REDEKOP™

SEED CONTROL UNIT

AGCO / FENDT / IDEAL

WITH MAV CHOPPER

INSTALLATION MANUAL

PRODUCT NUMBER: **850-510H**

SC002-05_R1

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Seed Control Unit

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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 safet.y 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.

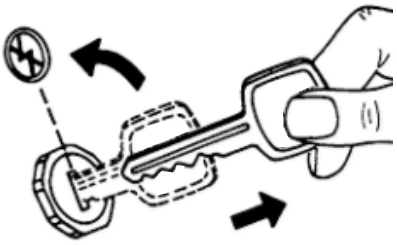
Never leave combine unattended as long as engine is running.

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.

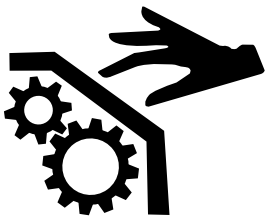
Securely support any machine elements that must be raised for service work.

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

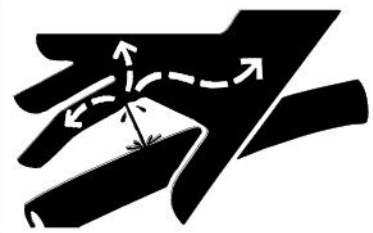
0.10.1 Keep guards and shields in place at all times. Ensure that they are serviceable and maintained correctly.



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.

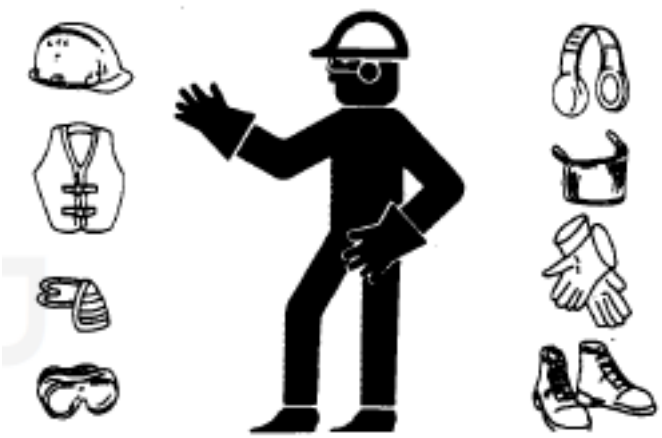
Follow recommended procedure for removal and installation of components in the manual.

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!

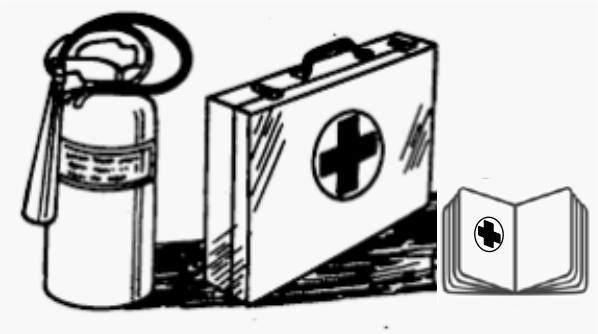
Interference with speech communication, acoustic signals is possible.

0.17 Prepare for Emergencies

0.17.1 Be prepared if a fire starts.

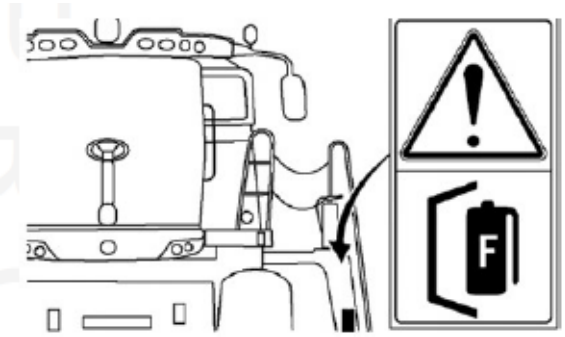
Keep a first aid kit and fire extinguisher handy.

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 extingisher'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. 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!
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 guidlines:

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. Pull the safety pin out of actuating lever.
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.

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 in identified by a pictorial in a warning triangel. An adjacent pictorial provides information on how to avoid personal injury. These safety signs and a brief explanatory text follow.

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.

Caution / Hearing Protection Required
RP1090

Use hearing protection whenever operating the machine.

Hand Injury / Rotate Danger
RP1089
Risk of injury caused by rotating parts.

Kickback Hazard / Stand Clear
RP1086
Avoid personal injury. Kickback hazard when removing access panel.

Projectile Hazard / Stand Clear
RP872
Stay clear of these components when the engine is running.

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)

0.22 Information Decals

Redekop Seed Control Unit Serial Number Plate

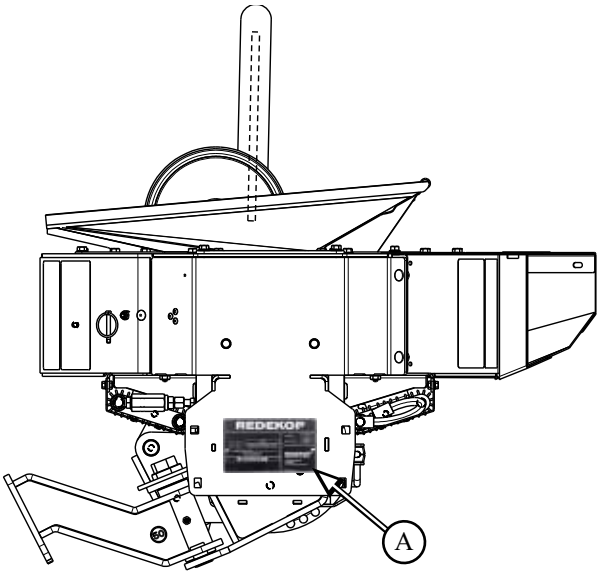
Grease Every 12 Hours
RP1091

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

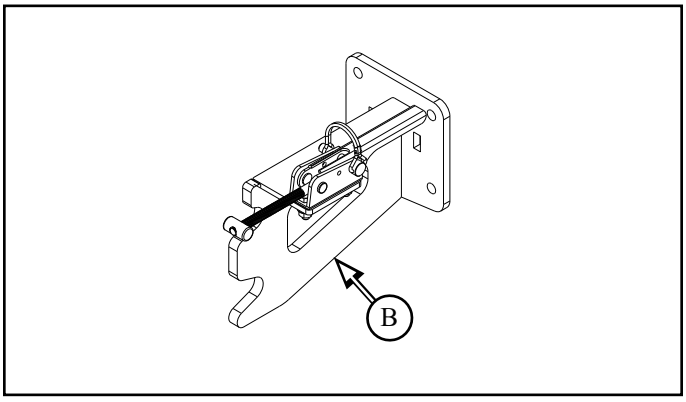


1 Seed Control Unit Installation

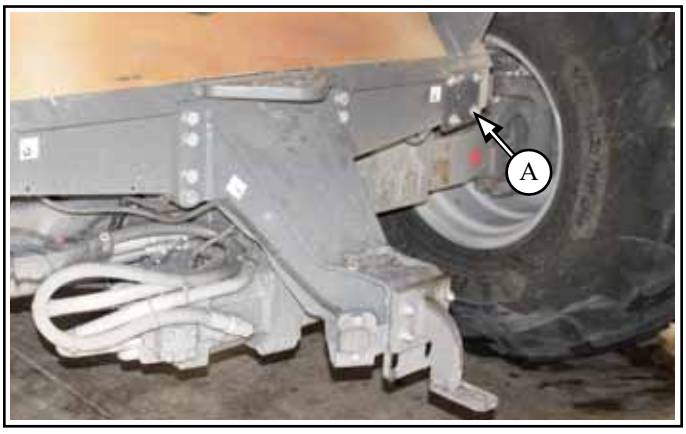
Note: If chopper is being installed at the same time, install SCU before chopper installation.

1.1 SCU Support Bracket Installation

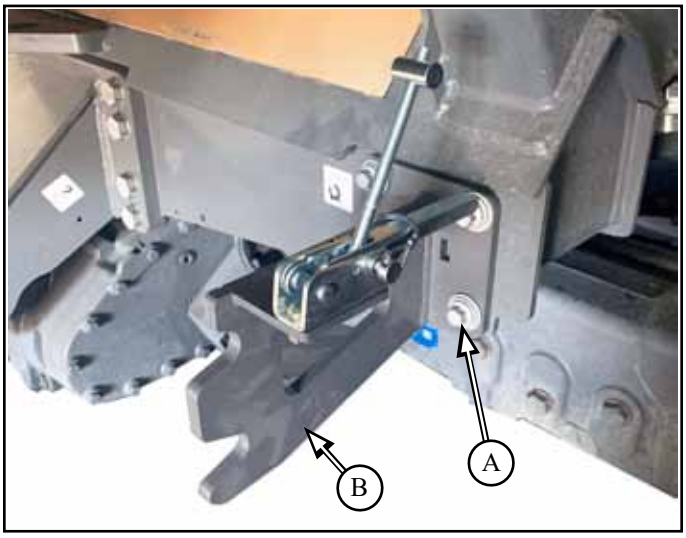
Parts List:
AF116CA Support Bracket Assy (**B**) Qty 1



1.1.1 Remove hardware (**A**) x4 from right rear combine frame
- to be reused



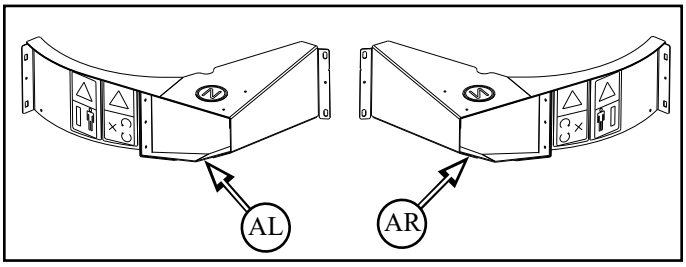
1.1.2 Install SCU support bracket (**B**) to right rear combine frame, with:
- reuse hardware (**A**) x4



1.2 Discharge Outlet Installation

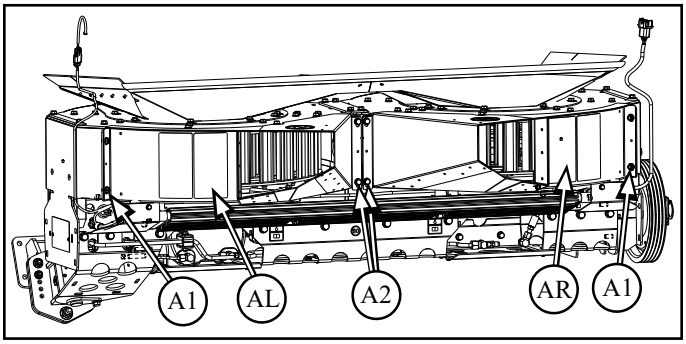
Parts List:

SC180CAL	Discharge Outlet Vane TB (**AL**)	Qty 1
SC180CAL	Discharge Outlet Vane TB (**AR**)	Qty 1



1.2.1 Install left discharge outlet (**AL**) to SCU housing with:
- M8 x 16 round head bolt and flange nut (**A1**) x2
- M8 x 20 flange head bolt (**A2**) x2

- repeat for other side

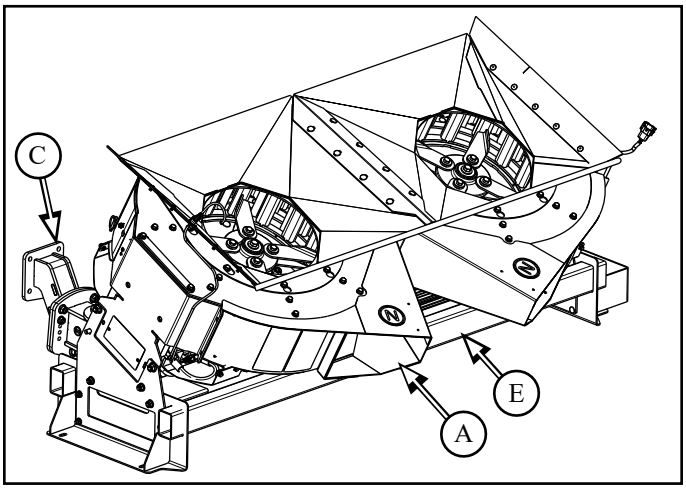


1.3 SCU Installation

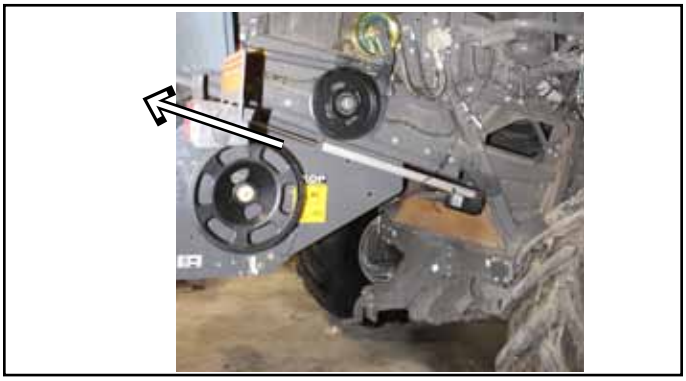
Note: If Straw Chopper is to be installed, install SCU before chopper installation

Parts List:

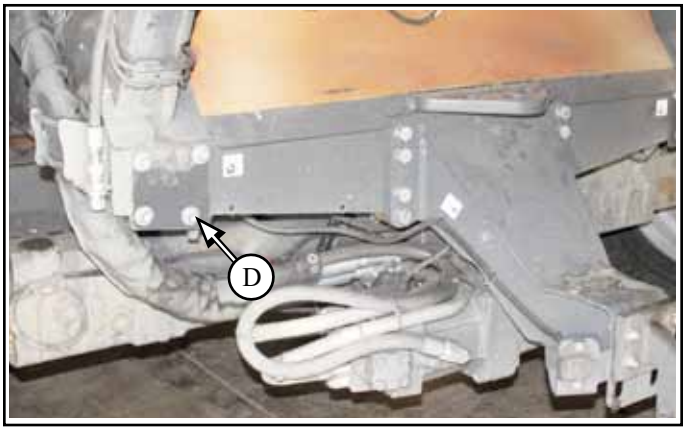
SC650CA	SCU (**A**)	Qty 1
SC754A	Service Frame (**E**)	Qty 1



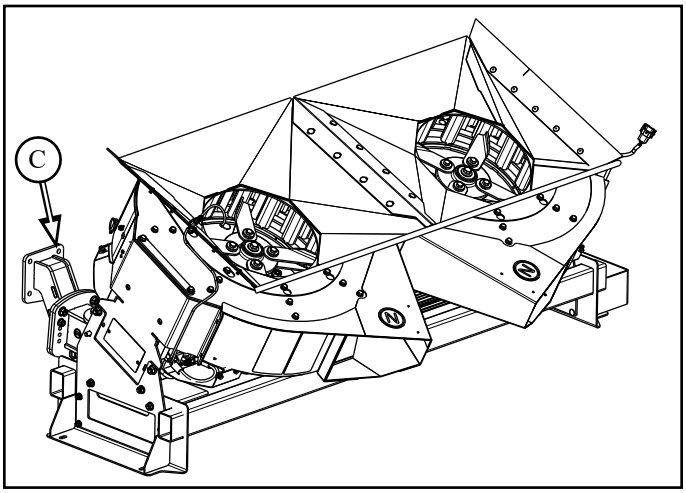
1.3.1 Move chopper fully rearward to give as much room and access at the rear of combine for SCU as possible.
- if the chopper stop brackets are installed on the slide rails, it may be beneficial to remove to allow the chopper to move rearward further
  - to be reinstalled



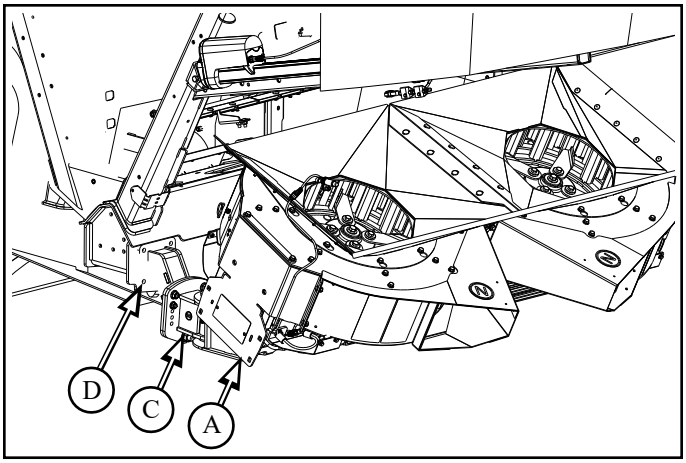
1.3.2 Remove hardware (**D**) x4 from left rear combine frame
- to be reused



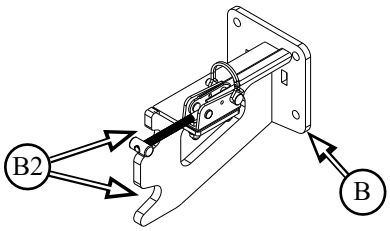
1.3.3 Swing mounting arm (**C**) out to install onto left rear of combine frame

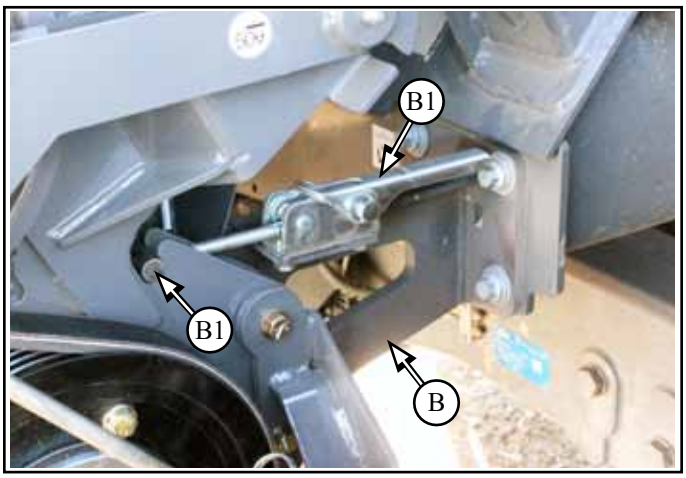


1.3.5 Lift SCU (**A**) into place at rear of combine, ahead of straw chopper. Align mounting arm (**C**) to left rear combine frame mounting plate. Secure in place with:
- reuse hardware (**D**) x4

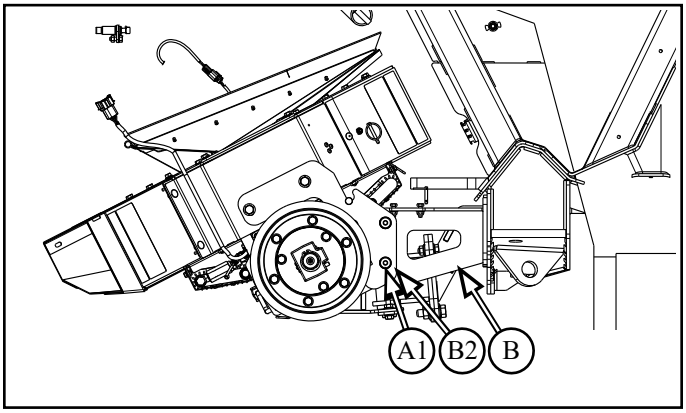


1.3.6 Swing SCU (**A**) to support bracket (**B**) and ensure pins (**A1**) align with cradle (**B2**) in support bracket, if aligned, lock into place with latch (**B1**)

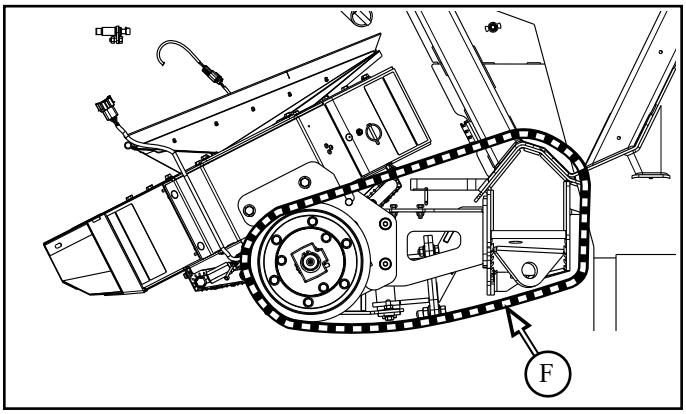




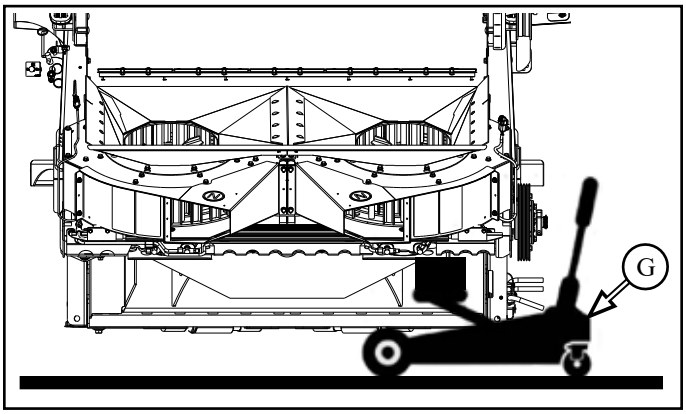
1.3.7 If SCU pins (**A1**) do not align into cradle (**B2**) of support bracket (**B**) on right side, adjust mounting arm (**C**) with the following procedure:



1.3.7.1 Strap (**F**) SCU to combine so it cannot swing out during adjustment

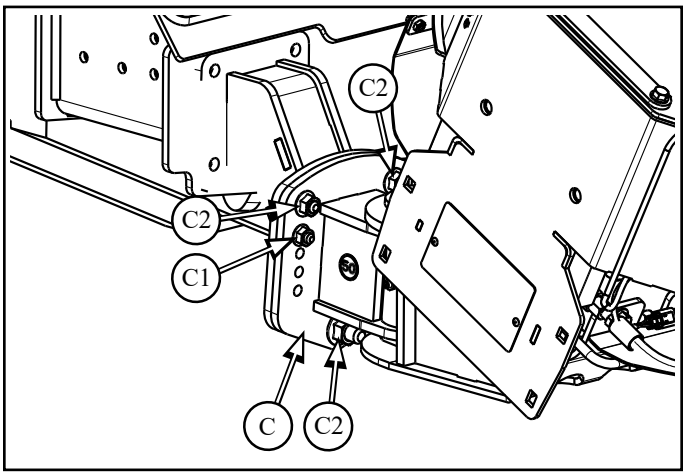


1.3.7.2 Support SCU with a hydraulic jack (**G**) on right side

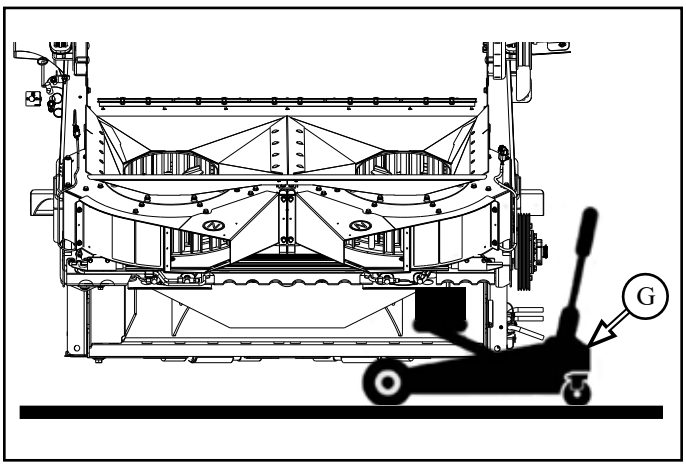


1.3.7.3 Remove bolt (**C1**) from mounting arm plates (**C**) - to be reused

1.3.7.4 Loosen bolts (**C2**) x3
- Do Not Remove



1.3.7.5 Raise SCU up with hydraulic jack (**G**) until pins (**A1**) are aligned with cradle (**B2**)



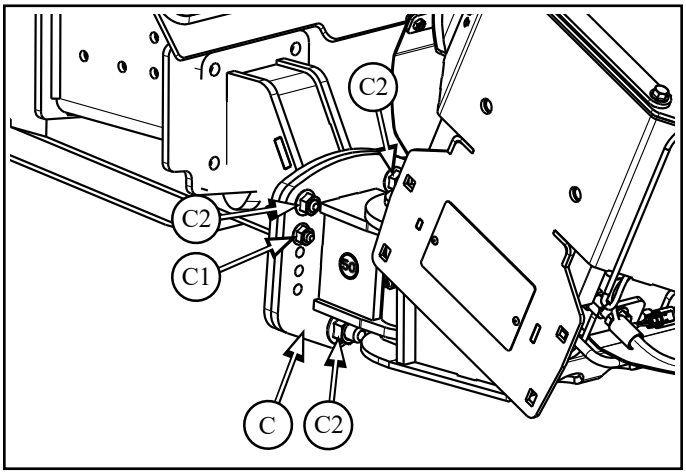
1.3.7.6 Install bolt (**C1**) into holes that align up, tighten

1.3.7.7 Tighten bolts (**C2**) x3

1.3.7.8 Lower hydraulic jack

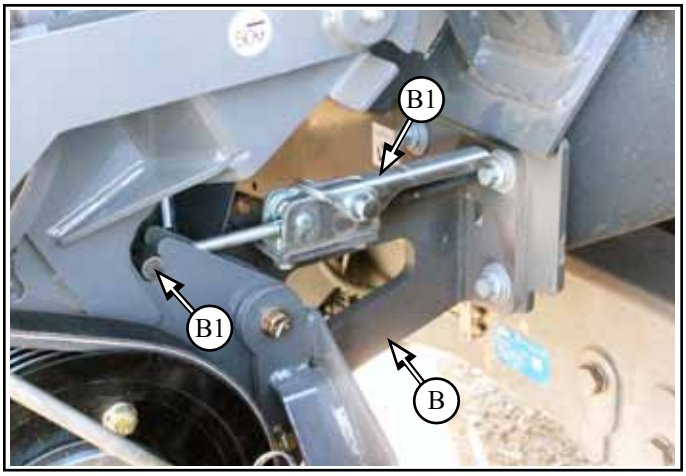
1.3.7.9 Ensure SCU pins (**A1**) stays aligned with cradle (**B2**) of support bracket (**B**)

1.3.7.10 If SCU does not stay aligned, repeat procedure until it does

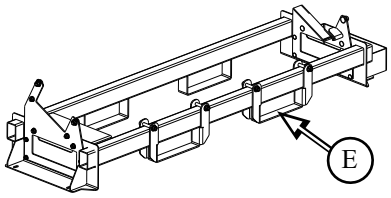


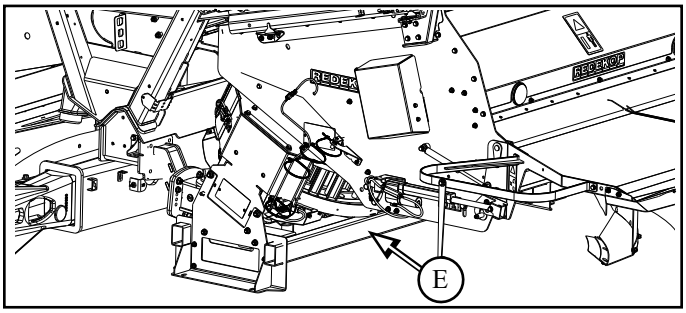
1.3.7.11 Lock SCU into place with latch (**B1**)

1.3.7.12 Remove strap (**F**)

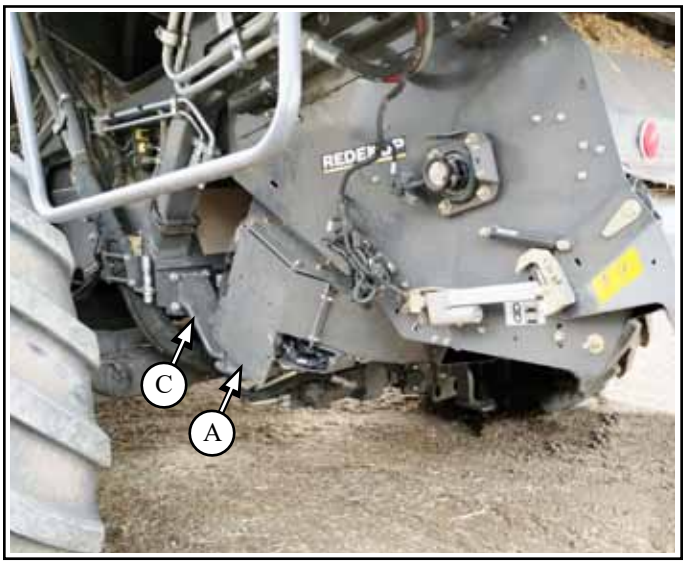


1.3.8 Remove service frame (**E**) from SCU
- do not discard frame and hardware
- keep for future SCU servicing requirements

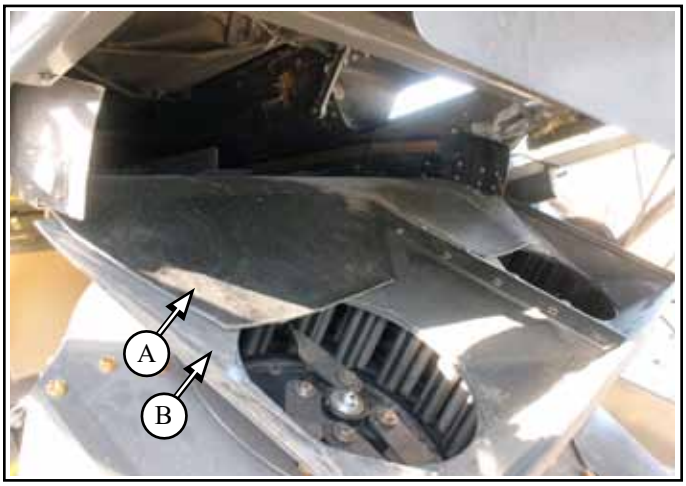




1.3.9 View with SCU (**A**) installed and chopper forward



1.3.10 Ensure sieve extension belting (**A**) is on top of SCU hopper inlet (**B**)



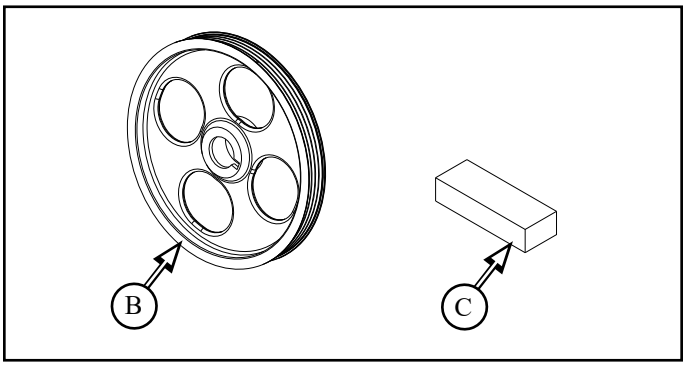
1.4 SCU Drive Sheave Installation

If this is a SCU installation on a combine with an existing MAV Straw Chopper, follow the procedure below:

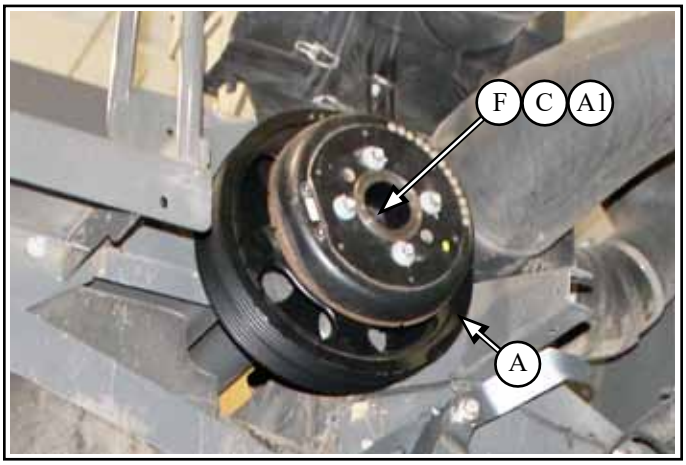
Parts List:

RP1308	4M Driver Sheave (**B**)	Qty 1
SC643-01	Key 14 x 9 x 40L (**C**)	Qty 1

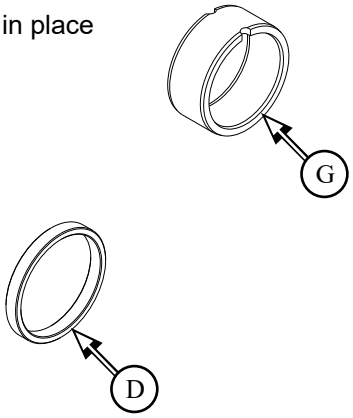
****Note: SCU requires combine drive clutch, if combine does not have, order thru dealer ****

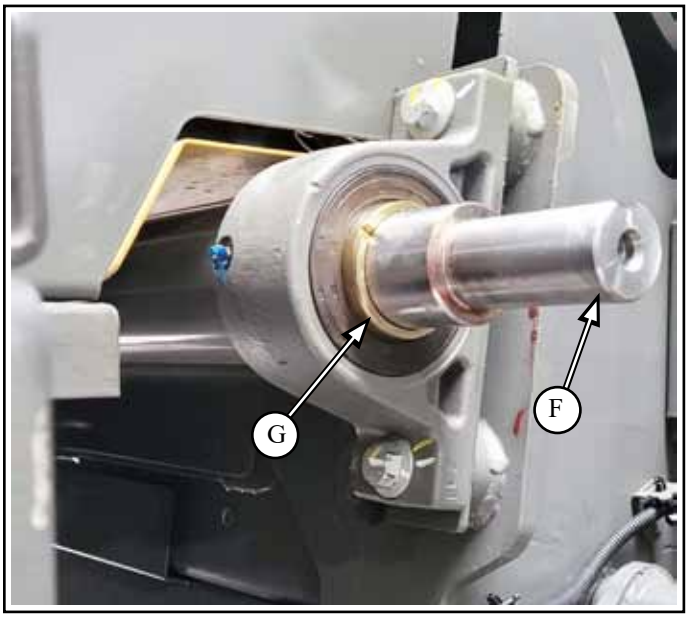


1.4.1 Remove drive sheave (**A**) and key (**C**) from drive shaft (**F**)
- all to be reused



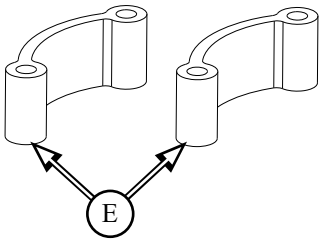
1.4.2 Remove thin spacer (**D**) from drive shaft (**F**)
- not to be reused
- spacer (**G**) to remain in place

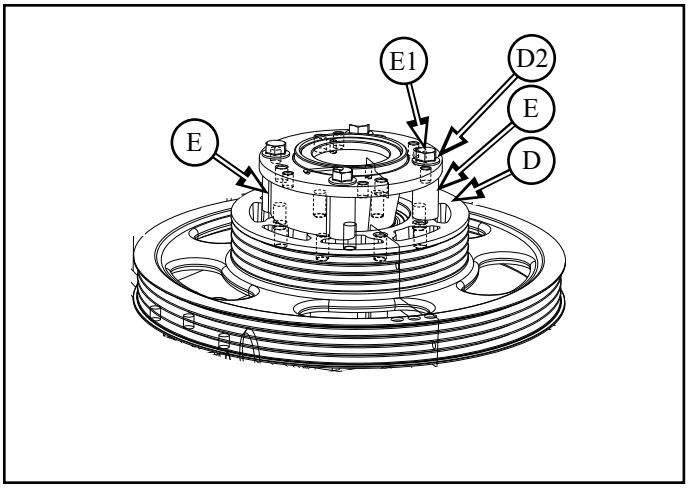




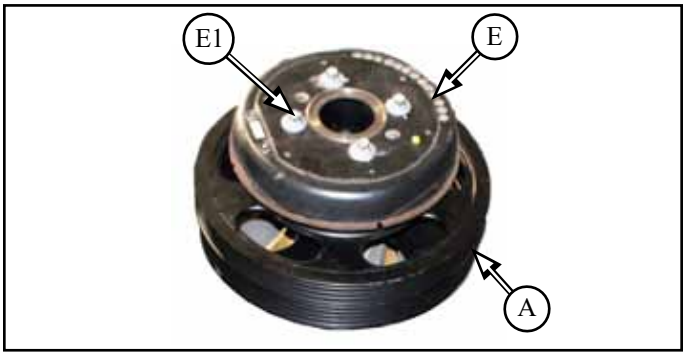
1.4.3 If combine does not have a drive clutch, it would have had spacers assembled to the drive sheave.

1.4.3.1 Remove spacer (**E**) x2
- spacers and hardware not to be reused



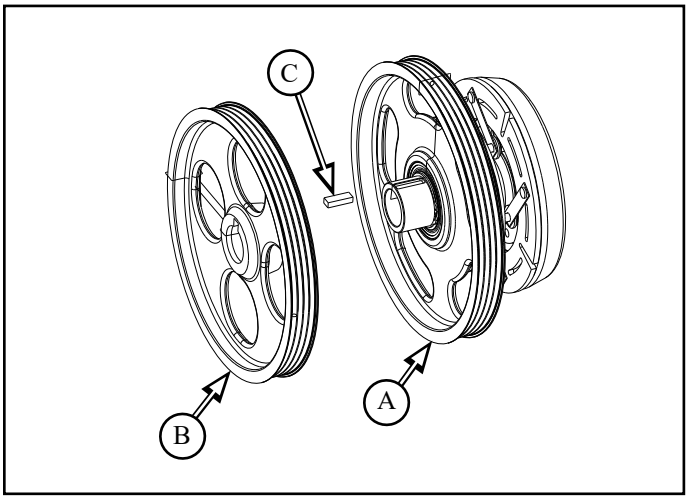


1.4.4 Install new OEM clutch assembly (**E**) onto sheave (**A**), with:
- supplied hardware (**E1**) with clutch



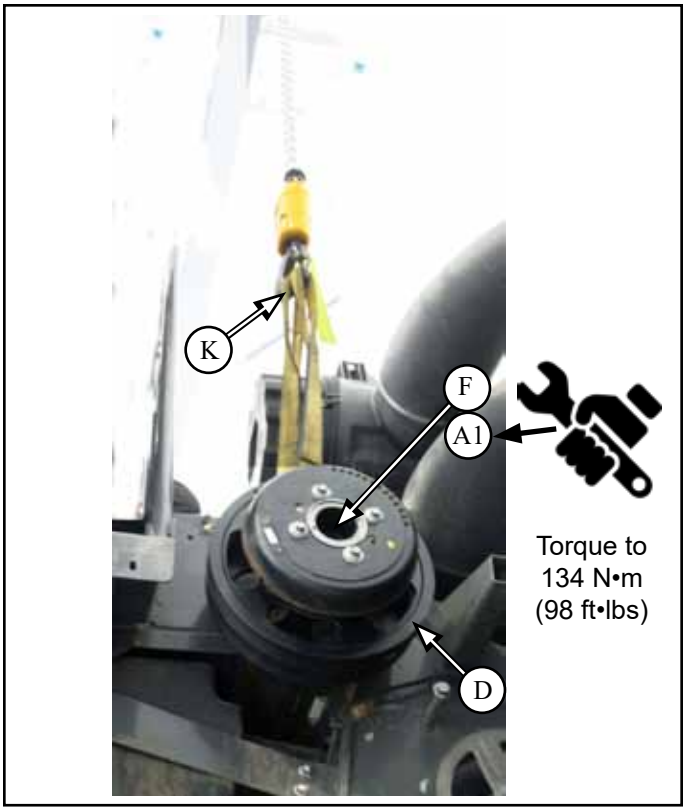
1.4.5 Install new drive sheave (**B**) and key (**C**) to back of drive sheave assy (**A**)

1.4.5.1 Tie sheaves together in order that they do not seperate on next step



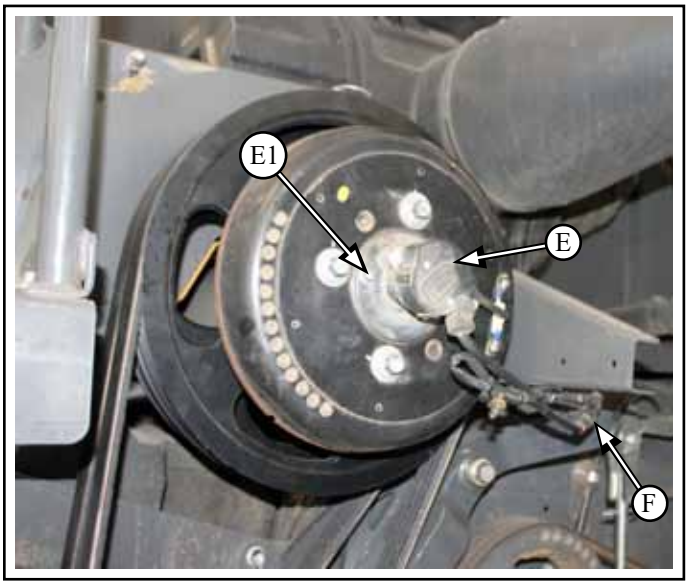
1.4.6 Install drive sheave assembly (**D**) onto upper drive shaft (**F**), with:
- reuse existing, key, bolt and washer (**A1**)
- apply blue thread locking compound
- Torque to 134 N*m (98 ft*lbs)

Heavy!
Use Lifting Device (**K**)!



1.4.7 Install EOM clutch electrical assembly (**E**) onto clutch cover plate assembly (**F**), with:
- reuse existing hardware (**E1**) x4

1.4.8 Connect clutch electrical connector (**F**) to main harness



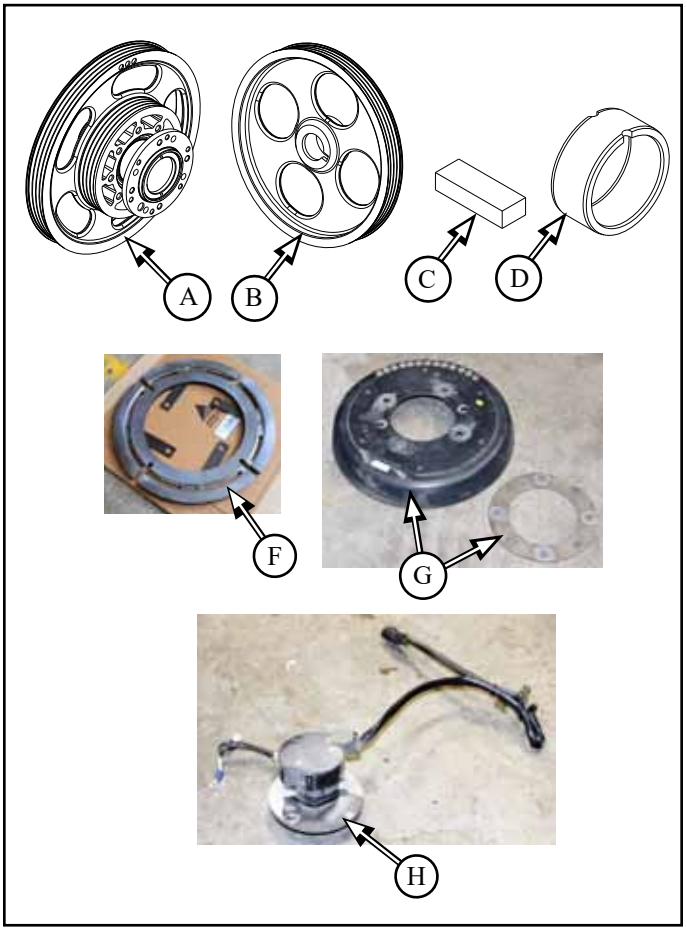
1.5 SCU Drive Sheave Installation

If this is a new Straw Chopper and SCU installation, follow the procedure below:

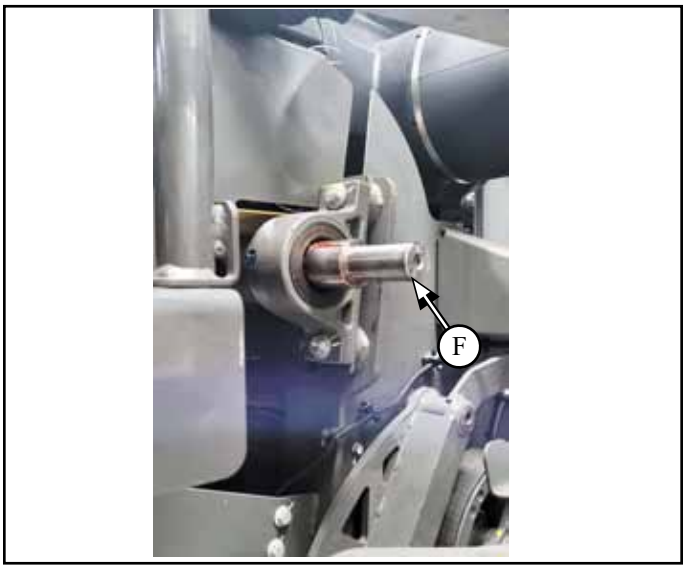
Parts List:

SC645A	Chopper Drive Assy (**A**) (located in Chopper bundle)	Qty 1
RP1308	4M Driver Sheave (**B**)	Qty 1
SC643-01	Key 14 x 9 x 40L (**C**)	Qty 1
SC641Z	Spacer 55mm (**D**)	Qty 1
	(located in SC641S Hdw Bag in Chopper bundle)	
	OEM Clutch Plate (**F**)	Qty 1
	OEM Clutch Cover & Shim Plate (**G**)	Qty 1
	OEM Clutch Electrical Assy (**H**)	Qty 1

****Note: SCU requires combine drive clutch, if combine does not have, order thru dealer ****

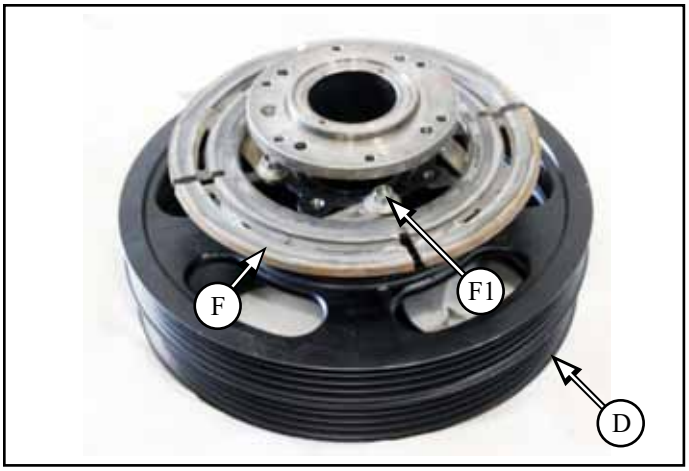


1.5.1 OEM drive sheave should have been removed already, if not, see Dismantle Manual AF003-01

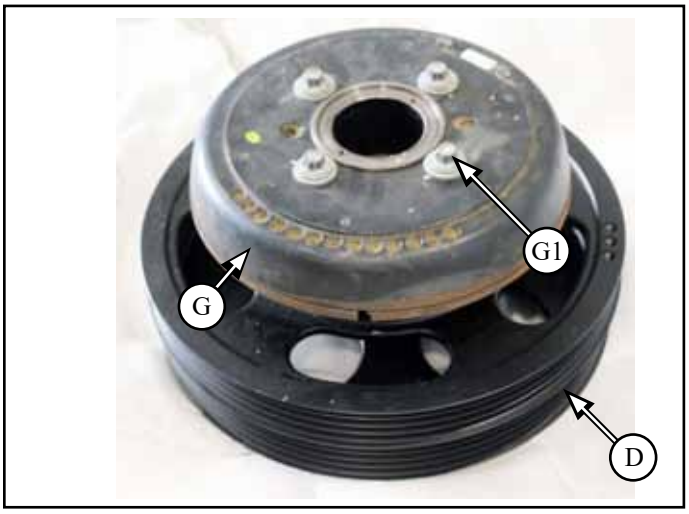


Install new OEM Clutch or existing Clutch removed from OEM drive sheave

1.5.2 Install OEM clutch plate (**F**) onto drive sheave assembly (**D**), with:
- reuse existing hardware (**F1**) x4

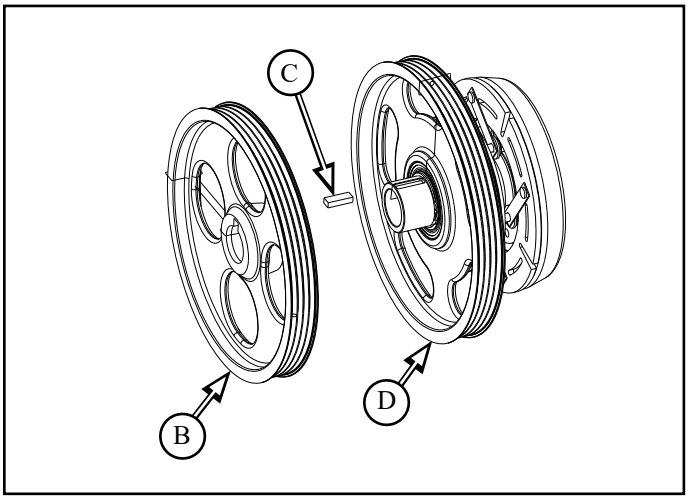


1.5.3 Install OEM clutch cover and shim plate (**G**) onto drive sheave assembly (**D**), with:
- reuse existing hardware (**G1**) x4

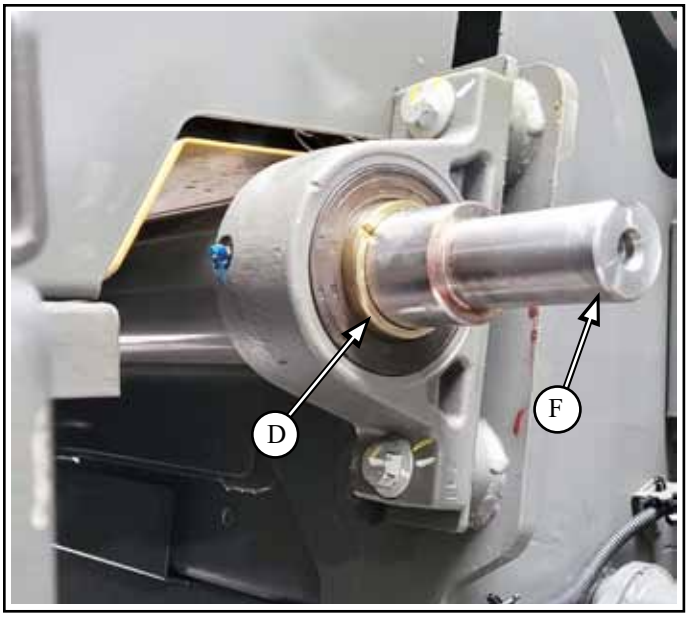


1.5.4 Install new drive sheave (**B**) and key (**C**) to back of drive sheave assy (**D**)

1.5.4.1 Tie sheaves together in order that they do not seperate on next step

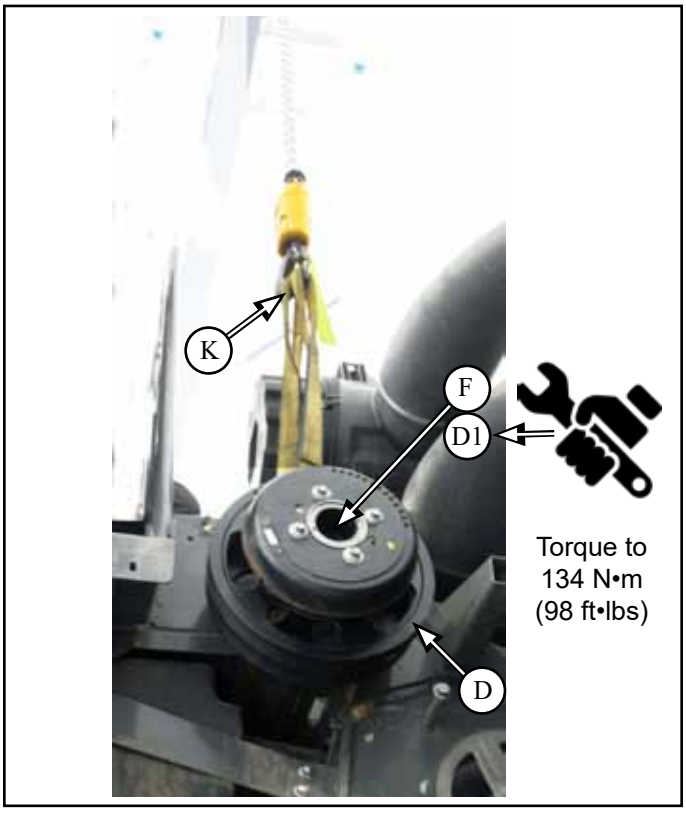


1.5.5 Slide spacer (**D**) onto drive shaft (**F**)

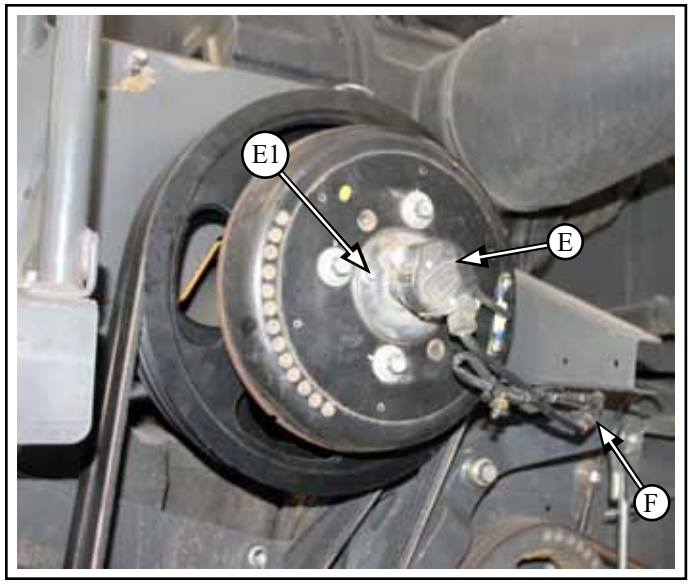


1.5.6 Install drive sheave assembly (**D**) onto upper drive shaft (**F**), with:
- reuse existing, key, bolt and washer (**D1**)
- apply thread locking compound (example: Locktite)
- Torque to 134 N*m (98 ft*lbs)

Heavy!
Use Lifting Device (**K**)!



1.5.7 Install OEM clutch electrical assembly (**E**) onto clutch cover plate assembly (**F**), with:
- reuse existing hardware (**E1**) x4

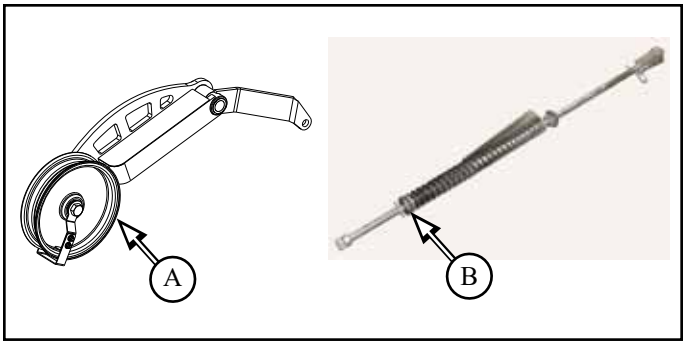


1.5.7.1 Connect clutch electrical connector (**F**) to main harness

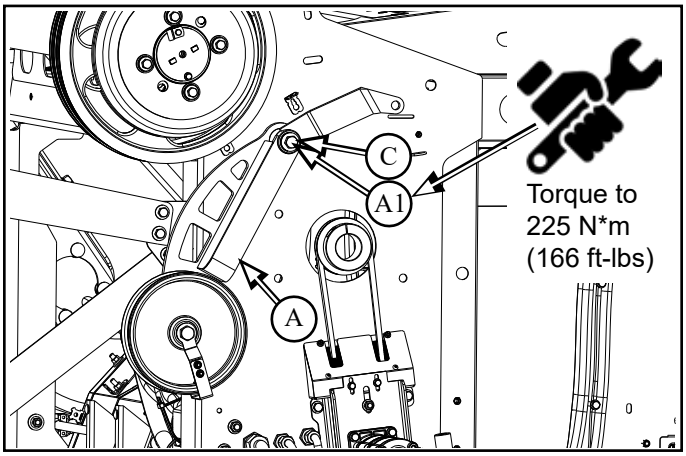
1.6 Idler Arm SCU Belt Tensioner Assy Installation

Parts List:

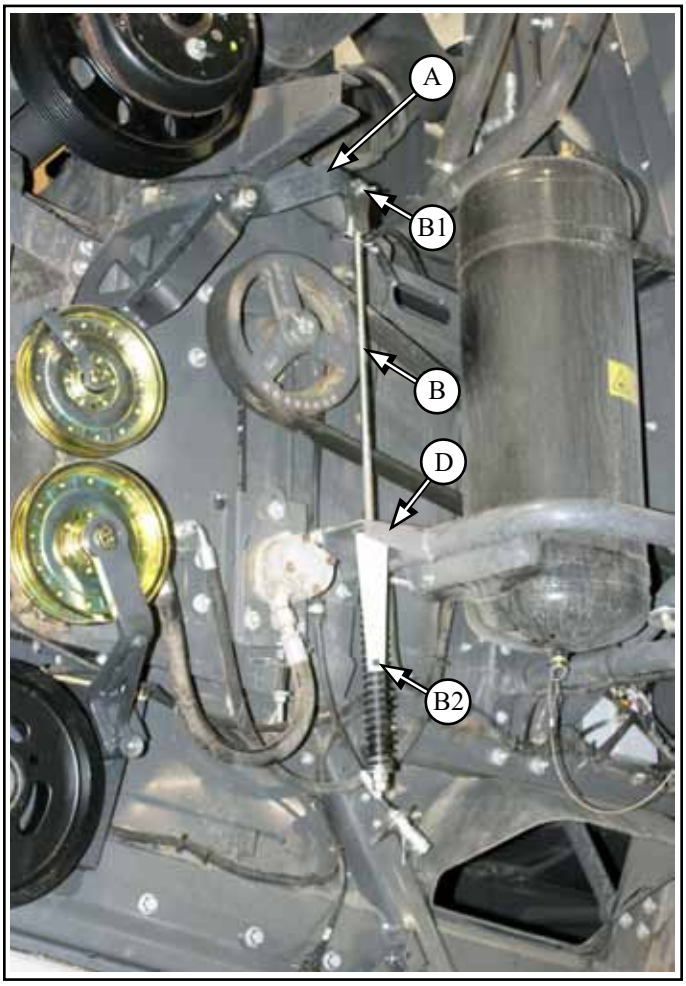
AF132CA Idler Arm SCU Belt Tensioner Assy (**A**) Qty 1
OEM Belt Tensioner Rod Assembly (**B**) Qty 1



1.6.1 Install idler arm SCU belt tensioner assy (**A**) onto shaft (**C**), with:
- reuse hardware (**A1**)
- apply blue threading locking compound
- torque to 225 N*m (166 ft-lbs)



1.6.2 Install OEM belt tensioner rod assembly (**B**) through bracket (**D**) and attach to belt tensioner assembly (**A**), with:
- reuse existing pin (**B1**)
- reassemble spring, indicator and hardware (**B2**) on bottom side of bracket (**D**)



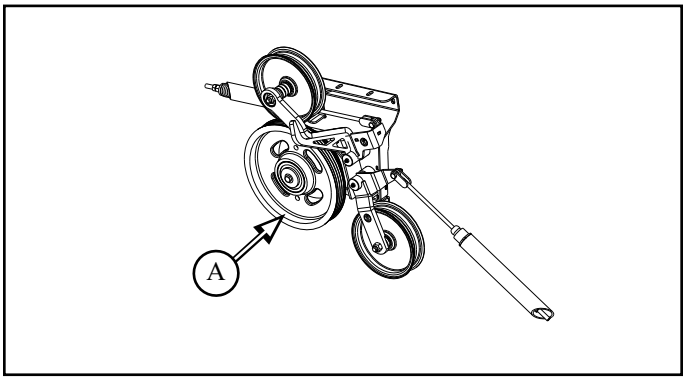
1.7 Install Straw Chopper at this point if it has not been installed yet
- refer to Straw Chopper Installation Manual AF002-01

1.8 Jackshaft Installation

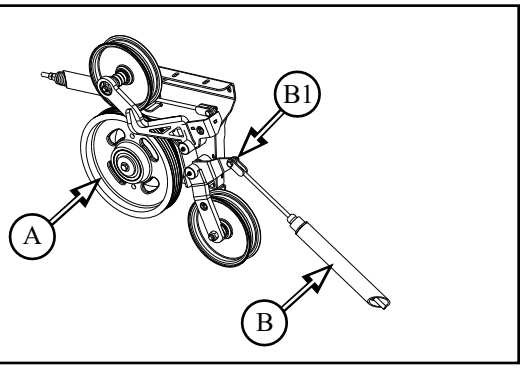
**** Required for SCU installation only ****

Parts List:

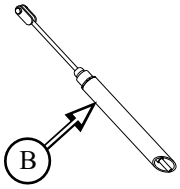
AF128CA	Jackshaft Assy (**A**)	Qty 1
	Tensioner (**B**)	



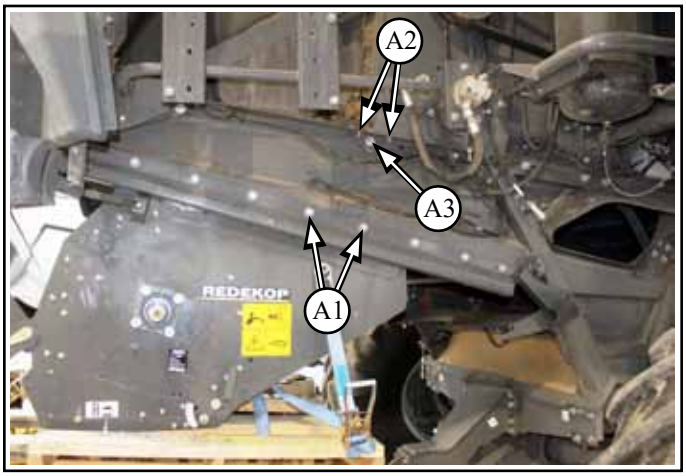
1.8.1 Remove spring tension rod assembly (**B**) from jackshaft (**A**)
- to be reinstalled



1.8.1.1 Remove hardware (**B1**)
- to be reused

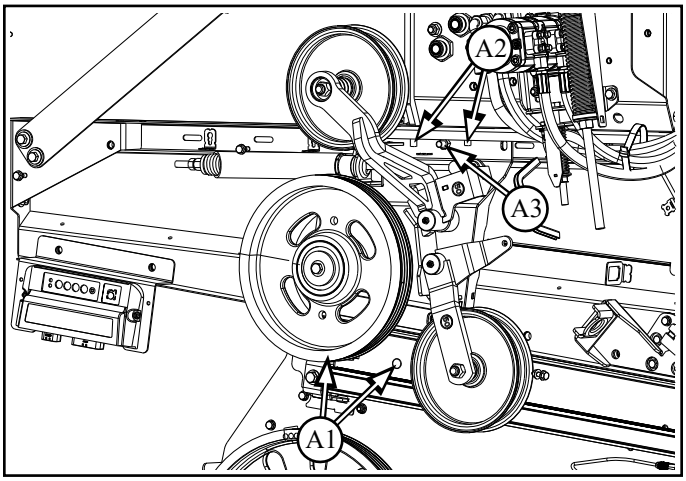


1.8.2 Remove hardware (**A1**) x2 from right rail, upper flange (**A2**) x2 and (**A3**) for jackshaft installation
- to be reused

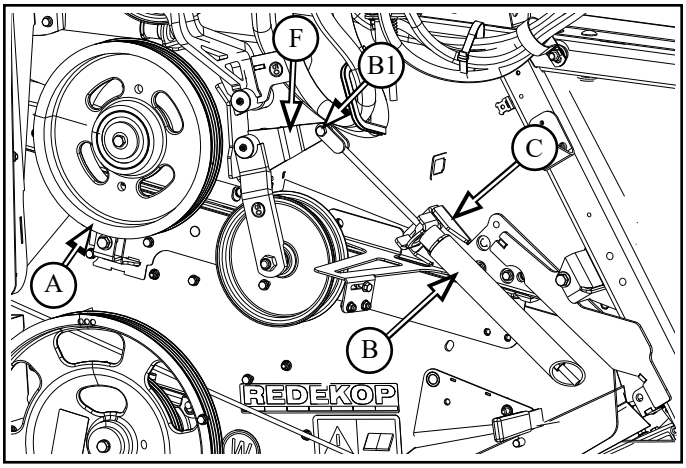


1.8.3 Install jackshaft (**A**) onto right rail where hardware has been removed, with:
- reuse hardware (**A1**) x2, (**A2**) x2 and (**A3**)
- do not tighten at this stage

1.8.3.1 Tighten hardware with the following procedure:
- draw up bolts (**A2**) until jackshaft flange is contacting flange on combine frame
  - do not tighten
- draw in bolts (**A1** & **A3**) until jackshaft is flush to sidewall
  - tighten
- tighten bolts (**A2**)



1.8.6 Install spring tensioner assembly (**B**) thru belt tensioner bracket (**C**) back onto jackshaft tensioner arm (**F**), with:
- reuse hardware (**B1**)

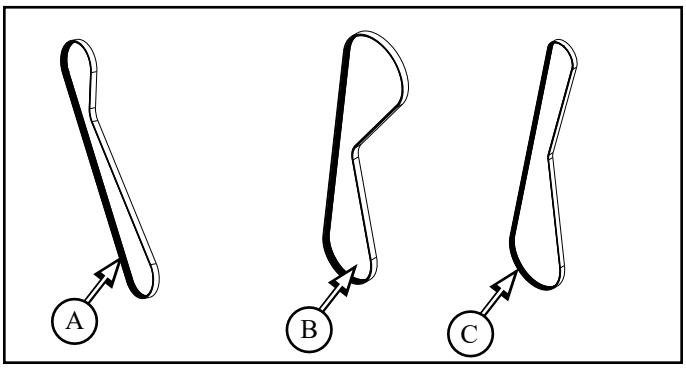


1.9 Drive Belt Installation
If a Straw Chopper is being installed, install chopper drive belt along with SCU drive belts

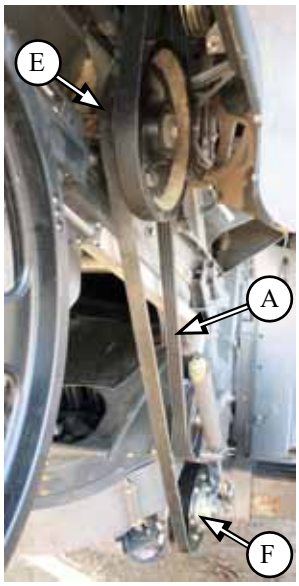
Parts List:

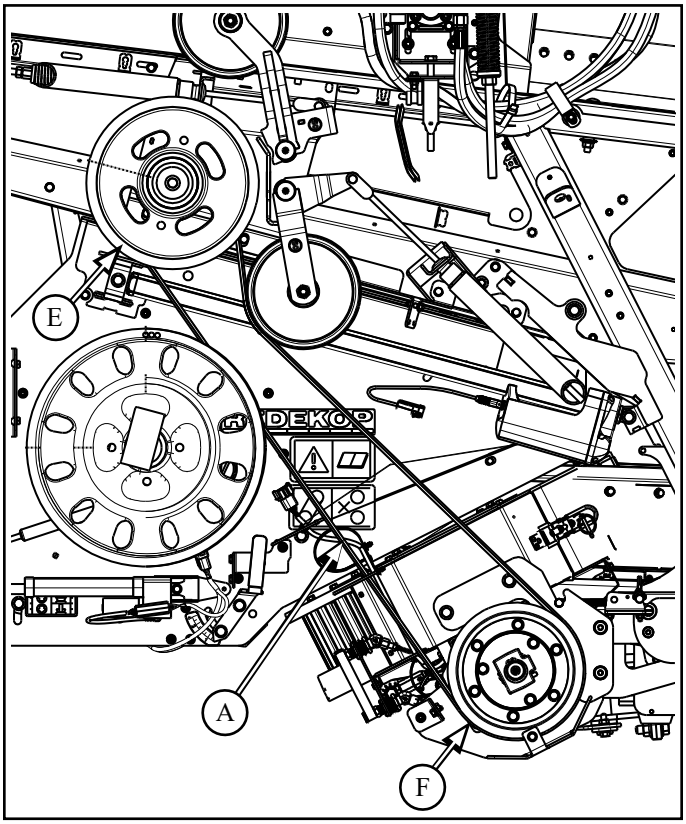
BE4M128K	4M 128L VBelt (**A**)	Qty 1
BE4M144K	4M 144L VBelt (**B**)	Qty 1
BE4M180K	4M 180L VBelt (**C**)	Qty 1

(chopper drive belt - located with chopper bundle)

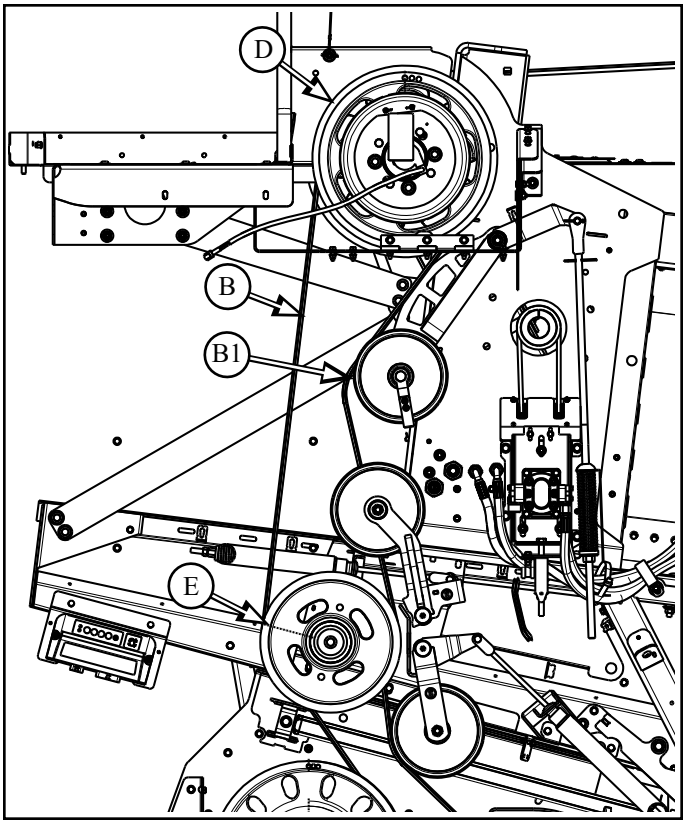


1.9.1 Install SCU drive belt BE4M128K (**A**) onto SCU sheave (**F**) and jackshaft sheave (**E**) grooves closest to combine wall

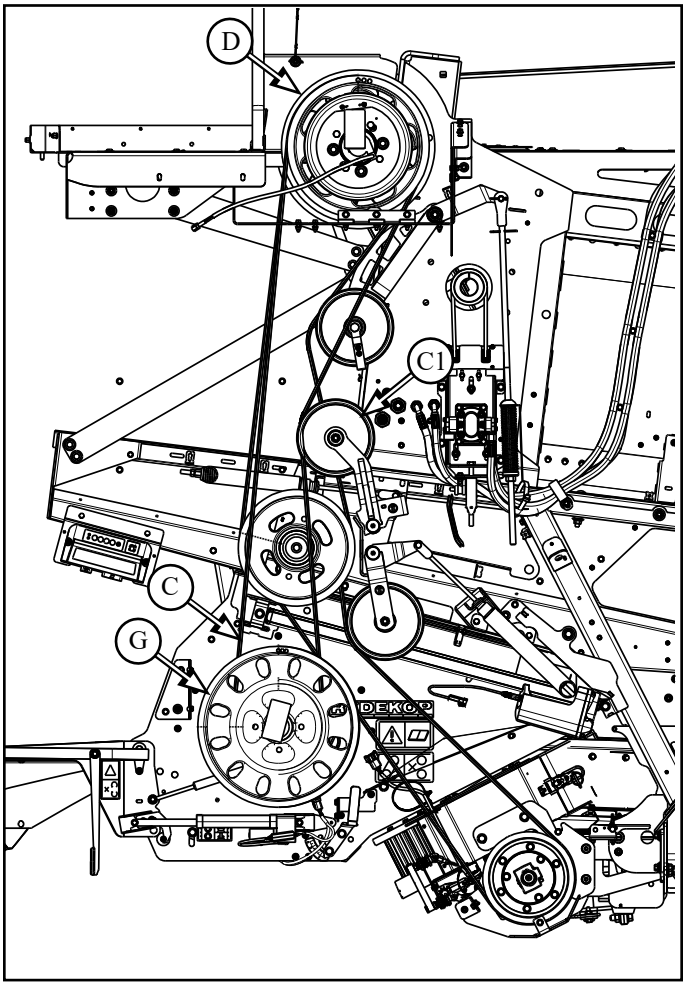




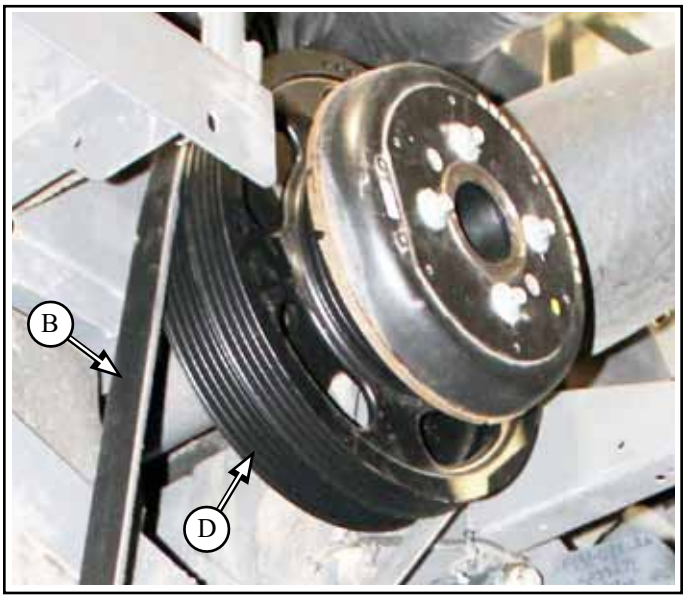
1.9.2 Install jackshaft drive belt BE4M144K (**B**) onto upper drive sheave (**D**) and jackshaft sheave (**E**)
- ensure to route along belt tensioner pulley (**B1**)

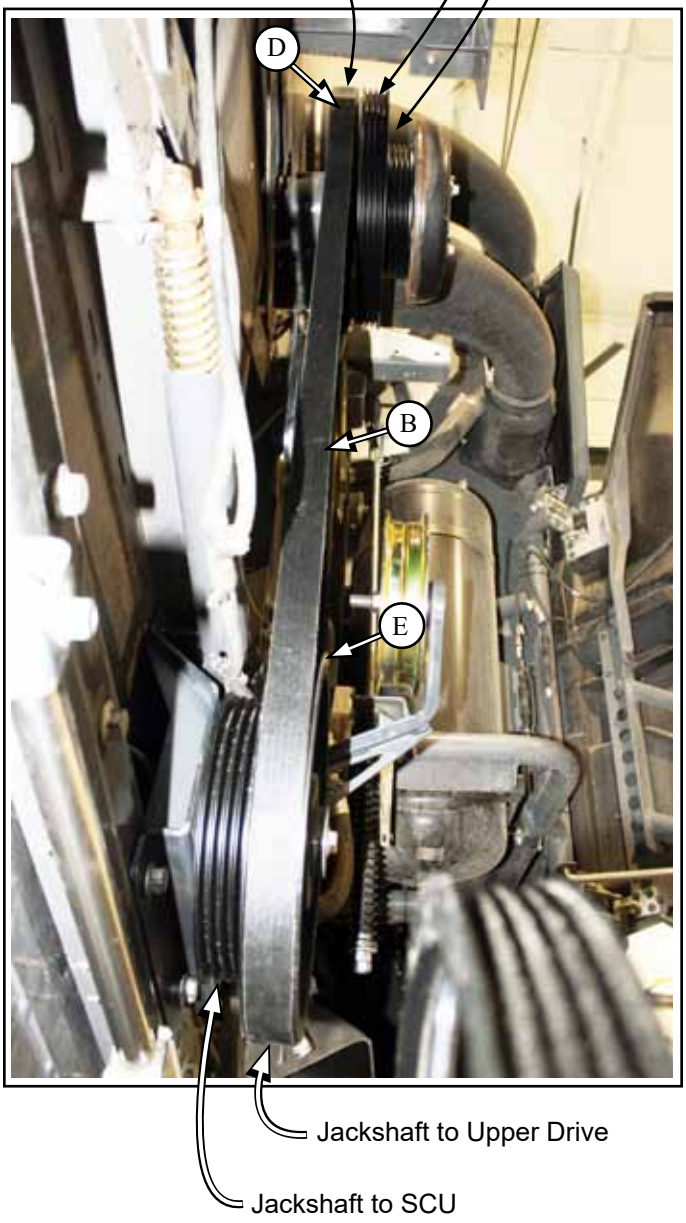


1.9.3 Install chopper drive belt BE4M180K (**C**) onto upper drive sheave (**D**) and chopper sheave (**G**)
- ensure to route along belt tensioner pulley (**C1**)
- ensure chopper drive belt (**C**) is on middle set of grooves on upper sheave (**D**) for chopper high speed and smaller set of grooves on chopper sheave (**G**)



1.9.2.1 Ensure jackshaft drive belt (**B**) is on grooves closest to the combine wall on upper drive sheave (**D**) and outer most grooves on jackshaft sheave (**E**)

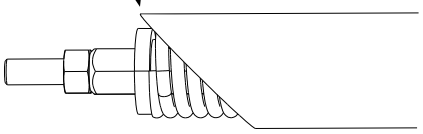


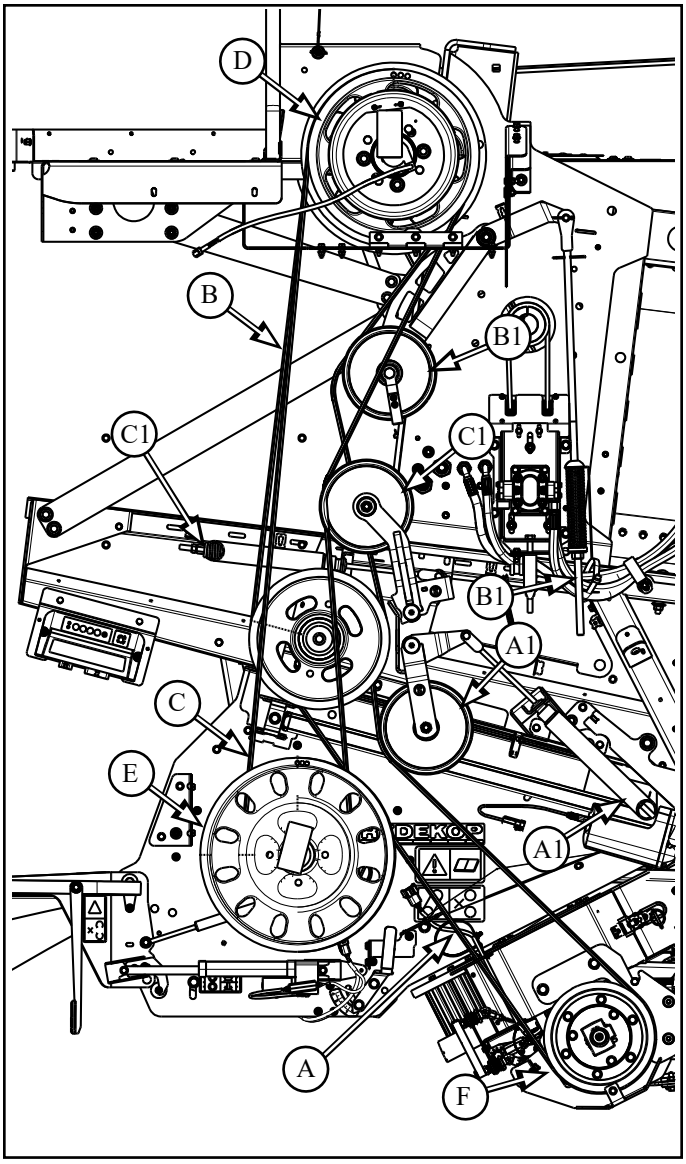


1.9.3.1 Tighten all belts (**A**,**B**,**C**) with belt tensioners (**A1**,**B1**,**C1**)
- tighten until springs are at indicators

Correct belt tension when:
Washer is lined up with slot in indicator bracket

Correct belt tension when:
Washer is lined up with tip of tension tube

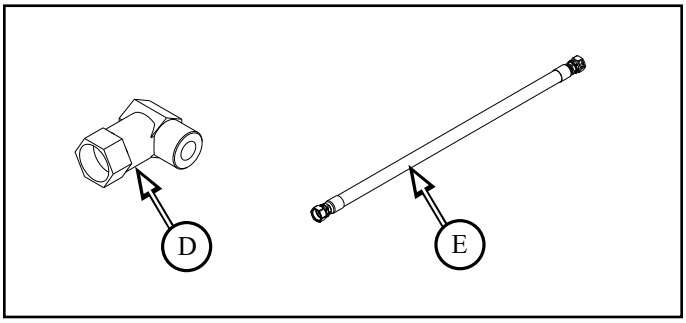




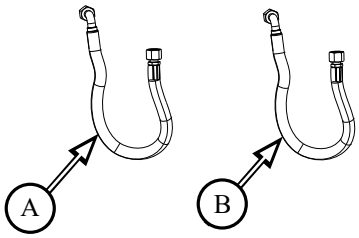
1.10 Hydraulics Modification

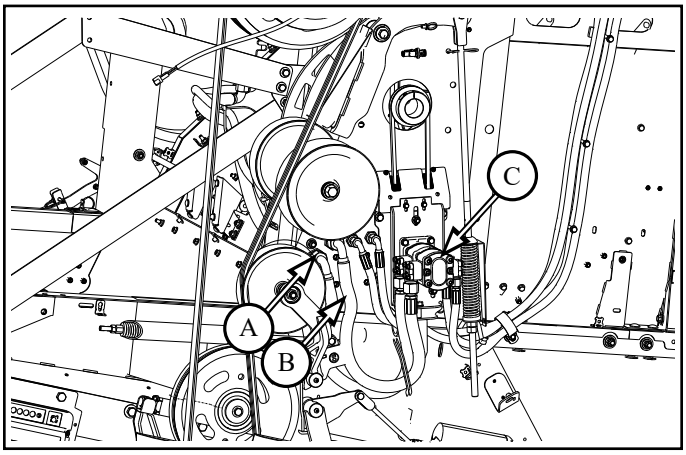
Parts List:

H38-1212FFX Fit Hyd 90 Deg (**D**)	Qty 2
HH188 Hyd Hose .75 X 34.5L (**E**)	Qty 2

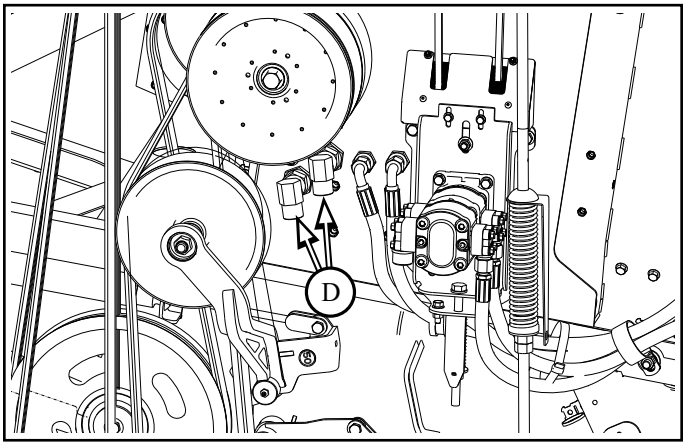


1.10.1 Remove existing hydraulic hoses (**A & B**) from hydraulic pump (**C**) and fittings on combine wall - not to be reused

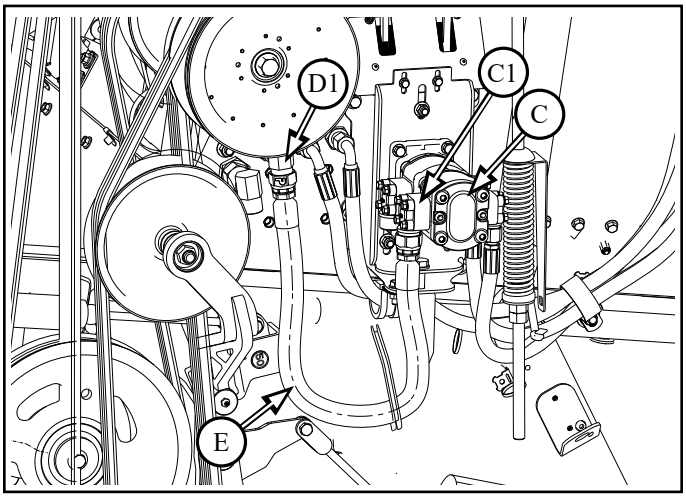




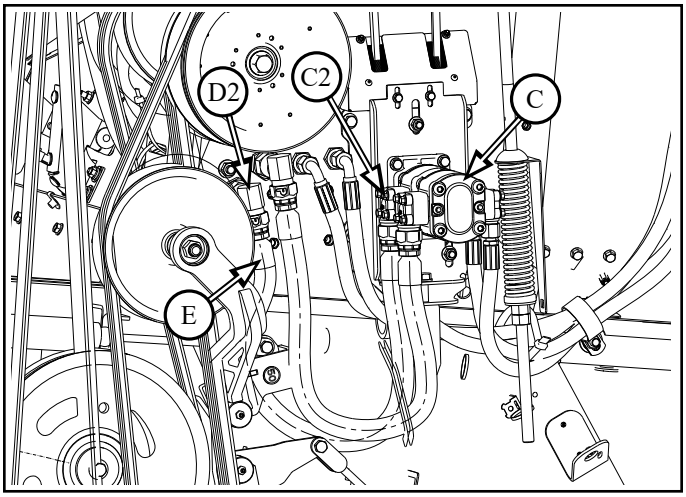
1.10.2 Install hydraulic fitting (**D**) x2 to fittings on combine wall



1.10.3 Install new hydraulic hose (**E**) to front hydraulic fitting (**D1**) on combine wall and then to most outside port (**C1**) on hydraulic pump (**C**)



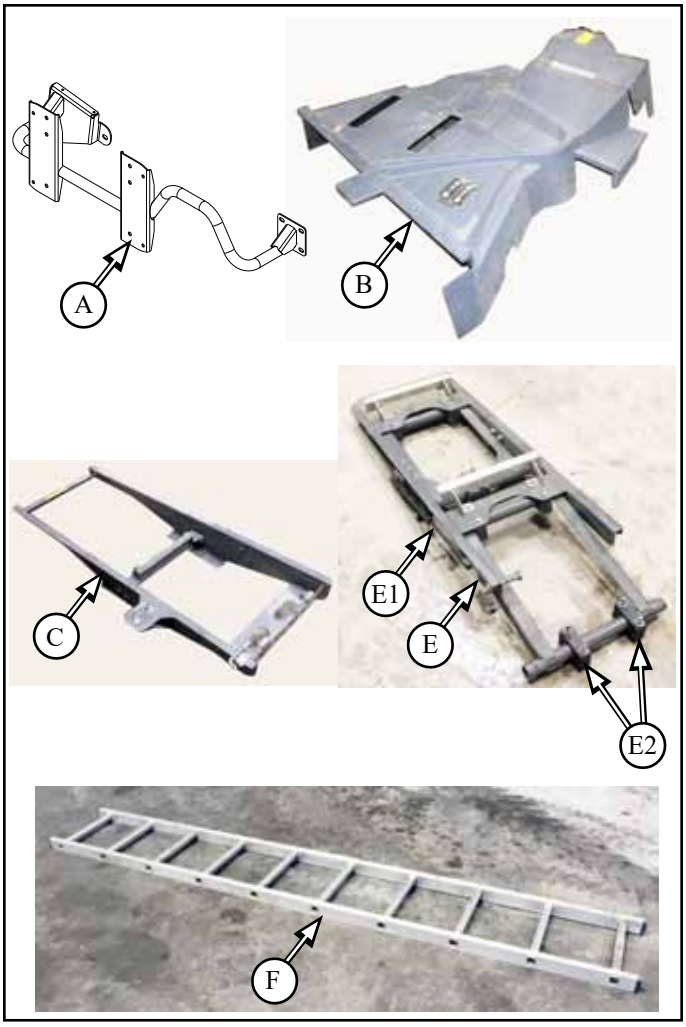
1.10.4 Install new hydraulic hose (**E**) to rear hydraulic fitting (**D2**) on combine wall and then to inside port (**C2**) on hydraulic pump (**C**)



1.11 Ladder Installation

Parts List:

AF165C	Ladder Mount Frame (**A**)	Qty 1
	OEM Ladder Shield (**B**)	Qty 1
	OEM Ladder Pivot Frame (**C**)	Qty 1
AF169CA	Stopper JS Adjustable Tensioner (**D**)	Qty 1
	OEM Ladder Frame (**E**)	Qty 1
	OEM Ladder (**F**)	Qty 1

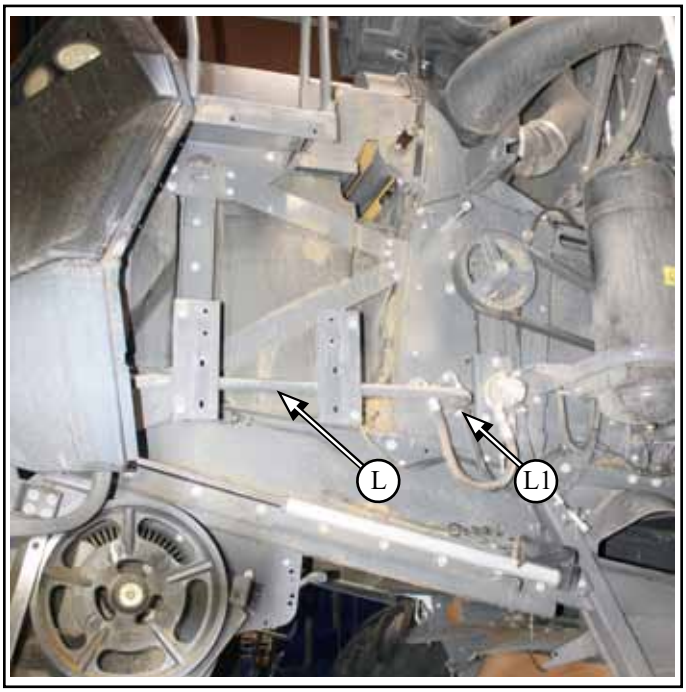


1.11.1 Ladder Mount Frame (**L**) removal

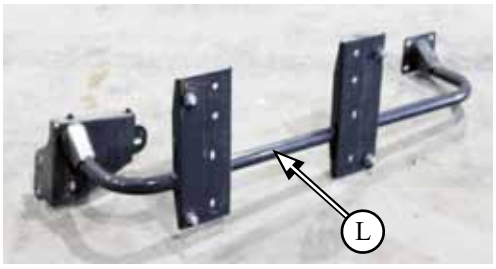
NOTE:
- If Straw Chopper is being installed, the ladder mount frame will have been removed in preperation for this installation, skip this section.

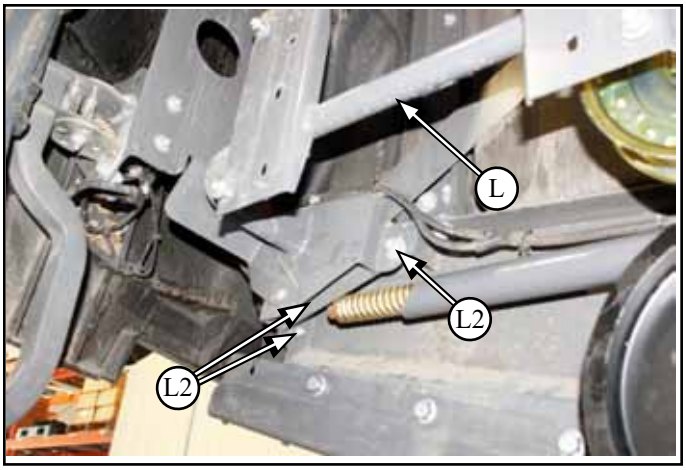
- If Straw Chopper is existing, follow the procedure below:

1.11.2 Remove front mounting hardware (**L1**) x4
- to be reused



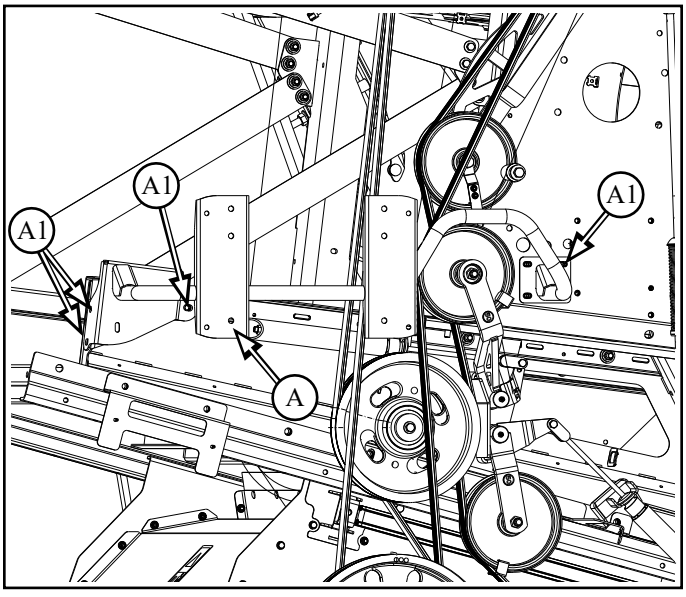
1.11.3 Remove rear mounting hardware (**L2**) x3
- frame not to be reused
- hardware to be reused



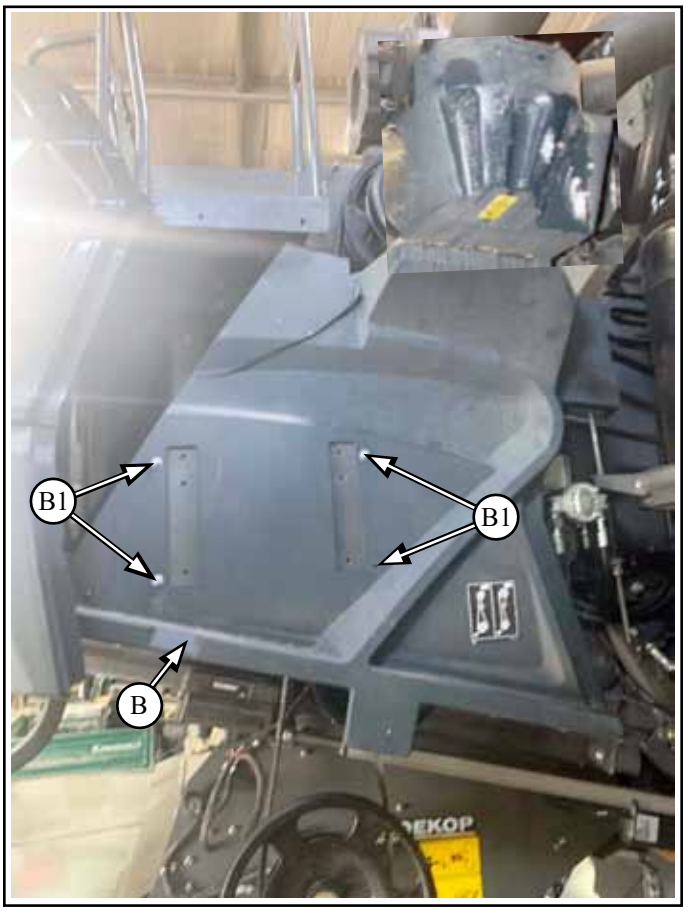


1.11.4 View with ladder mount frame removed

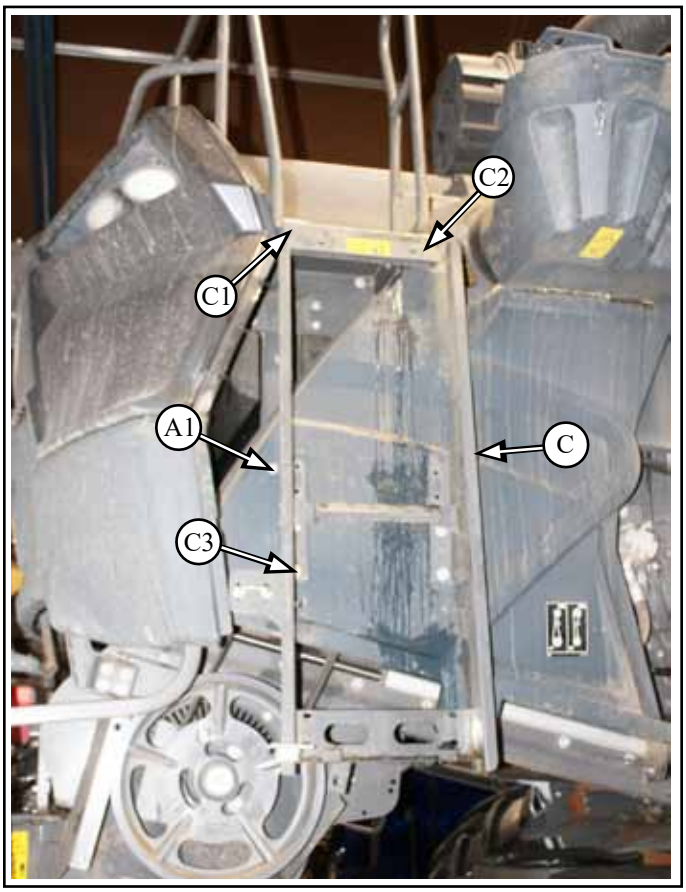
1.11.5 Install ladder mount frame (A) onto combine right wall in same location as previous one, with:
- reuse existing hardware (**A1**)



1.11.6 Install ladder shield (**B**) onto combine rear right wall over ladder mount bracket (**A**), with:
- reuse existing hardware (**B1**) x4



1.11.7 Install ladder frame (**C**) onto combine right wall, with:
- handrail connection (**C1**)
- top mounting bolts (**C2**)



1.11.8 Install pivot pillar blocks (**B2**) x2

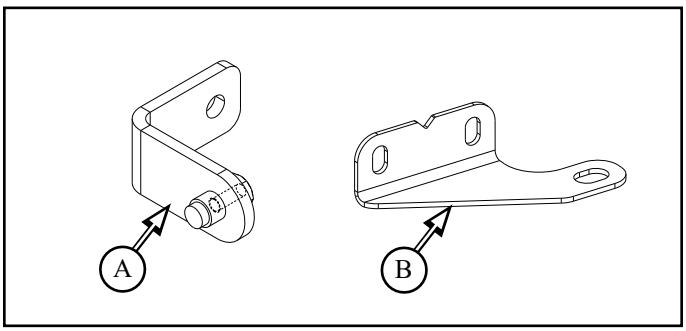
1.11.8.1 Install gas spring (**B1**) x2 to frame

1.11.8.2 Install ladder pivot frame (**B**)

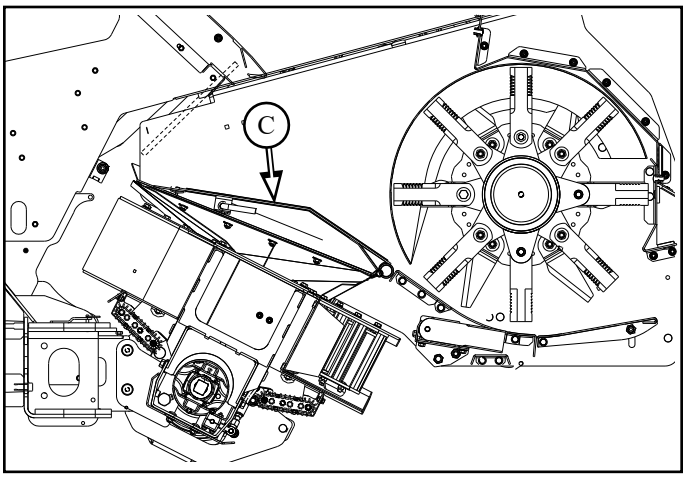
1.11.8.3 Install ladder (**F**) onto combine
- place onto brackets

1.12 Sensor Bracket Installation

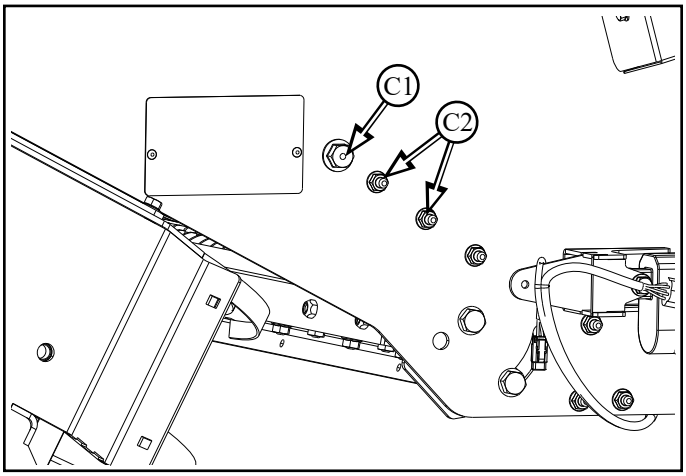
Parts List:
CD740CA Proximity Sensor Tab Assemlby (**A**) Qty 1
SC846C Chaff Door Sensor Mt Bracket (**B**) Qty 1



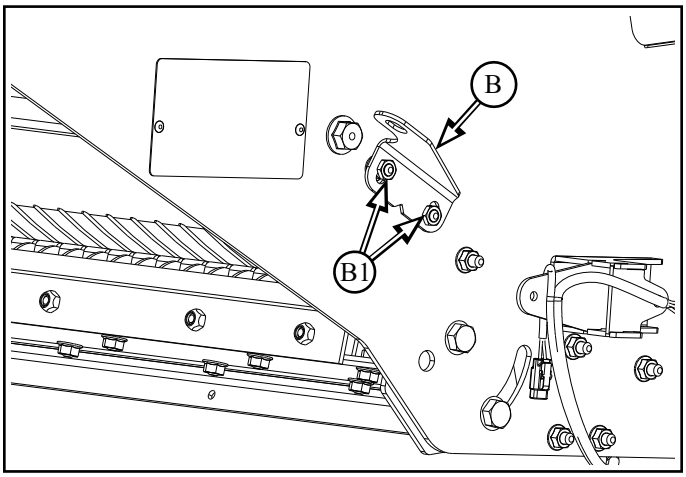
1.12.1 Position door (**C**) into By Pass mode



1.12.2 Install chaff door sensor mount bracket (**B**) to bolts (**C2**) x2

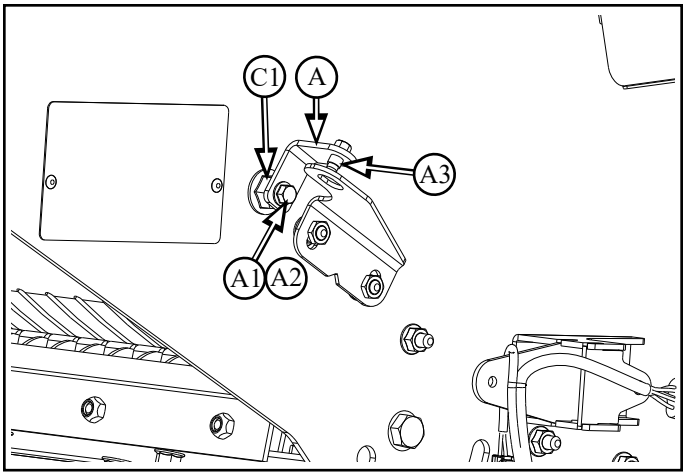


1.12.2.1 with:
- M8 jam lock nut (**B1**) x2



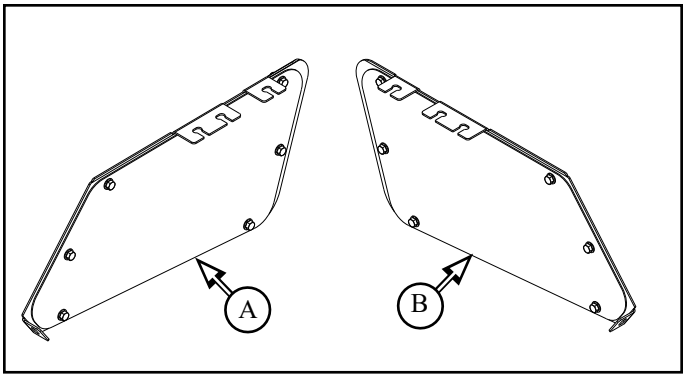
1.12.3 Install proximity sensor tab assembly (**A**) to door mounting bolt with hole (**C1**), with:
- M6 x 16 flange head bolt (**A1**)
  - apply blue thread locking compound (**A2**) to secure bolt (**A1**) in place

1.12.3.1 Align magnet (**A3**) to SCU sensor (**A4**) once sensor is installed

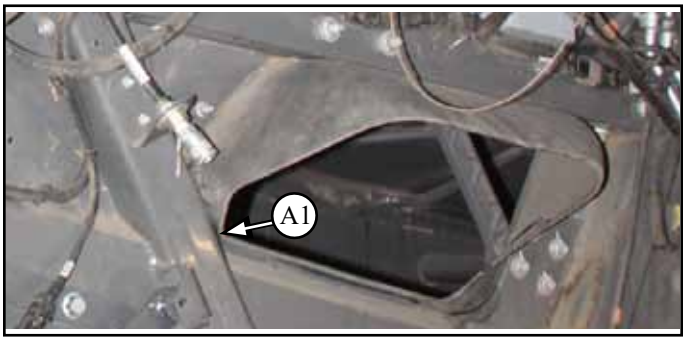


1.13 Vent Cover Install

Parts List:
AF258CAR Fendt Vent Mount Plate RH Assy (**A**) Qty 1
AF258CAL Fendt Vent Mount Plate LH Assy (**B**) Qty 1

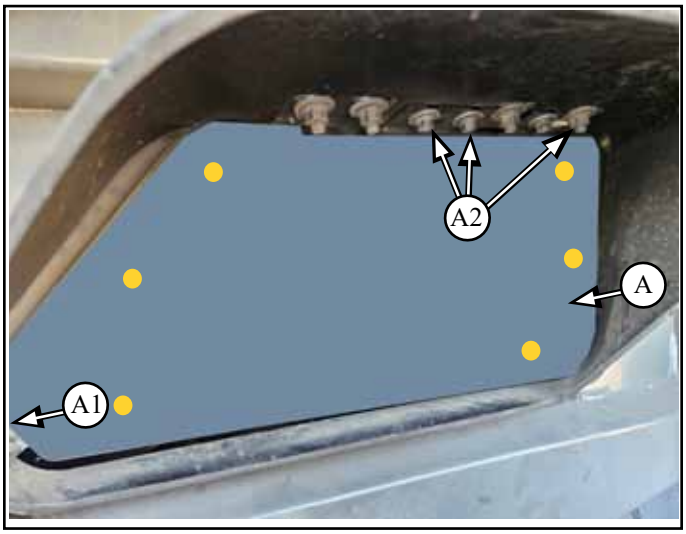


1.13.1 Remove OEM rear vent hardware (**A1**) and loosen top OEM vent hardware (**A2**) x3
- hardware to be reused
- do not remove vent
- both sides



1.13.2 Install right vent cover (**A**) from inside of combine, with;
-reuse OEM hardware (**A1** & **A2**)

1.13.3 Repeat for right side

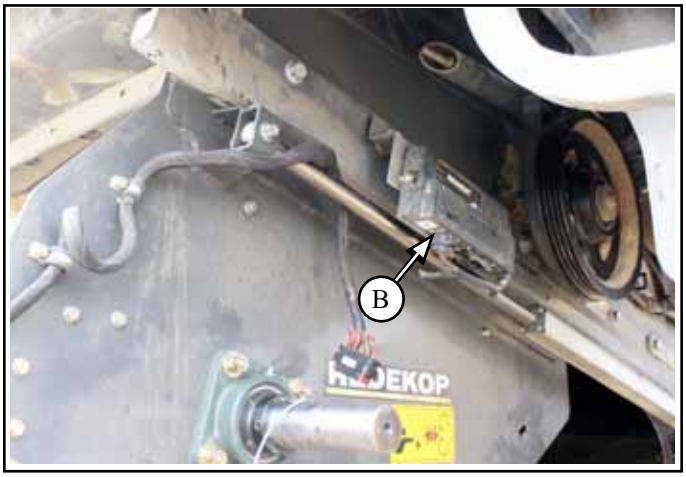


2 Electronics Installation

2.1 ECU Installation

NOTE:
- If Straw Chopper with actuated tailboards has been installed, the ECU (B) will have been installed

- If Straw Chopper is new, follow the procedure for ECU (B) installation through the chopper installation manual



2.2 ECU Power/Cab Harness Installation

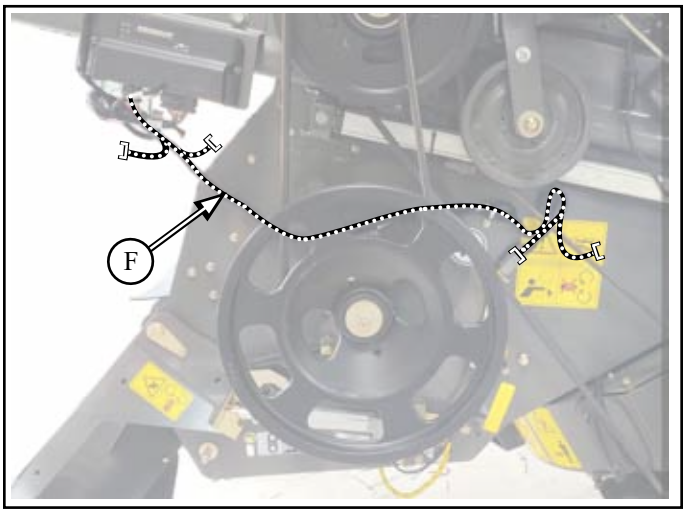
NOTE:
- If Straw Chopper with actuated tailboards has been installed, the ECU and Power/Cab harness (C) will have been installed

- If Straw Chopper is new, follow the procedure for ECU Power/Cab Harness (C) installation through the chopper installation manual

2.3 ECU/Chopper Harness Installation

NOTE:
- If Straw Chopper has been installed, the ECU/ Chopper harness (F) will have been installed

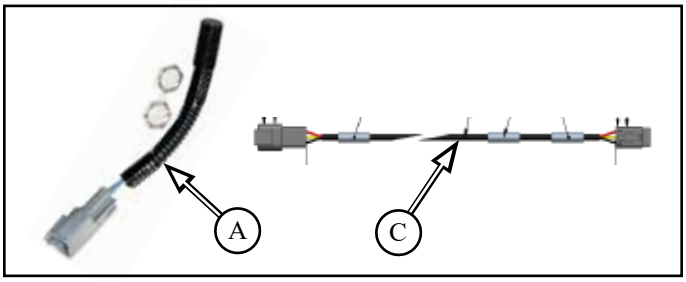
- If Straw Chopper is new, follow the procedure for ECU/Chopper Harness (F) installation through the chopper installation manual



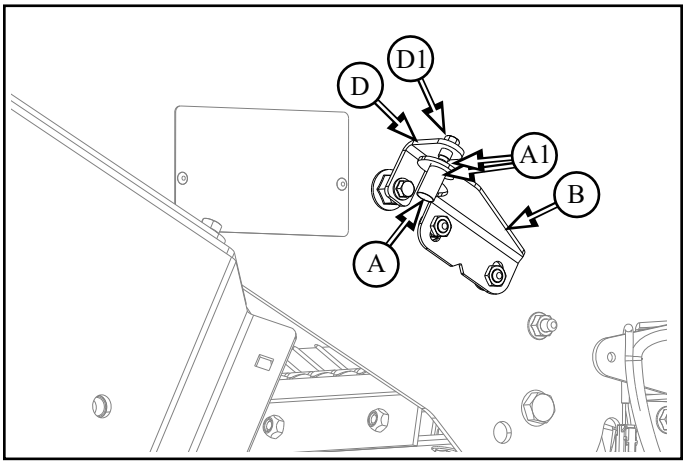
2.4 Proximity Sensor Installation

Parts List:

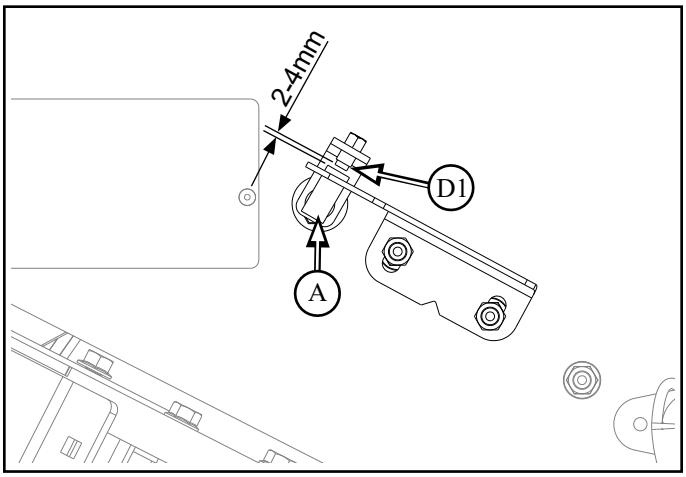
RP1125	Proximity Sensor (**A**)	Qty 1
RP1401	Door Position Harness (**C**)	Qty 1



2.4.1 Install proximity sensor (**A**) to mount bracket (**B**), with:
- supplied nuts (**A1**) x2, 1 on each side of plate
- align with magnet (**D1**) on proximity sensor tab assembly (**D**)

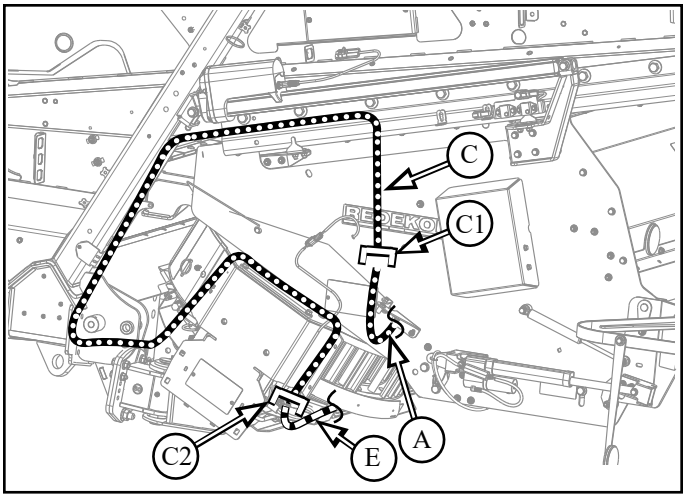


2.4.1.1 Space proximity sensor (**A**) to magnet (**D1**) 2-4mm



2.4.2 Connect door position harness (**C**) to proximity sensor harness (**A**) at connector (**C1**)

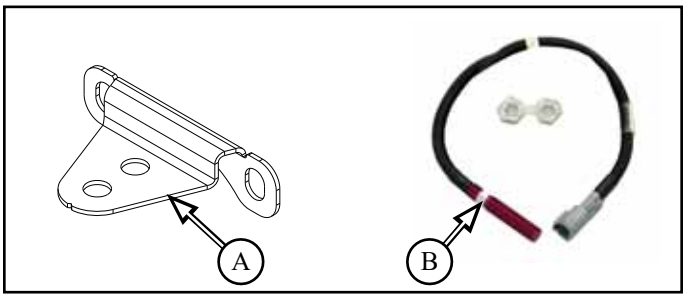
2.4.3 Run harness up along side of chopper to rail, then forwards to pillar, down and over pivot arm, up and over SCU side plate, down and connect to SCU harness (**E**) at connector (**C2**)



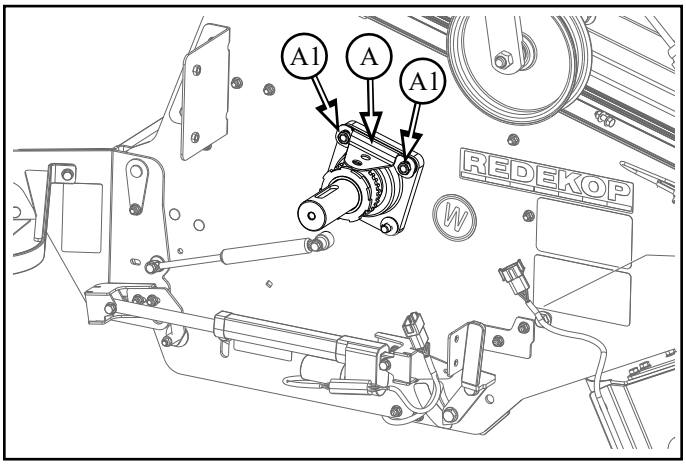
2.5 Speed Sensor Installation

Parts List:

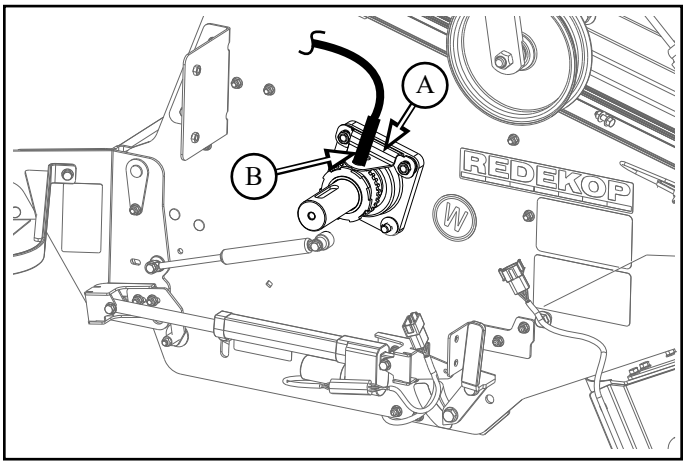
CS833Z	Sensor Mount Bracket (**A**)	Qty 1
RP1124	Speed Sensor (**B**)	Qty 1



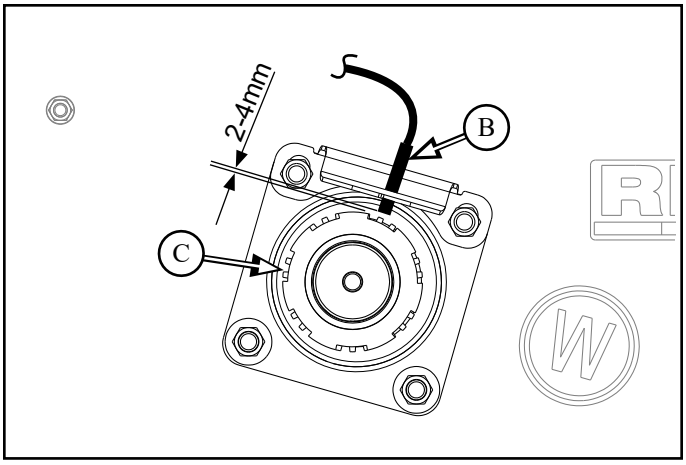
2.5.1 Install sensor mount bracket (**A**) to top bearing bolts on right side of chopper, with:
- M12 jam nut (**A1**) x2



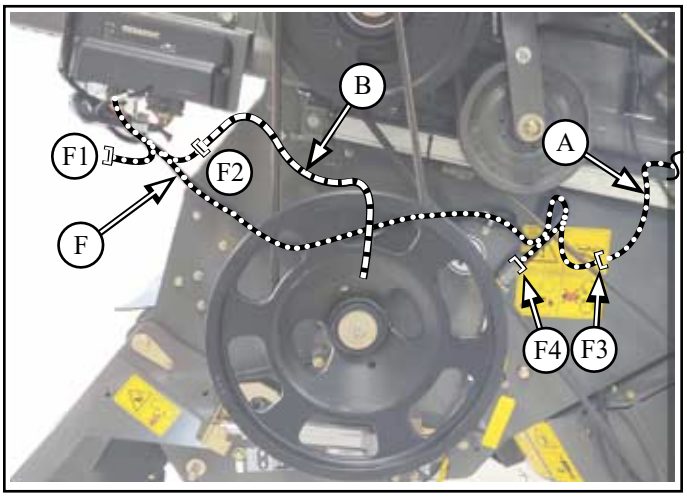
2.5.2 Install speed sensor (**B**) to mount bracket (**A**) in outside hole, with:
- supplied jam nut (**B1**) x2



2.5.3 Space speed sensor (**B**) to target (**C**) 2-4mm

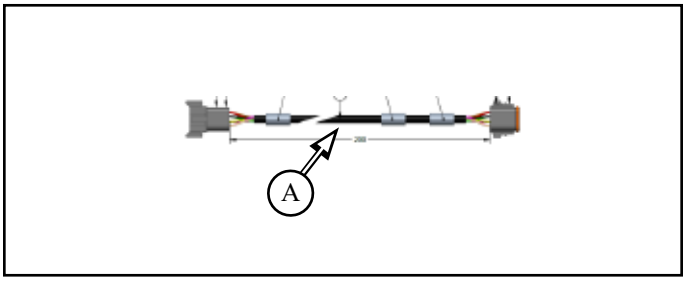


2.5.4 Connect speed sensor harness (**B**) to ECU harness (**F**) at connector (**F2**)



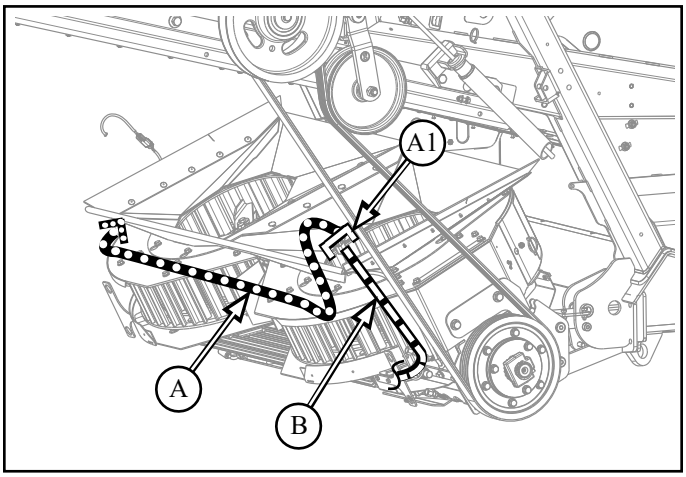
2.6 ECU Extension Harness Installation

Parts List:
RP1400 ECU Extension Harness (**A**) Qty 1

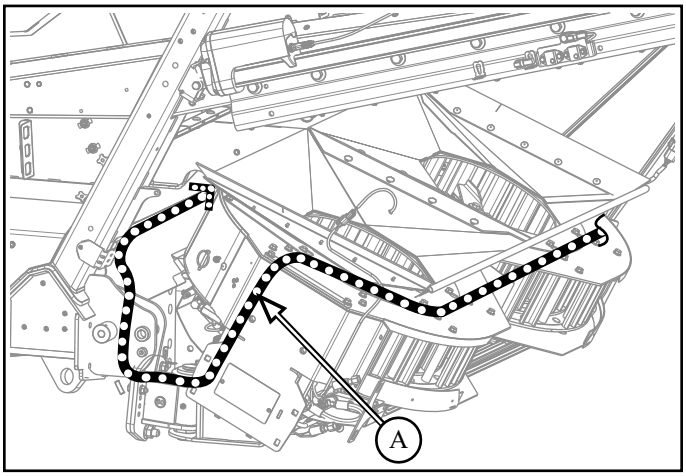


2.6.1 Connect ECU extension harness (**A**) to ECU harness (**B**) at connector (**A1**)

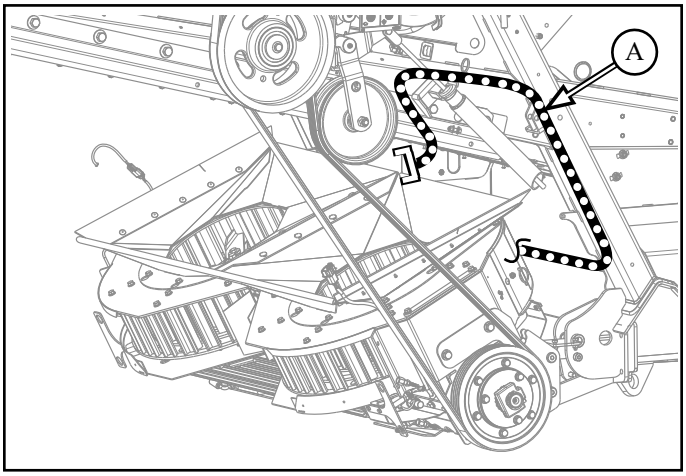
2.6.2 Run harness on top of stators to left side



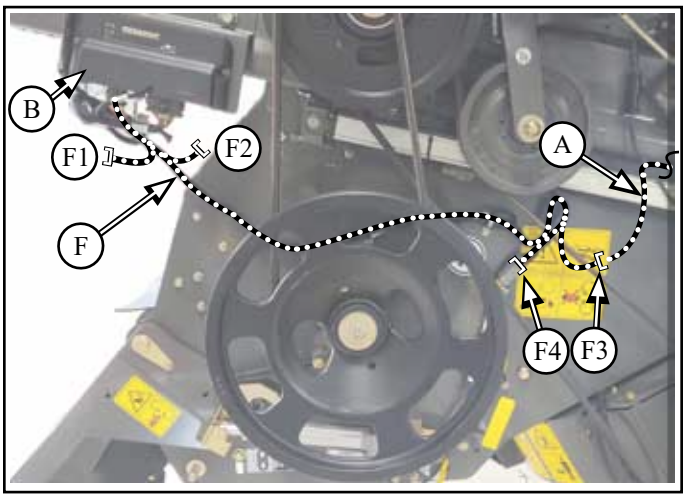
2.6.3 Run harness from top of stators, down left side plate, over pivot arm, up and forward to rear axle, along top of rear axle to right side



2.6.4 Run harness from top of rear axle, up along pillar, along side rail rearwards



2.6.5 Connect harness (**A**) to ECU harness (**F**) at connector (**F3**)



2.7 Ensure all harnesses are secure to brackets, harnesses or hydraulic lines with nylon wire ties or cable clamps

2.8 Ensure all harnesses have enough free length to allow full range of chopper sliding up and down and SCU pivoting around.
- harnesses or connectors will break otherwise

3 Software Codes

3.1 Tablet Software Codes

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 dispay in center of screen.

SCU Code: 53235

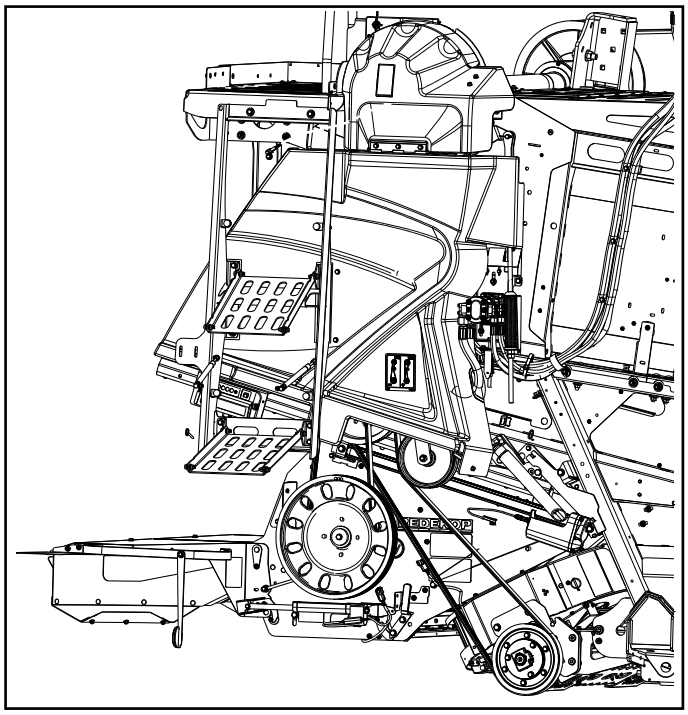
Tailboard Actuator Code: 22114

Option now states “Installed”

4 Ladder, Frame and Shield Installation

4.1 Ladder, frame and shield installation

4.1.1 Install ladder, frame and shields as documented in chopper installation manual

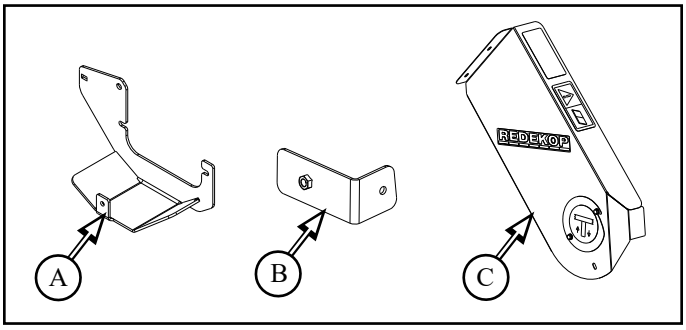


5 Shield Installation

5.1 SCU Drive Shield Installation

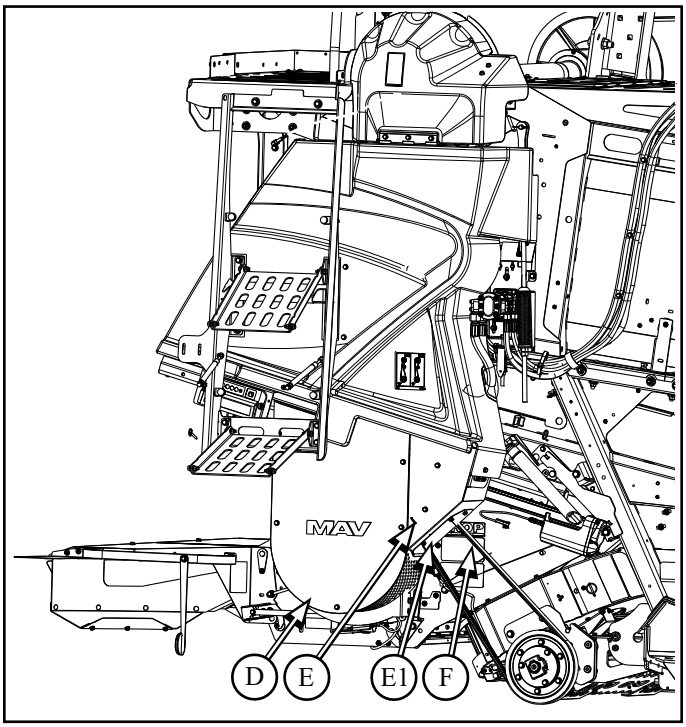
Parts List:

AF198C	SCU Bottom Guard (**A**)	Qty 1
AF199C	Lower Shield Support (**B**)	Qty 1
AF194CA	SCU Drive Shield (**C**)	Qty 1

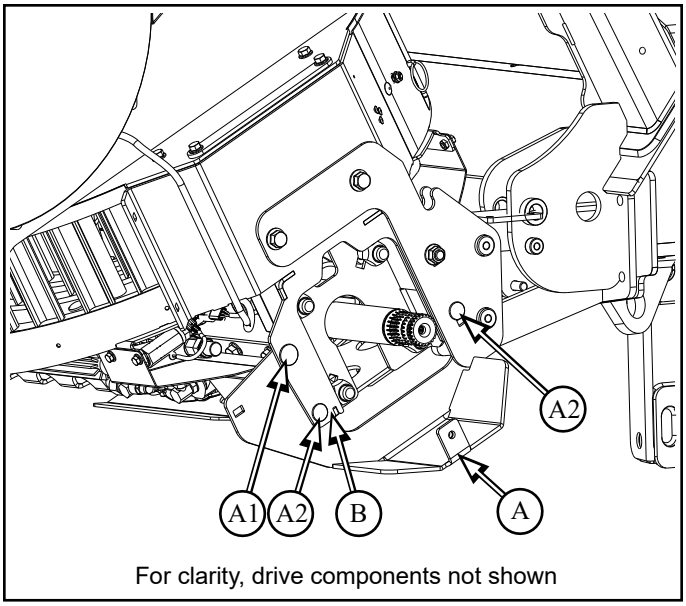


5.1.1 Install chopper drive shields (**D** & **E**) as documented in chopper installation manual

5.1.1.1 Remove shield cover plate (**E1**) to install shield (**E**) over drive belt (**F**)

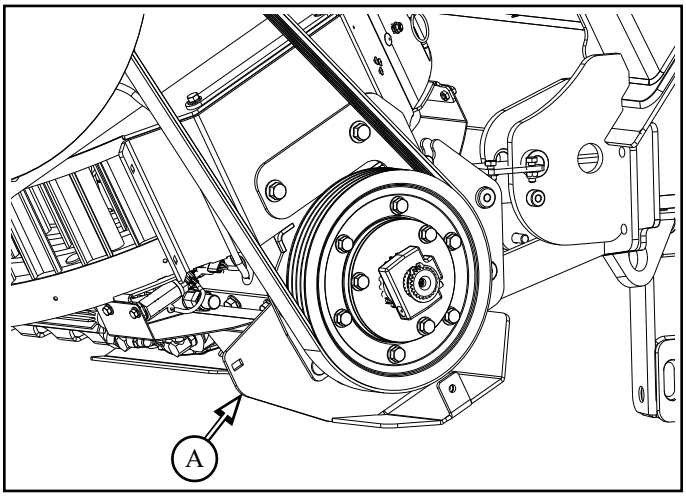


5.1.2 Install SCU bottom guard (**A**) to backside of end plate (**B**), with:
- M12 x 25 round head bolt and flange nut (**A1**)
- M10 x 25 round head bolt and flange nut (**A2**) x2

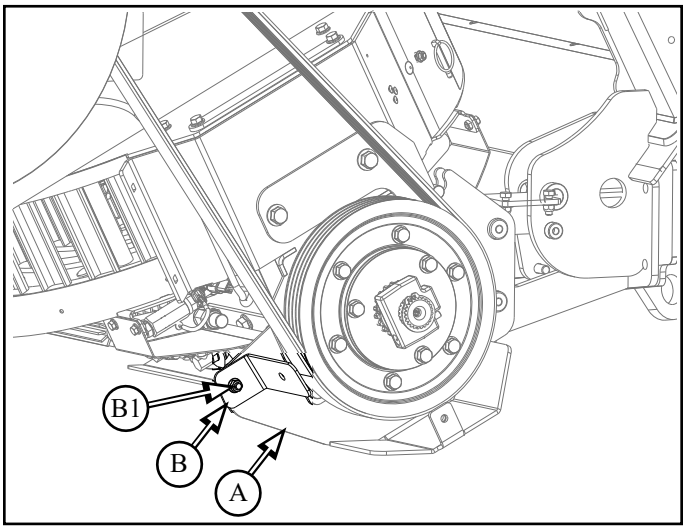


For clarity, drive components not shown

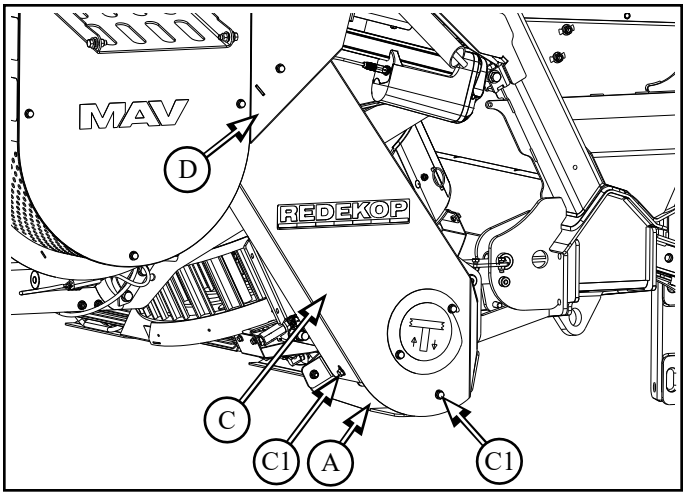
5.1.2.1 View with SCU bottom guard (**A**) installed

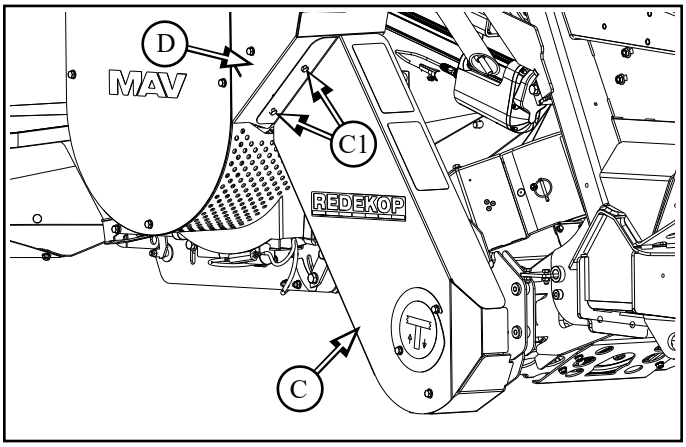


5.1.3 Install lower shield support (**B**) to SCU bottom guard (**A**), with:
- M8 x 20 round head bolt and flange nut (**B1**)



5.1.4 Install SCU drive shield (**C**) to SCU bottom guard (**A**) and chopper drive shield (**D**), with:
- M8 x 16 flange head bolt (**C1**) x4





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)
M16 - flanged	231 / (171)	331 / (244)
- non flanged	210 / (155)	301 / (222)

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:

EQR002

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