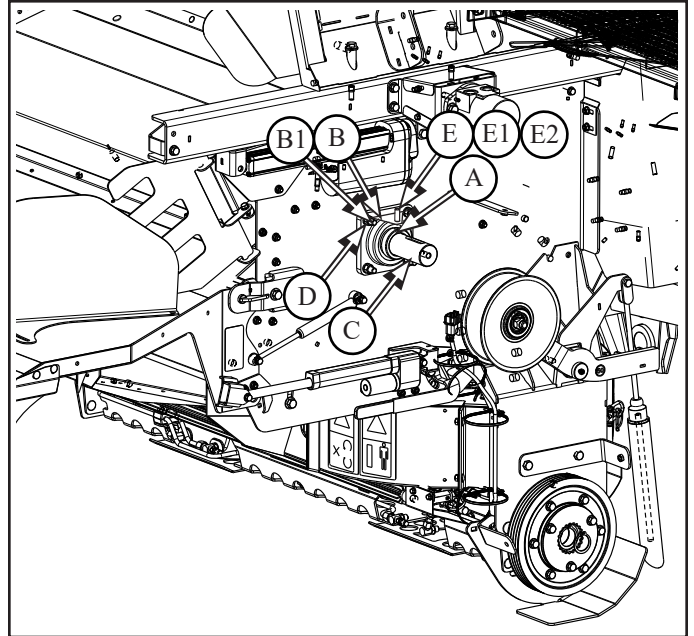
CS538B	Speed Sensor Target - 7 Lug (A)	Qty 1
CS893Z	Speed Sensor Mounting Bracket (B)	Qty 1
RP1124	Speed Sensor (E)	Qty 1



2.6.1 Install speed sensor target (A) onto chopper rotor shaft (C)

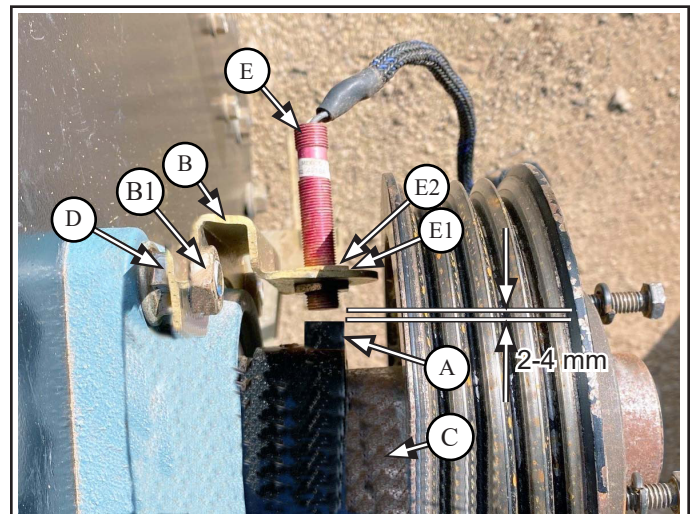
2.6.2 Install speed sensor mount bracket (B) onto bearing mounting bolts (D) with:
- M12 jamnut (B1) x2

2.6.3 Install speed sensor (E) into mount bracket (B), with:
- M12 flat washer (E1) x2, on both sides of plate
- Nut (E2) x2, one both sides of plate



2.6.3.1 Adjust sensor (E) to be 2-4 mm from target (A)

2.6.3.2 Connect sensor to harness

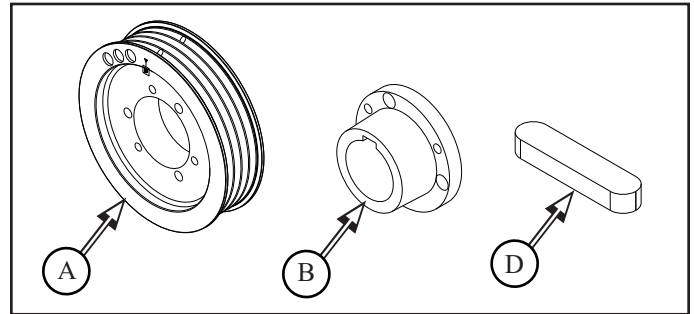


2.7 Drive Sheave Installation

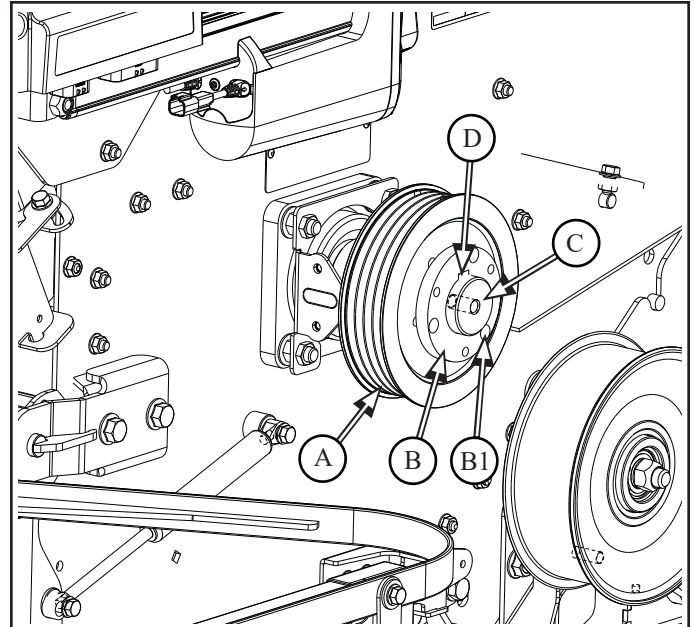
Parts List:

RP1149 Sheave 4 PVM 7od (A)
RP291 Bushing Taper SK 50mm (B)
3232624 Key 14 x 9 x 63mm (D)

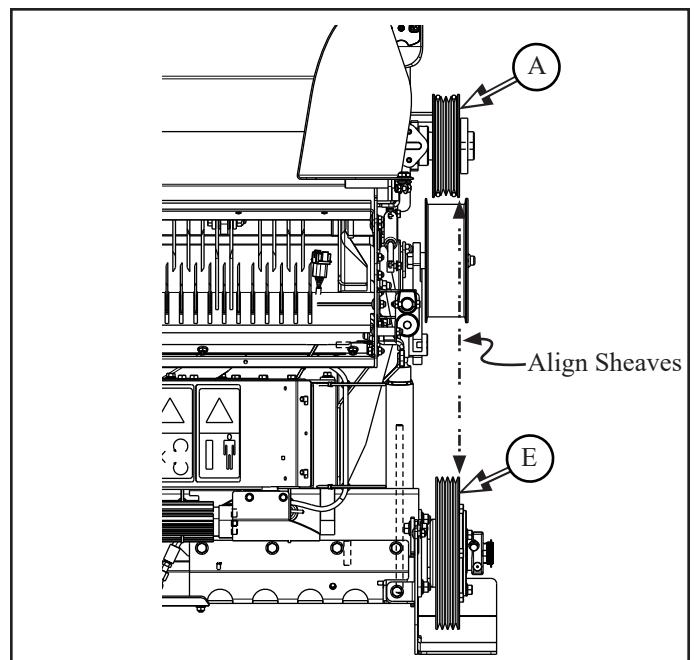
Qty 1
Qty 1
Qty 1



2.7.1 Install sheave (A) bushing (B) and key (D) onto chopper drive shaft (C), with:
- hardware with bushing (B1) x3



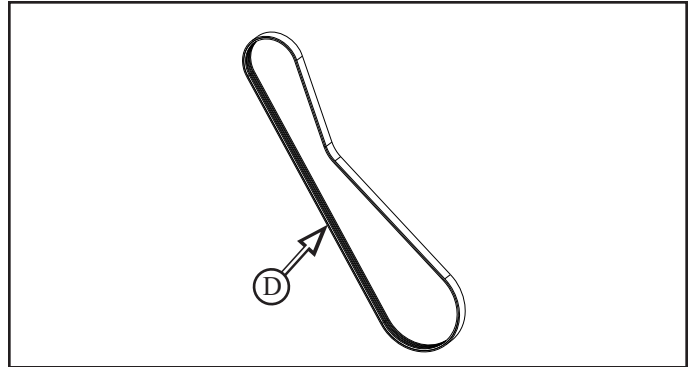
2.7.1.1 Ensure sheave (A) is aligned with sheave (E) on SCU



2.8 Drive Belt Installation

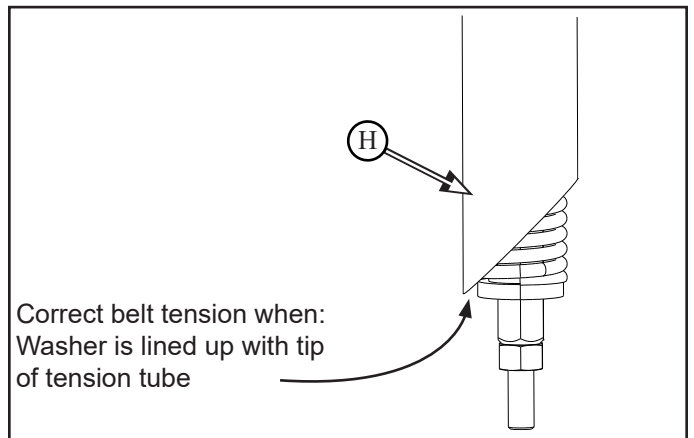
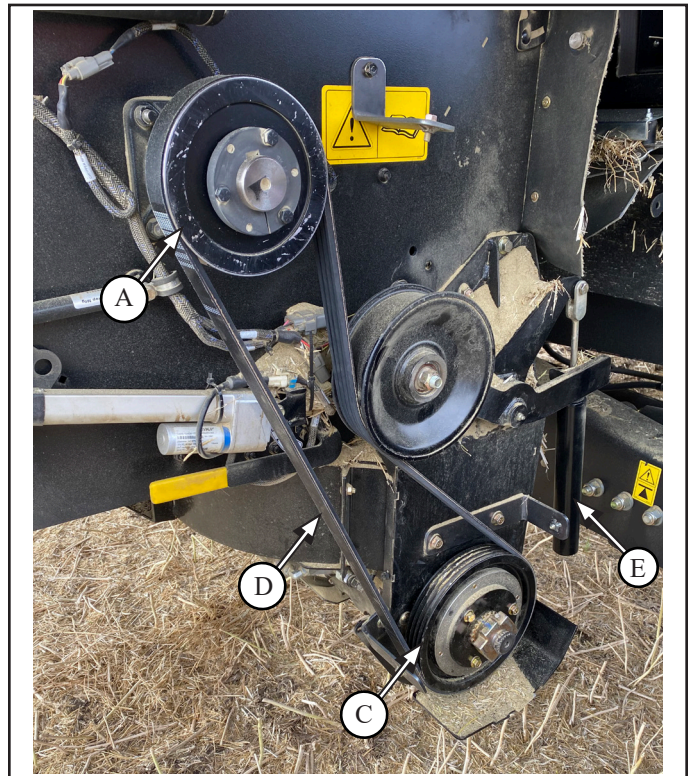
Parts List:

BE4M95K V Belt 4M 95L Kevlar (**D**) Qty 1



2.8.1 Install SCU drive belt (**D**) onto chopper and SCU sheaves (**A** & **C**)

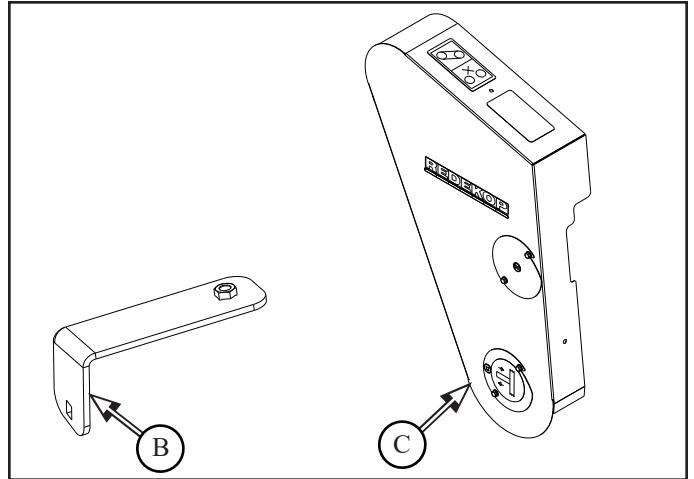
2.8.1.1 Adjust belt tensioner (**E**) to indicated length - washer lined up with tip of tensioner tube, see detail below



2.9 Shield Installation

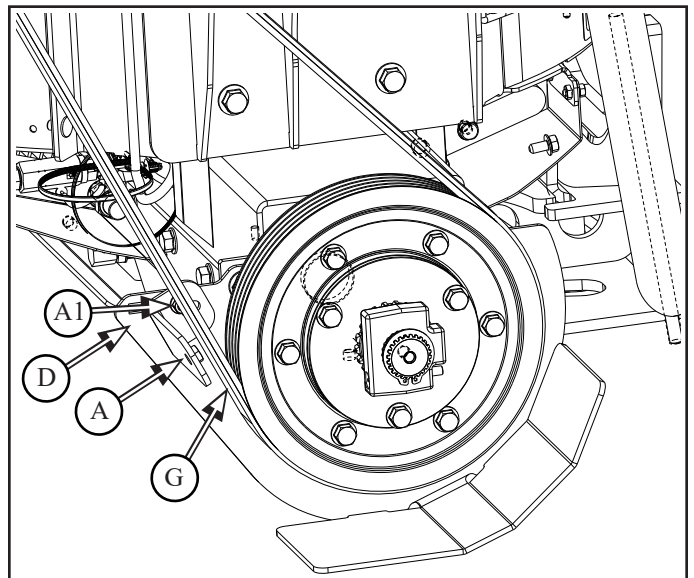
Parts List:

SC413BA	Shield Shield Mount Bracket (B)	Qty 1
SC411BA	SCU Drive Shield CR (C)	Qty 1



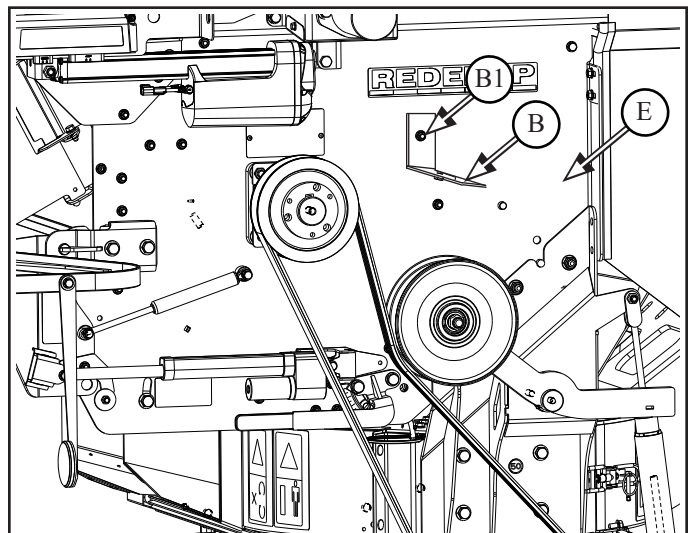
2.9.1 Install SCU shield mount bracket (A) to bottom guard (D), with:

- M8 x 20 round head bolt and flange nut (A1)
- ensure to align bracket (A) with drive belt (G)

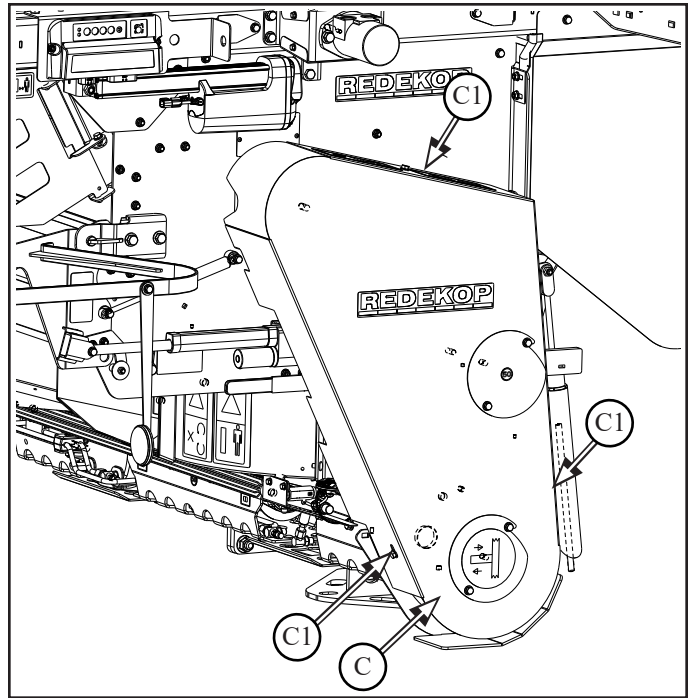


2.9.2 Install SCU shield mount bracket (B) to chopper side wall (E), with:

- M8 x 20 round head bolt and flange nut (B1)
- ensure head of bolt is on inside of chopper wall



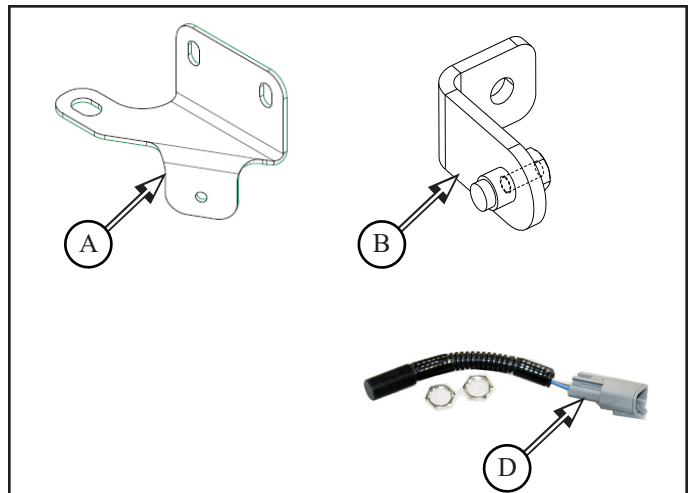
- 2.9.3** Install SCU drive shield (**C**) to mount brackets, with:
- M8 x 16 flange head bolt (**C1**) x3



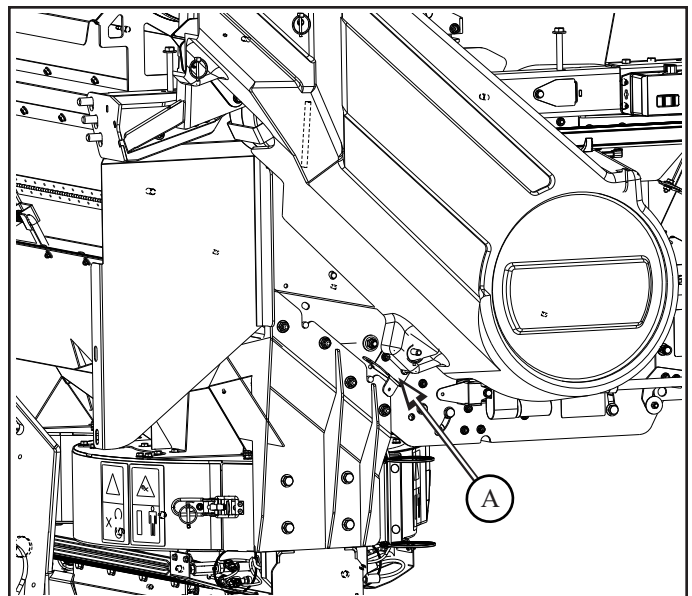
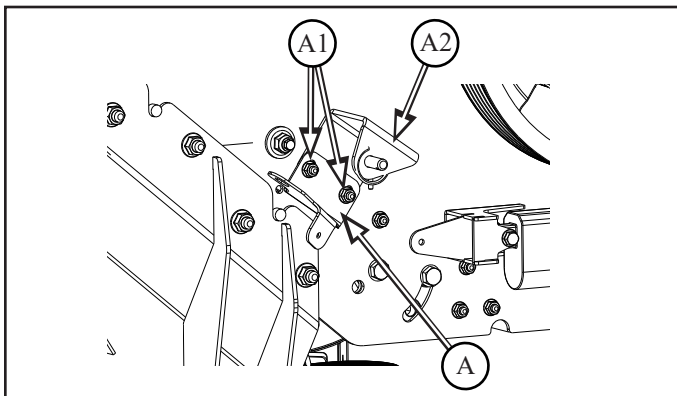
2.10 Chaff Door Proximity Sensor Installation

Parts List:

CH690B	Proximity Sensor Mount Bracket (A)	Qty 1
CH691BA	Proximity Sensor Target Assy (B)	Qty 1
RP1125	Proximity Sensor (D)	Qty 1

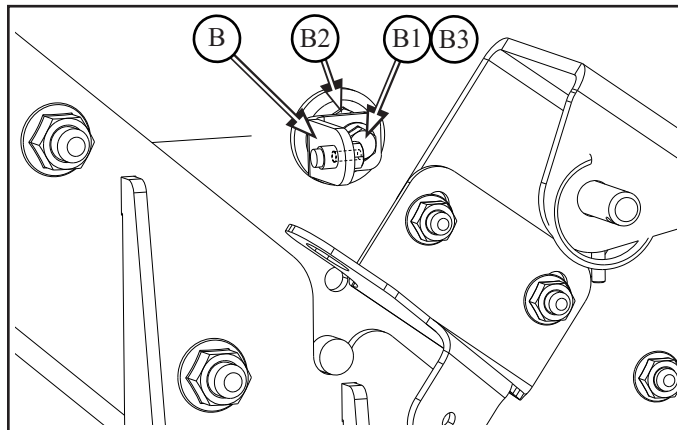


- 2.10.1** Install proximity sensor mount bracket (**A**) to shield mount bracket (**A2**) on side wall of chopper, with:
- M8 x 30 flange head bolt and flange nut (**A1**) x2



2.10.2 Install proximity sensor target assembly (**B**) to threaded hole in chaff door pivot bolt (**B2**), with:

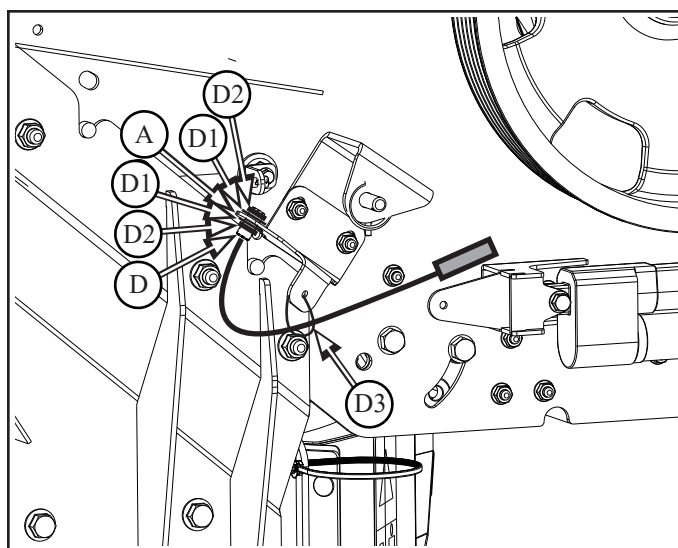
- M6 x 16 flange head bolt (**B1**)
- apply thread locker (**B3**) to secure bolt (**B1**) in place



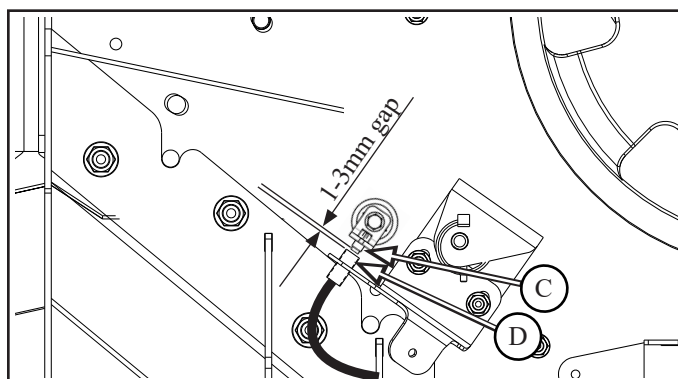
2.10.3 Install proximity sensor (**D**) to mount bracket (**A**), with:

- M12 flat washer (**D1**) x2, one both sides of plate
- Nut (**D2**) x2, one both sides of plate

2.10.3.1 Tie (**D3**) up sensor harness to tab on bracket (**A**)



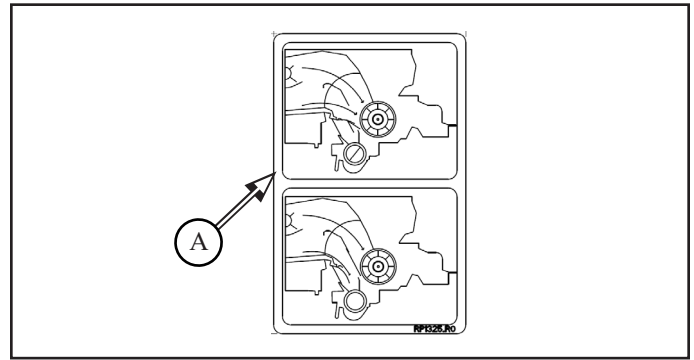
2.10.4 Ensure magnet (**C**) and proximity sensor (**D**) are aligned when the chaff door is in the by-pass position (down)



2.11 Door Position Decal Installation

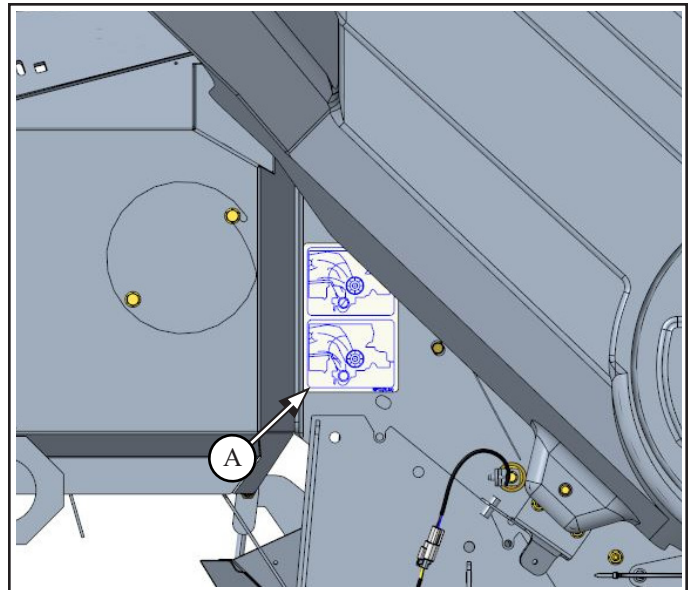
Parts List:

RP1325 Door Position Decal (A) Qty 1



2.11.1 Apply door position decal (A) to left chopper wall as shown
as shown

- clean surface of chopper wall first



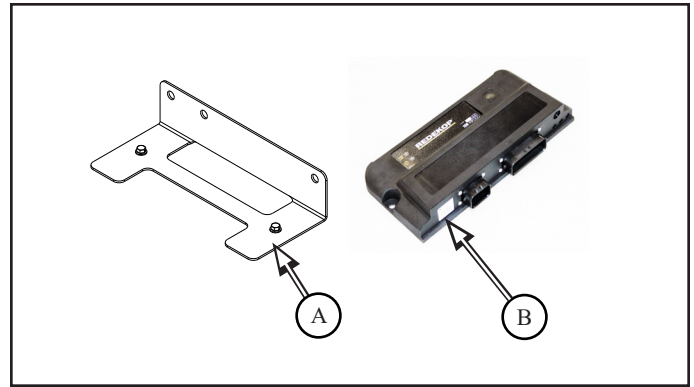
3 Electronics

3.1 ECU Installation

- may already be installed on combine with MAV
chopper with actuated tailboards

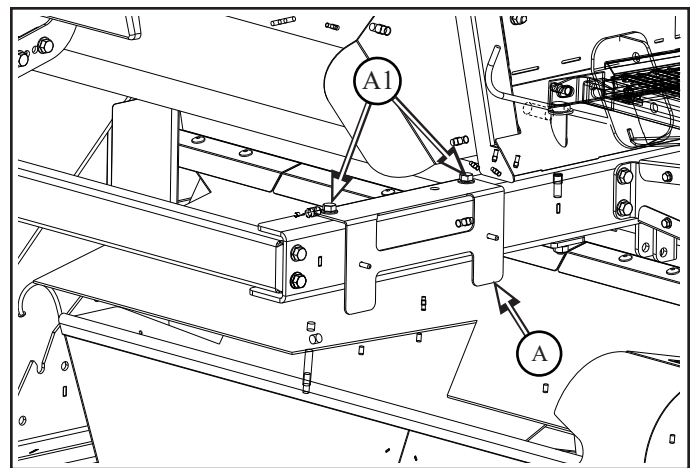
Parts List:

CS1167B	ECU Mount Bracket (A)	Qty1
RP1021	ECU (B)	Qty 1
RP1022	Harness Power/Cab (C)	Qty 1



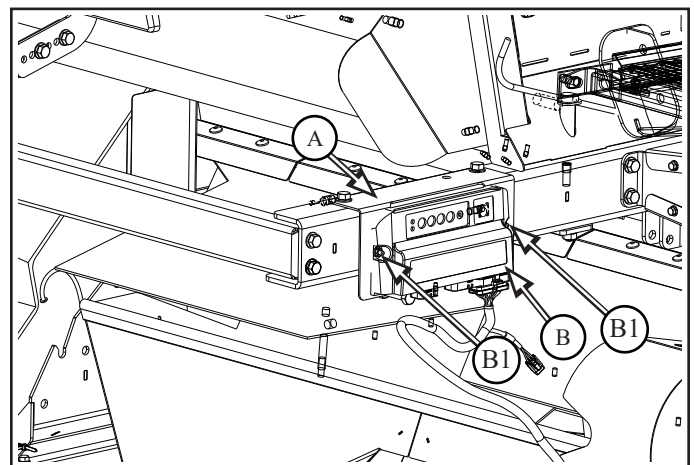
3.1.1 Install ECU mount bracket (A) onto chopper slide frame, with:

- M10 x 25 flange head bolt and flange nut (A1) x2



3.1.2 Install ECU (B) onto mount plate (A), with:

- M6 flange nut (B1) x2



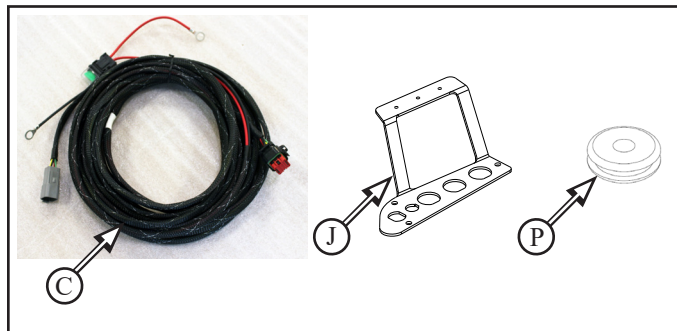
3.2 ECU Power/Cab Harness Installation

ECU Power/Cab Harness

- may already be installed on combine with MAV
chopper with actuated tailboards

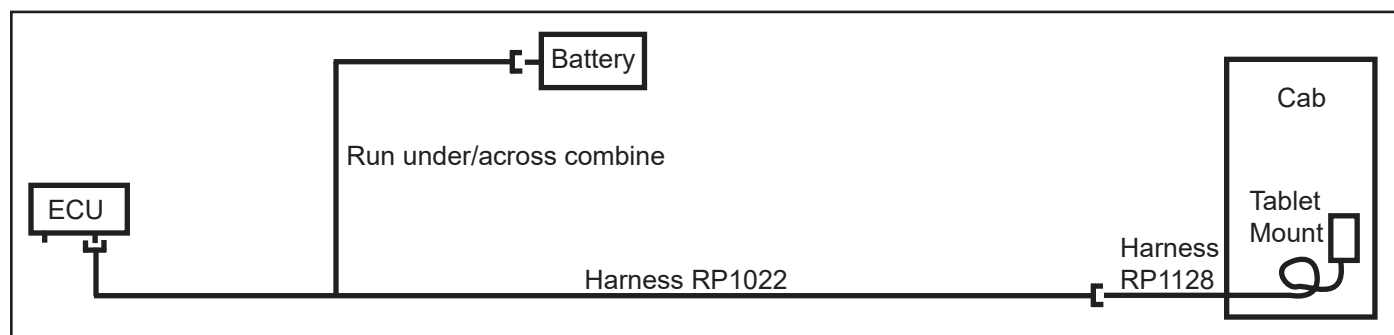
Parts List:

RP1022	Harness ECU Power/Cab (C)	Qty 1
CH762B	Bulkhead Plate (J)	Qty 1
RP1322	Grommet (P)	Qty 1



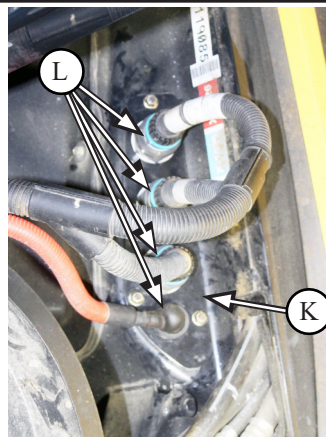
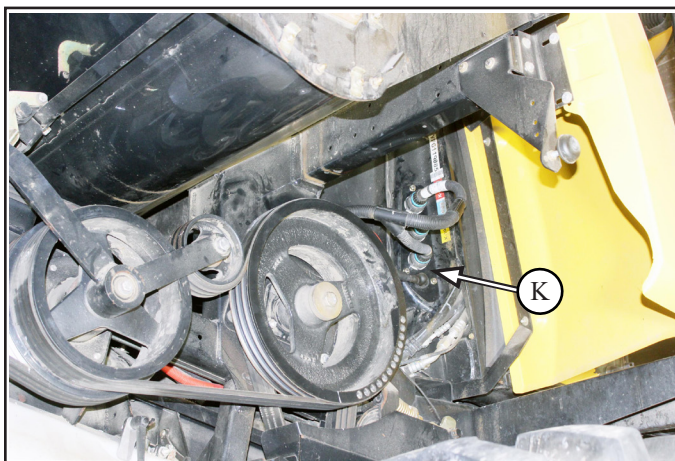
3.2.1 Install ECU Power/Cab Harness (C)

- connect harness (C) to ECU (B)
- route harness as shown along right side of combine from ECU (B) to up behind cab
- at Tee in harness, route "power lines" (C1) underneath the combine up to the battery on the left-hand side

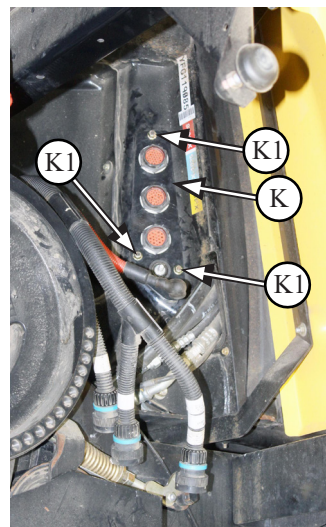


3.2.2 Ensure the battery disconnect switch is in the OFF position

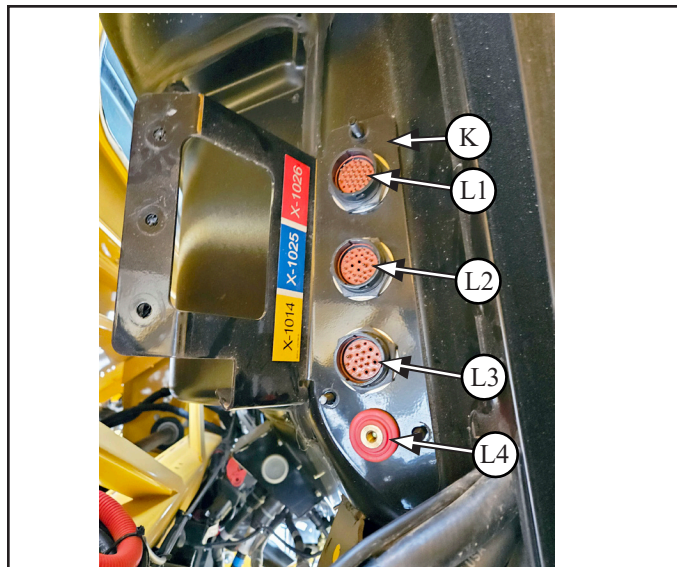
3.2.3 Disconnect all wire harness connectors (**L**) from existing connectors on bulkhead plate (**K**) behind cab



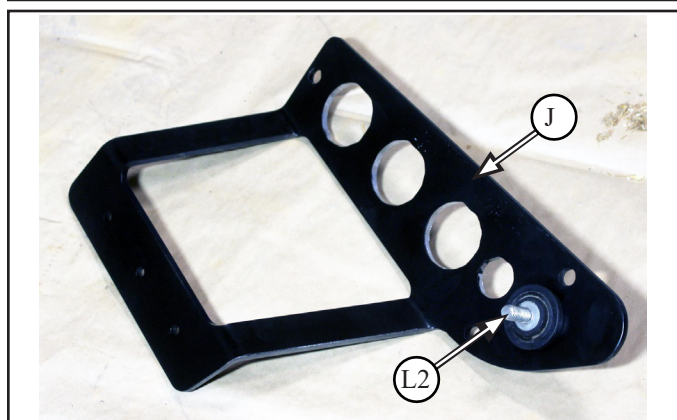
3.2.4 Remove nuts (**K1**) from existing bulkhead plate (**K**) behind cab



3.2.5 Remove connectors (**L1**, **L2**, **L3**) and stud (**L4**) from existing bulkhead plate (**K**)
- to be reinstalled in same order on new plate



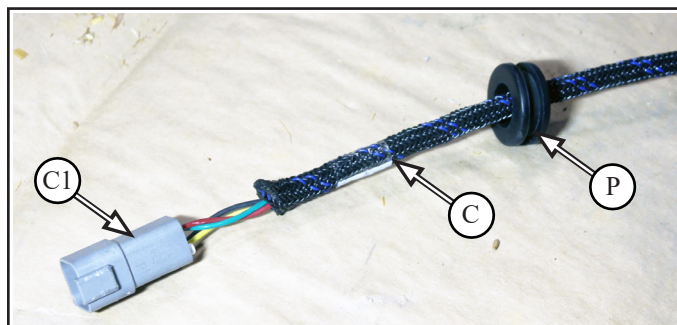
3.2.6 Install stud (**L2**) onto bottom hole in new bulkhead plate (**J**)



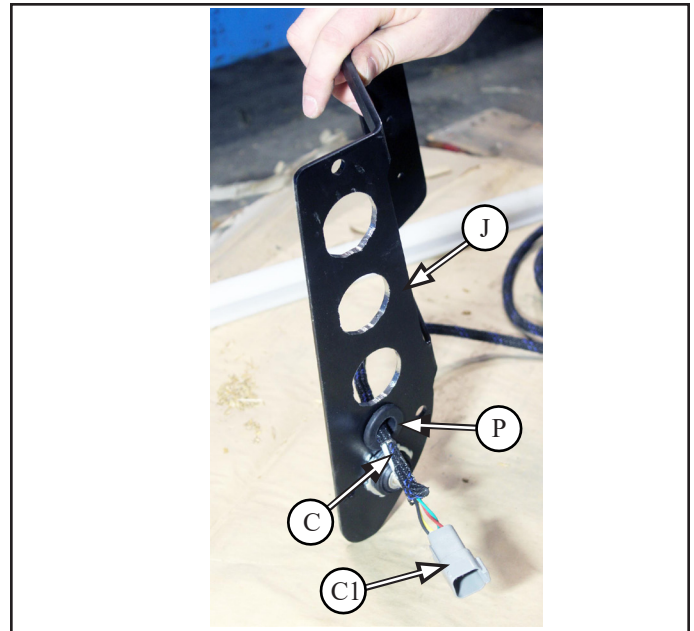
3.2.7 Slice (**P1**) thru 1 side of grommet (**P**)



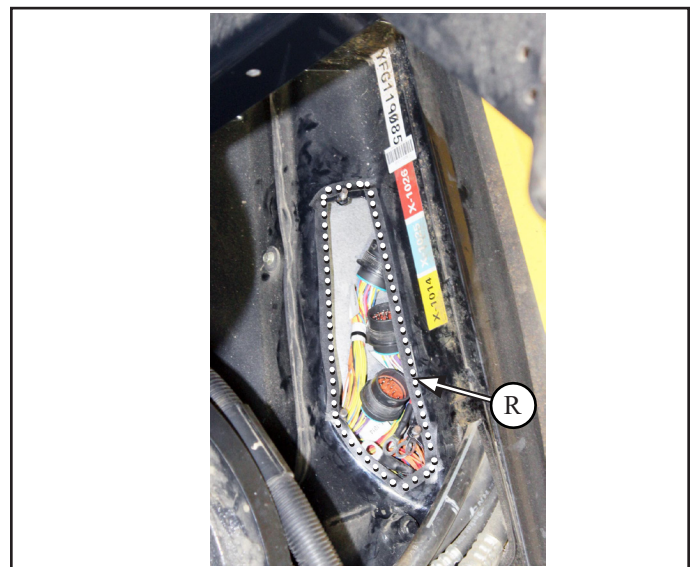
3.2.8 Slip grommet (**P**) onto new wire harness (**C**) from tablet inside cab
- ensure grommet (**P**) is closest to the female connector end (**C1**) of harness (**C**)



- 3.2.9** Install grommet (**P**) with harness (**C**) onto new bulkhead plate (**J**)
- ensure female connector end (**C1**) is fed thru the hole



- 3.2.10** Apply sealant tape (**R**) around bulkhead hole on combine
- ensure there are no gaps present



**** Do Not tighten zip ties securing Harness (C) until in-cab wiring is completed ****

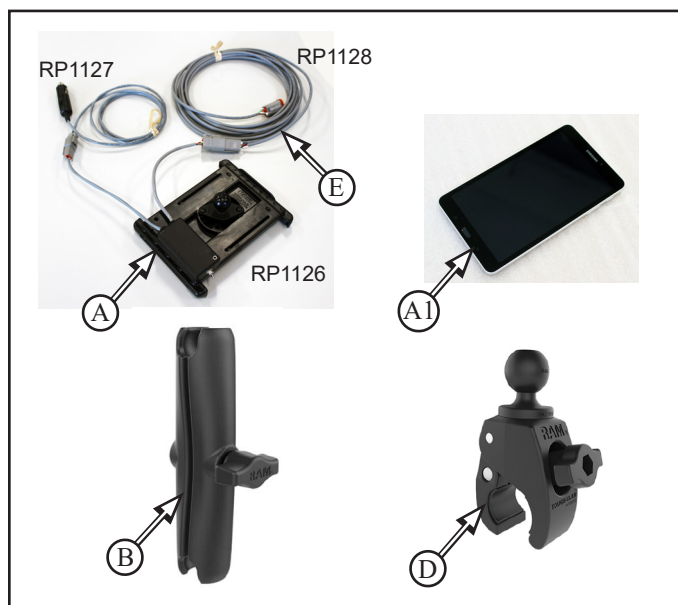
There are two (2) monitoring options, Tablet and ISOBUS. ISOBUS displays on the OEM combine screen and the tablet is a stand-alone display. Both options have been provided below.

3.3 Tablet

There are two (2) monitoring options, Tablet and ISOBUS. Isobus displays on the OEM combine screen and the tablet is a stand-alone display. Both options have been provided

Parts List:

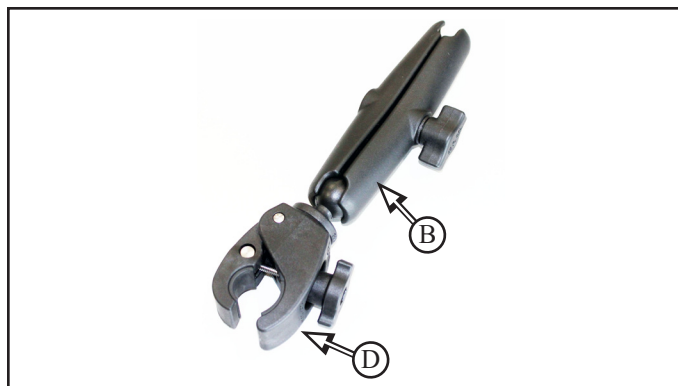
RP1126A	Tablet Mount, Harness Assy (A)	Qty 1
RP1065	Tablet 8 in (A1)	Qty 1
RP1229	RAM Mount Double Socket (B)	Qty 1
RP1234	RAM Mount Clamp w/ball (C)	Qty 1
RP1128	Harness CAN Extention 20ft (E)	Qty 1



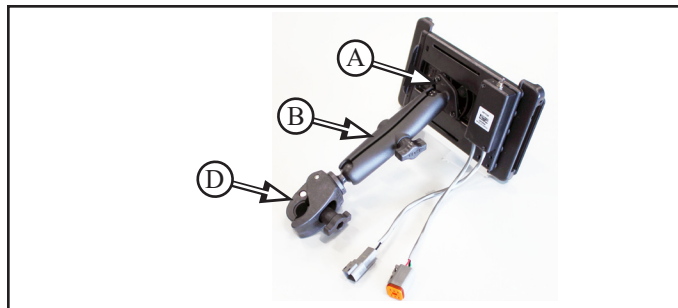
3.3.1 Route connector end (C1) of harness (C) downward and towards the front
- this will come out under the arm rest controls plastic cover



3.3.2 Assemble the double socket clamp (B) to clamp w/ ball (D)



3.3.3 Assemble the double socket assembly (**B**) to the ball on the tablet mount (**A**)

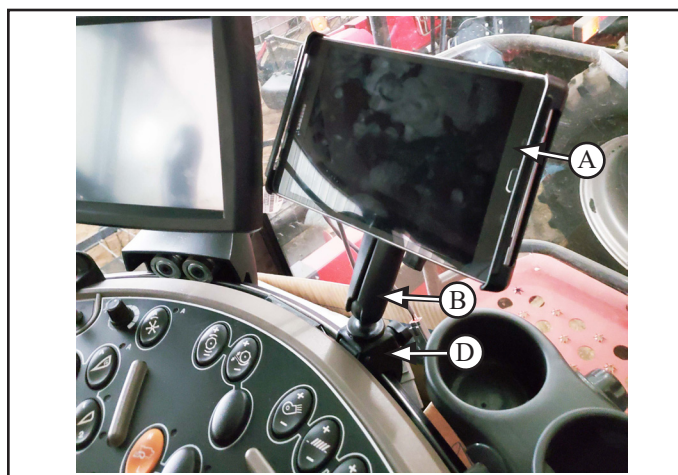


Prior to installation in combine - check for a software update for Redekop Controller application. See operator's manual section 4.4

3.3.4 Mount tablet, cradle assembly onto inside of combine cab at desired location using and locking the clamp (**D**) into place. Adjust angle of tablet for best viewing and lock into place.

3.3.4.1 Connect harness (**C**) from ECU into tablet

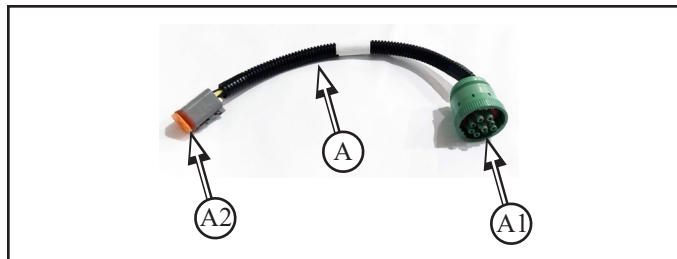
See operator's manual for operation of tablet



3.4 ISOBUS

Parts List:

RP1544 Isobus Diagnostic Adapter Harness (**A**) Qty 1



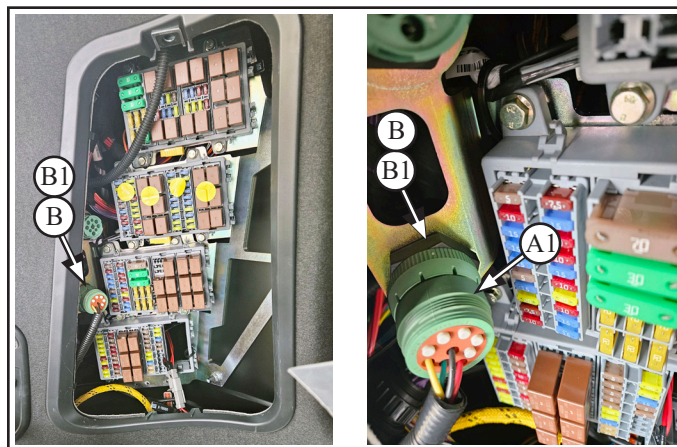
3.4.1 Remove in cab fuse panel cover to right of seat

3.4.2 Route connector end (**C1**) of harness (**C**) upward
- this will come out in the bottom of the in cab fuse panel to the right of the seat



3.4.3 Loosen nut (**B1**) on bottom diagnostics port (**B**)
- this will allow connector to push in further and provide clearance for fuse panel cover
- do not remove nut

3.4.3.4 Plug connector (**A1**) into bottom diagnostics port (**B**)



3.4.4 Connect connector (**A2**) of isobus diagnostic adapter harness (**A**) into ECU power cab harness (**C**) connector (**C1**)

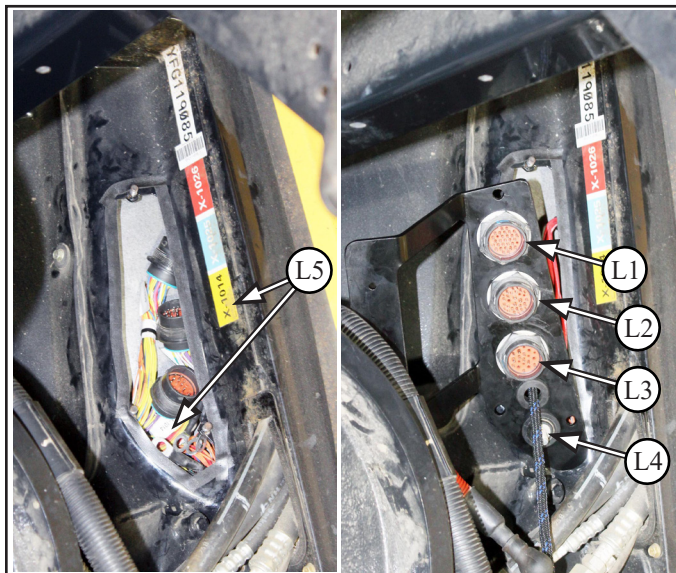
3.5 Cab Bulkhead Completion

3.5.1 Install connectors (**L1**, **L2**, **L3**) and stud (**L4**) to back of new bulkhead plate (**J**) in same order as removed from old plate



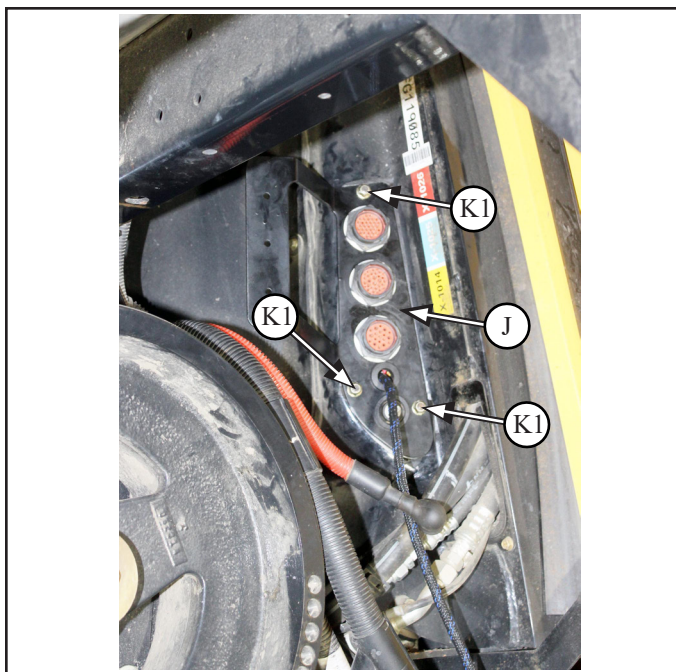
- ensure number on connector labels (**L5**) matches number on the labels (**L5**) on combine wall and connectors are installed in same order

3.5.1.2 If old bulkhead bracket has label with harness numbers, mark number onto new bulkhead bracket



3.5.2 Install bulkhead plate (**J**) with connectors installed onto studs, secure in place with:

- reuse nuts (**K1**) x3



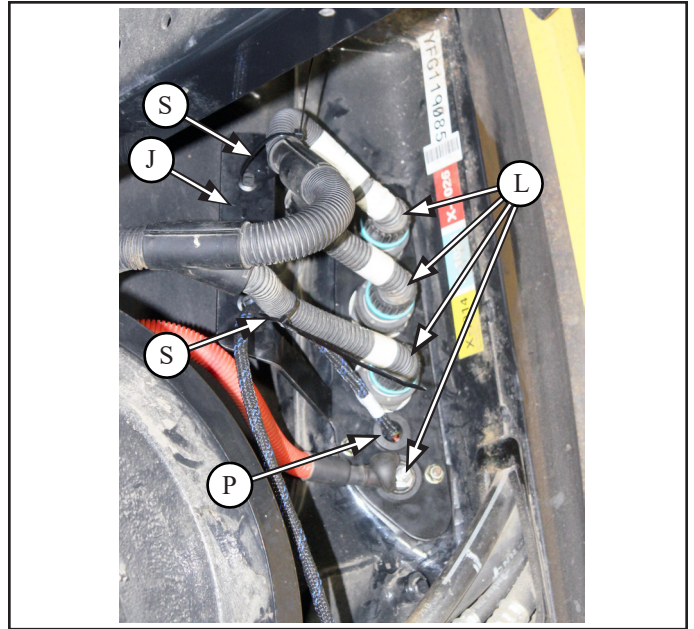
3.5.3 Reassemble harness connectors and power cable (L) to connectors (L1-L4) on bulkhead plate (J)
- ensure the connectors are in the same order as previous and number matches number on combine



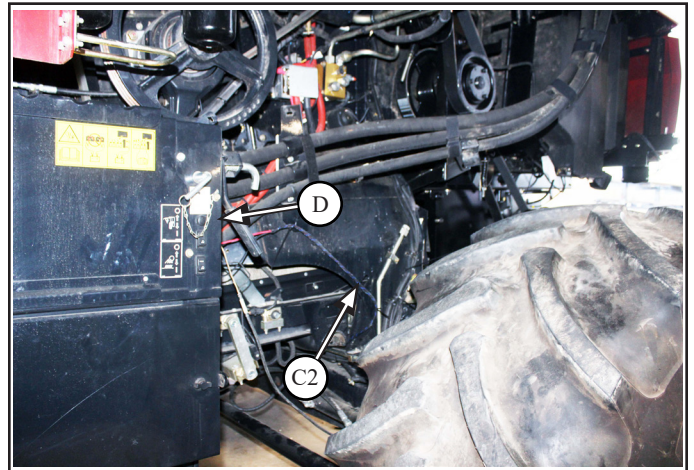
3.5.4 Secure harnesses in place with nylon ties (S) to bulkhead bracket (J)

3.5.5 Apply sealant to grommet (P)

**** Do Not tighten zip ties securing Harness (C) until in-cab wiring is completed ****



3.5.6 Connect "power lines" (C2) to battery (D) terminals



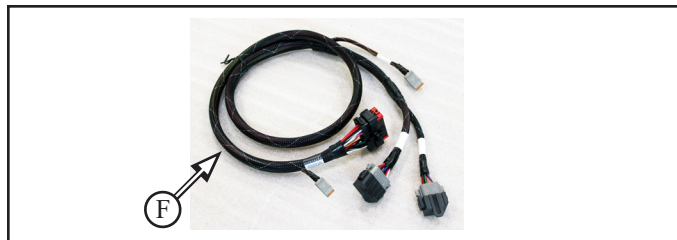
3.5.7 Tighten zip ties securing harness in place once routing is confirmed

3.6 Chopper / SCU Harness Installation

Parts List:

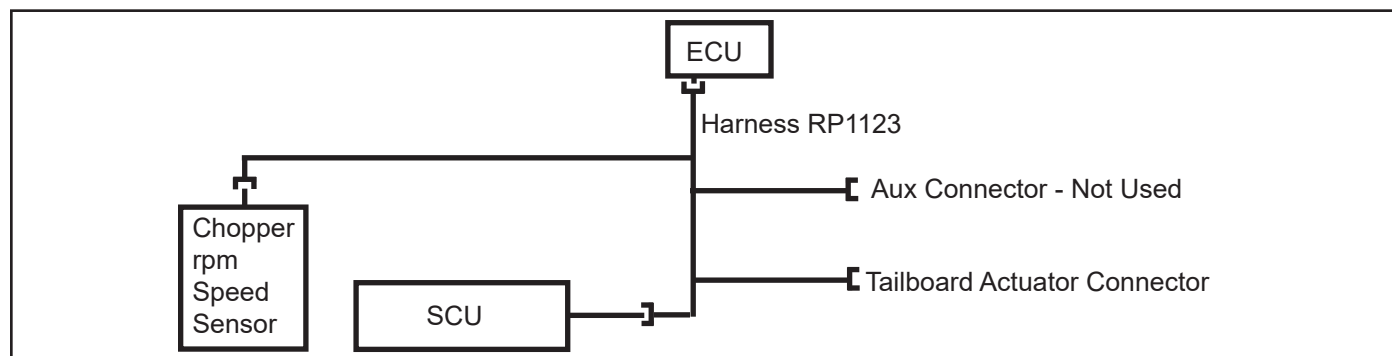
RP1123 Harness Chopper/SCU (F)

Qty 1



3.6.1 Install Chopper/SCU Harness (F)

- connect harness (F) to ECU (B)
- route harness as shown along right side of chopper from ECU (B) to SCU harness (G)
- connect branch to chopper speed sensor (H)
- branch for auxilliary is not used
- connect branch for tailboard actuators (J)
- use cable tie straps to secure harness to existing harness or hydraulic lines running along side of chopper
- ensure harnesses are not in a pinch point location



4 Software Codes

4.1 SCU & Tailboard Codes

For the ISOBUS installation, locate the ISOBUS virtual terminal button to find Redekop Control

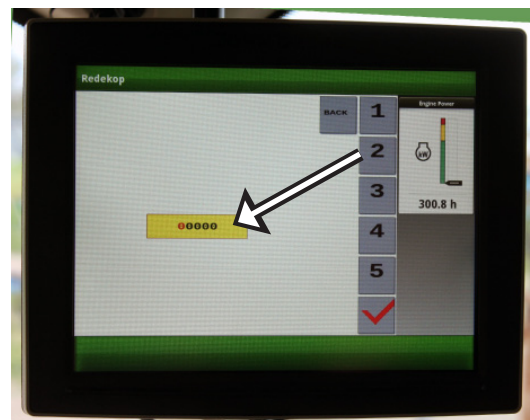
To install the appropriate parts of the software, the following codes have to be entered

Select the option you want to install

Select "Uninstalled" beside option



Screen defaults to code input screen displaying 00000



To enter new code, select numbers on sidebar, code will display in center of screen.

SCU Code: 53235

Tailboard Actuator Code: 22114



Option now states "Installed"





CAUTION

Check that all tools and loose hardware have been removed from the combine and SCU before running SCU



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.

REDEKOP MANUFACTURING

1.866.REDEKOP (1.866.733.3567)

Saskatoon, Saskatchewan Canada S7K 3J7

info@redkopmfg.com

www.redkopmfg.com

REDEKOPTM

For additional and the most up to date Manuals:



EQR002

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