

REDEKOP™

MAV CHOPPER

CASE IH AFX

230, 240 & 250 SERIES

INSTALLATION MANUAL

PRODUCT NUMBER: 220-213W

CS0377-01_R6



Case IH AFX 230, 240 & 250 Series

Complete 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 Air Tank Removal / Relocation	
Drain Air Tank	1.1
Disconnect Air Tank	1.2
Air Tank Removal	1.3
Air Fitting Relocation	1.4
Air Tank Mount Bracket Installation	1.5
Air Hose Installation	1.6
2 DEF Tank Relocation Preparation 230/240S	
Drain DEF Tank	2.1
Corner Panel Removal	2.2
Rear Support Arm Removal	2.3
Rear Support Bracket Removal	2.4
Prepare DEF Lines	2.5
Remove Left Fuel Tank	2.6
3 DEF Tank Relocation 230/240S	
DEF Tank Installation	3.1
DEF Ventilation Bracket Mount Installation	3.2
Arm Panel Latch Installation	3.3
Bracket Panel Lock Installation	3.4
Existing DEF Harness Re-attachemnt	3.5
Plastic Cable Loom Installation	3.6
240 Series DEF Line Extension	3.7
DEF Tank Fill Tube Relocation	3.8
Rear Left Light Components Installation	3.9
4 Hydraulic Line Modifications	
Hydraulic Line Changes at PTO	4.1
Return Line Changes - if equipped with Hyd Knifebar Valve	4.2
Return Line Changes - if not equipped with Hyd Knifebar Valve	4.3
5 Sieve Extension Installation	
Sieve Extension Installation	5.1
6 Chaff and Internal Deflectors	
Internal Deflector Installation	6.1
Chaff Deflector Installation	6.2

continued next page

Case IH AFX 230, 240 & 250 Series

Complete Redekop MAV Chopper Installation Manual

Table of Contents

	<u>Section</u>
7 AFX Ladder Installation	
Ladder Mount Installation	7.1
AFX 120 Series Roof Upgrade	7.2
Front Bracket Subwall Mount Installation	7.3
Ladder Lift Arm Lever Installation	7.4
Factory Ladder Installation	7.5
Straw Door Linkage Bracket Installation	7.6
Top Ladder Step Installation	7.7
Gas Spring Installation	7.8
Door Proximity Sensor Bracket Installation	7.9
Ladder Wall Panel Installation	7.10
Ladder Handle Assembly Installation	7.11
Bottom Ladder Step Installation	7.12
8 Straw Door Installation	
Straw Door Assembly Installation	8.1
Straw Door Adjustment and Actuator Configuration	8.2
Straw Door Sensor Target Installation	8.3
Top Filler Plates Installation	8.4
9 Chopper Installation	
Gusset Removal	9.1
Chopper Installation	9.2
Ladder Proximity Sensor Mount Plate Installation	9.3
Rotor Blade Clearance Inspection	9.3
10 Chopper Drive Jackshaft Installation	
Sheave AFX PTO M Driver Installation	10.1
Top Jackshaft Support Gusset Installation	10.2
Jackshaft 6M Installation	10.3
Spring Tensioner Assembly Installation	10.4
Drive Belts Re-Installation	10.5
Speed Sensor Installation	10.6
Knifebar Engagement Limiting Bracket Installation	10.7
SCU & Windrow Hydraulics Installation	10.8
11 Tailboard	
Gas Shock and Actuator Installation	11.1
OEM Spreader Harness and Actuator Extension Harness Installation	11.2
Attaching to Tailboard Actuators	11.3
Actuated Tailboard Calibration	11.4
Tailboard Manual Control	11.5
Wide Spread Scooped Fin Installation	11.6
Harness Extension Installation	11.7
Tailboard Guard Installation	11.8
Windrow Fin Installation	11.9

Case IH AFX 230, 240 & 250 Series

Complete Redekop MAV Chopper Installation Manual

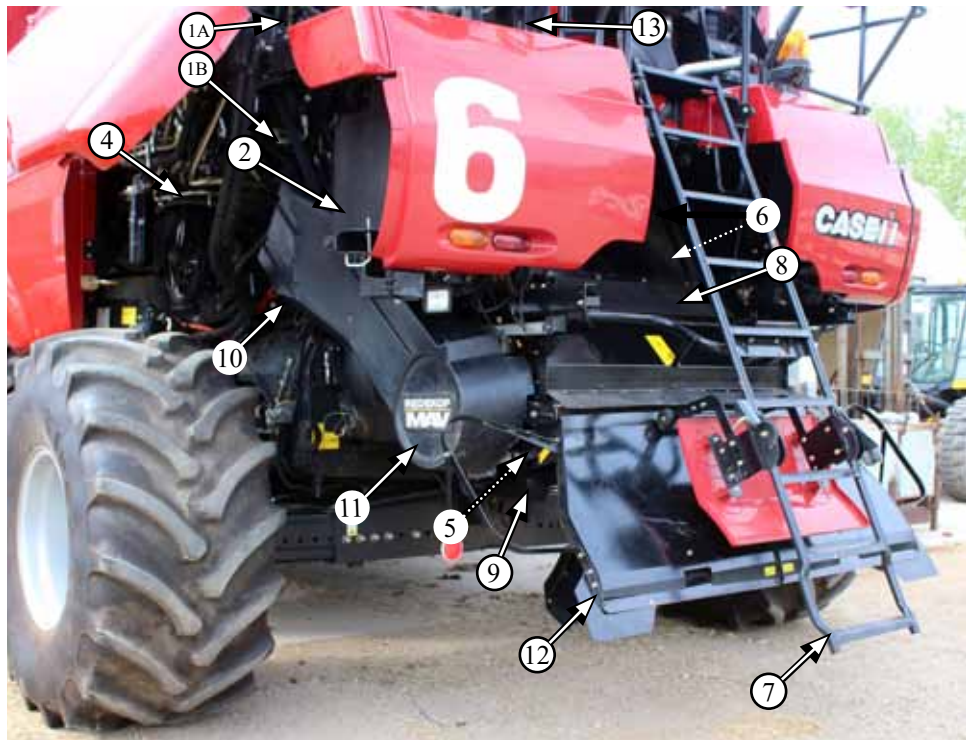
Table of Contents

	<u>Section</u>
12 Hydraulic Oil Level	
Check Oil Level	12.1
13 AFX 20S Roof Installation	
Order Kit if Required	13.1
14 Chopper Actuator Installation	
Chopper Actuator Installation	14.1
15 Vent Installation	
Vent Installation	15.1
16 Drive Shield Installation	
Drive Shield Installation	16.1
17 Access to Sieves	
Access to Sieves	17.1
18 Software Update	
Update Software 30 & 40 Series	18.1
Configure in Cab Parameters 50 Series	18.2
Configure Tailboard Actuators	18.3
Add Chop-to-Swath Button	18.4

Case IH AFX 230, 240 & 250 Series Complete Redekop MAV Chopper Installation Manual

Component Reference

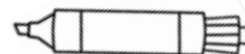
- 1A. Air Tank - 240S
- 1B. Air Tank - 230S
- 2. DEF Tank
- 4. Hydraulic Lines
- 5. Sieve Extension
- 6. Chaff Deflectors
- 7. AFX Ladder
- 8. Straw Door
- 9. Chopper
- 10. Chopper Drive - Jackshaft
- 11. Drive Shields
- 12. Tailboard
- 13. Hydraulic Oil Level



Supplies required to assist during the installation procedure:

Requirements:

Marker



Drill

Drill bit - 10mm dia or 13/32 in dia.

- required for section 3.9.4



Drill bit - 12mm dia or 1/2 in dia.

- required for section 3.1.4



Pipe Sealant Tape

- required for section 1.4



LH Side Fuel Tank Removal parts - 9240 & non factory MAV 9250's only

required for 9240, section 2.6

- 201-913 Plug, Hex, ORFS 1-14 5/8 Tube Qty 1

- 273916 Plug, ORB 1-5/16-12 1.0 Tube Qty 1

Required parts will have to be ordered through Case IH Parts system



DEF parts (refer to dealer)

Pre Nov 2016 Build - 240 Series Only:

- extend factory harness (47693412 or 4776123) by 750mm by dealer as detailed in section 3.7

Required OEM Parts:

- 47777353 DEF Line w/ SV246 NG8 Elbow Connector Qty 2

- 47777447 Barbed Connector for DEF Line Qty 4

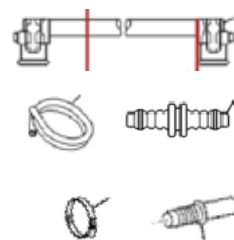
- 84480613 EPDN Hose 40" Qty 2

- 84480601 Hose Connector for coolant line Qty 4

- 86625022 Hose Clamp Qty 4

- 47655259 Tool Box Qty 1

Required parts will have to be ordered through Case IH Parts system



Post Nov 2016 Build - 240 Series Only:

- order harness 48037151

Decal

- required for section 3.6

- #47692590A

Qty 1

Order from Case IH Parts system



Laser Alignment Tool

Order RP956 if Required

- required for section 10.2.4



0 Safety

0.1 Introduction

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

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



0.2 Recognize Safety Information

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

Follow recommended precautions and safe operating practices.



0.3 Understand Signal Words

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

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



0.4 Follow Safety Instructions

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

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

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

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

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

Other languages are available for this machine. Please contact Redekop



0.5 Safe Operating Practices

0.5.1 DO NOT stand near 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.

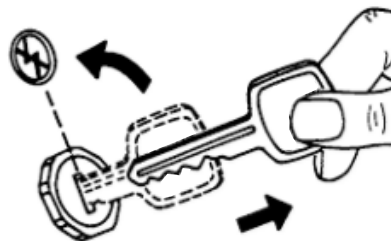


0.7 Remove Key from Ignition

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. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Keep hands, feet and clothing away from power-driven parts. Tie long hair behind your head. Do not wear rings, jewelry, a necklace, a necktie, scarf, or loose clothing when you work near machine or moving parts. If these items were to get caught, severe injury could result.

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

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

On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems 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 machine when it is running.

Never attempt to clear obstructions from machine unless it is disengaged, engine shut off and key removed.



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 appropriate tools and personal protective equipment such as clothing, gloves, face shields or glasses, during the removal or handling of objects and materials.

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.



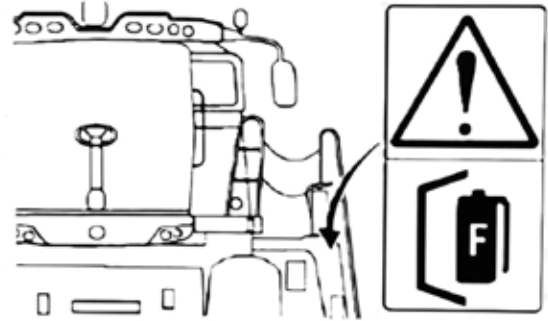
0.18 Fire Extinguisher

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, near bearings and 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! DO NOT RETURN TO THE FIRE! The number one priority is safety. Always put the safety of the operator and bystanders first.

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

1. Remove fire extinguisher from bracket and carry it to the area of fire.
2. Approach area of fire with your back to the wind.
3. Release the locking mechanism on fire extinguisher to allow discharge.
4. Hold extinguisher upright, pointing nozzle away from you and aim hose at base of the flames.
5. Squeeze the lever slowly and evenly to discharge fire extinguisher.
6. Move extinguisher nozzle side to side to cover the source of the fire evenly with extinguishing agent.



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



0.21 Safety Decals

Hand Injury / Rotate Danger
RP871



Projectile Hazard / Stand Clear
RP872



Caution / Check Service Manual
RP873



Keep Hands out of Belt Area
RP874



High Pressure Fluid Hazard / Check Service Manual
RP876

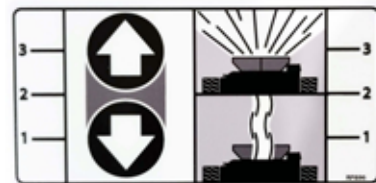


Pinch Point Hazard
84394351



0.22 Information Decals

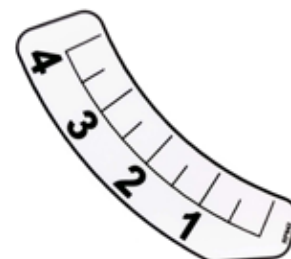
Windrow Floor Adjustment
Wide Spread / No Spread
RP896



Redekop Serial Number Plate
RP1171



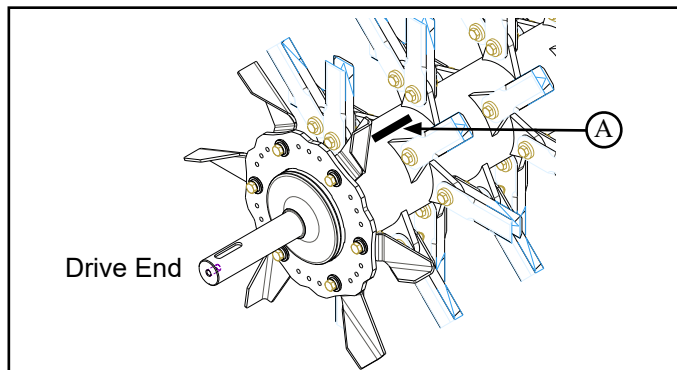
Knifebar Adjustment
RP942



0.23 Serial Number

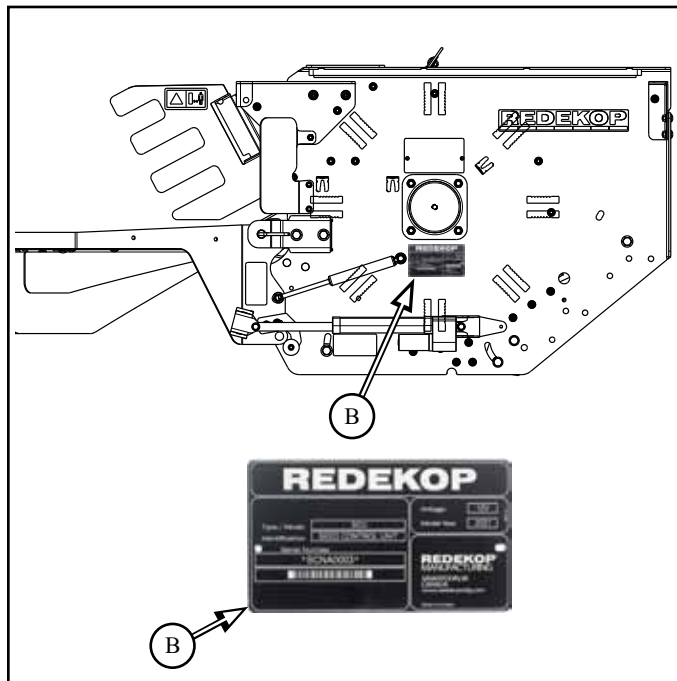
1. Rotor serial number (A):

- stamped on the rotor, located on the drive end



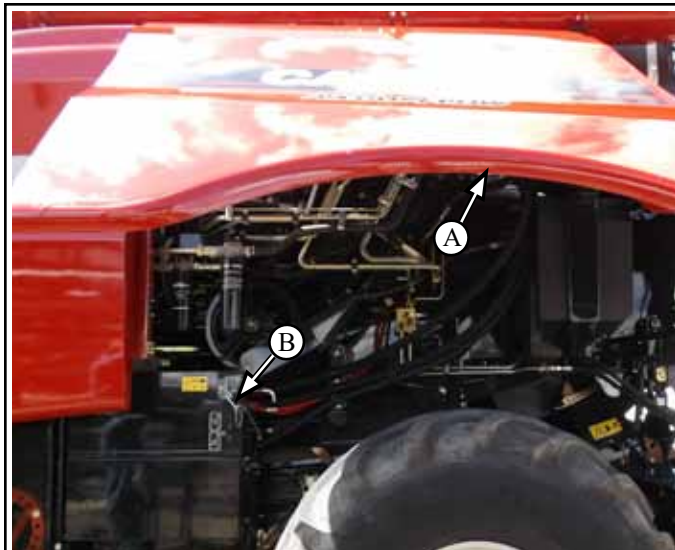
2. Straw chopper serial number plate (B):

- located on the chopper wall, non-drive side, below the rotor shaft shield



Master Power

1. Shut off engine, remove keys from the combine cab
2. Block wheels on level ground
3. Lift up the left rear side access panel (A)
4. Turn Master Power Off (B)

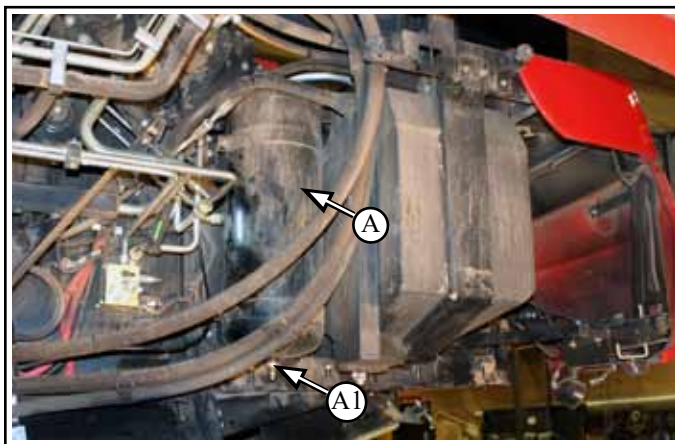


1 Air Tank Removal / Relocation

- if equipped
- 230 Series only

1.1 Drain Air Tank

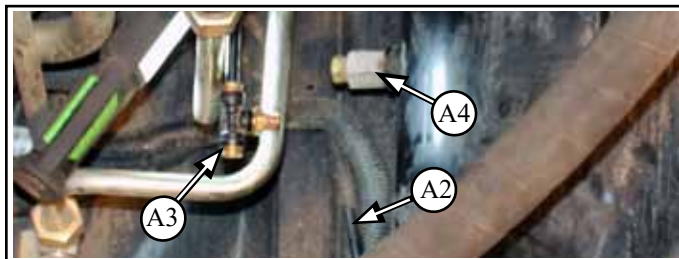
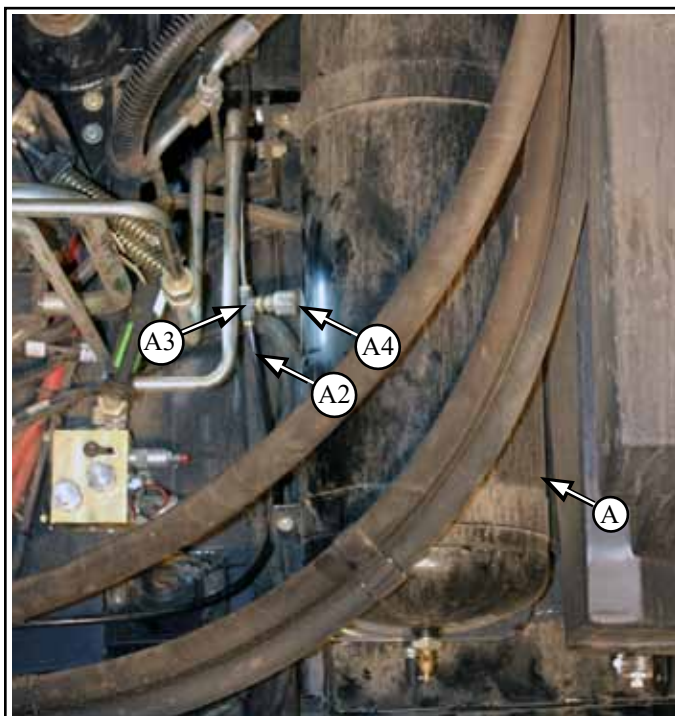
- 1.1.1 Open bottom valve (A1) on air tank (A) to release air pressure



1.2 Disconnect Air Line

- 1.2.1 Remove bottom air line (A2) from tee fitting (A3)

- 1.2.2 Disconnect Tee fitting (A3) from fitting (A4) on air tank (A)

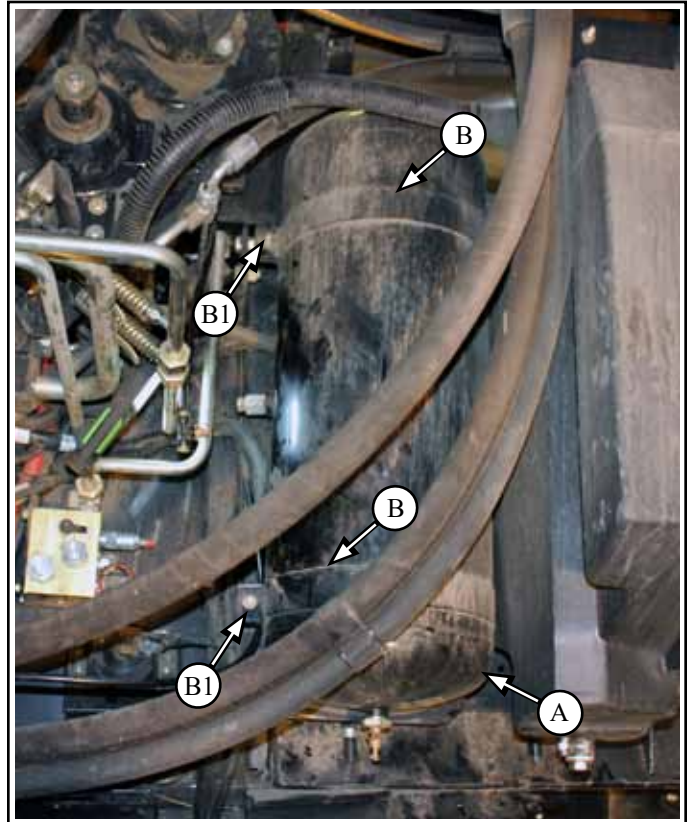


1.3 Air Tank Removal

1.3.1 Remove hardware (**B1**) from air tank straps (**B**) x2 holding the air tank (**A**) in place

1.3.1.1 Remove air tank (**A**)

- to be reinstalled at a different location



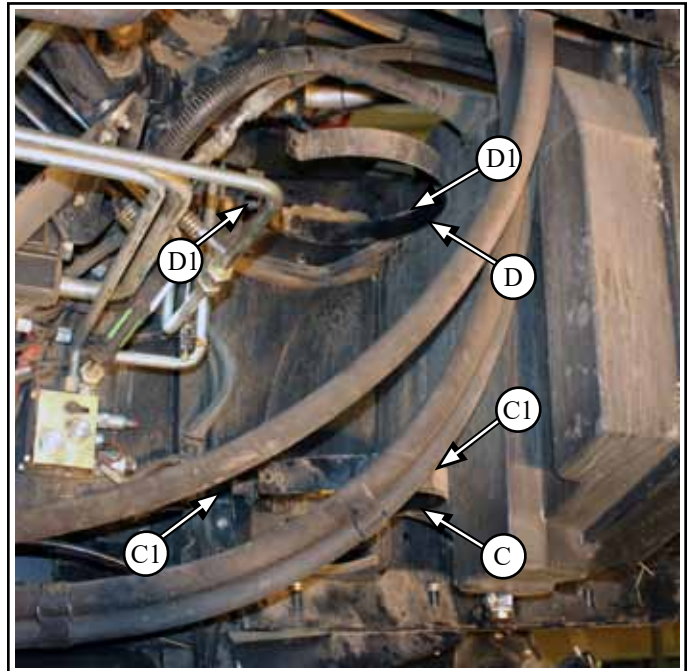
1.3.2 Remove hardware (**C1**) x2 mounting the bottom air tank mounting bracket (**C**) to combine wall

- hardware not to be reused



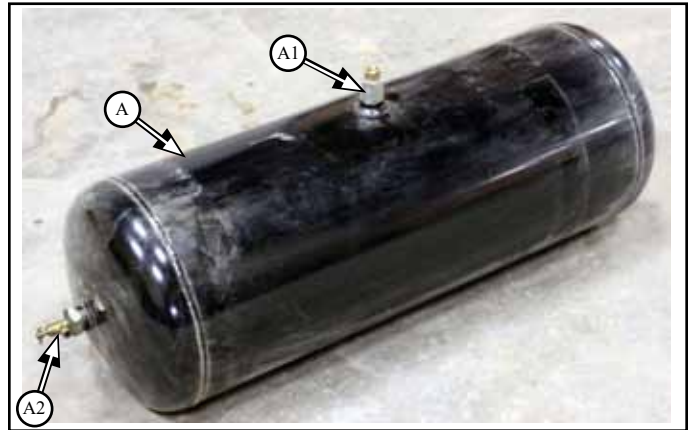
1.3.3 Remove hardware (**D1**) x2 mounting the top air tank mounting bracket (**D**) to combine wall

- hardware not to be reused

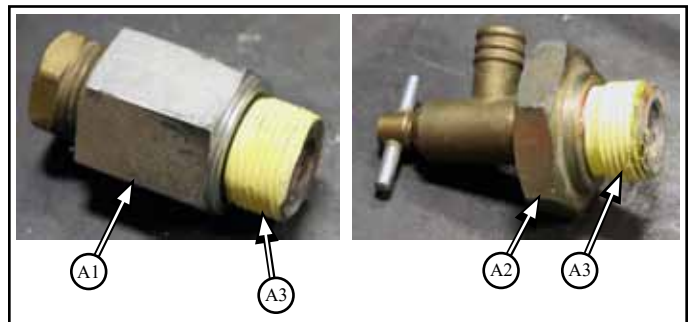


1.4 Air Fitting Relocation

1.4.1 Remove existing fittings (**A1** & **A2**) from air tank (**A**)

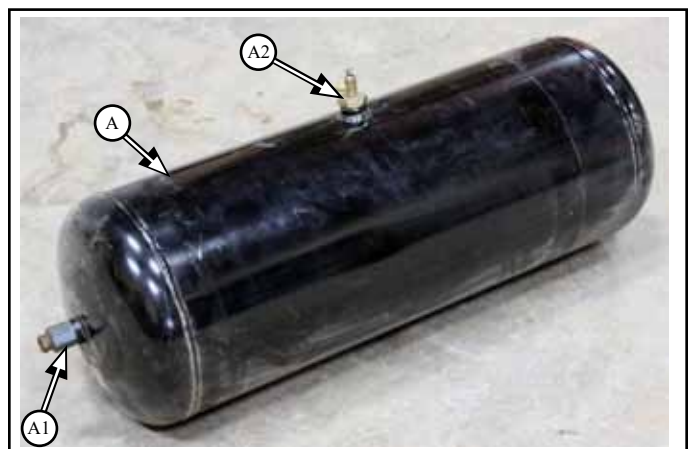


1.4.2 Apply sealant tape (**A3**) to ends of fittings (**A1** & **A2**)



1.4.3 Reinstall fitting (**A1**) into end of air tank (**A**)

1.4.4 Reinstall fitting (**A2**) into body of air tank (**A**)

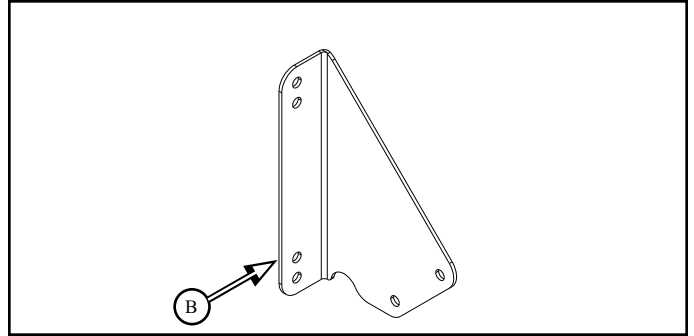


1.5 Air Tank Mount Bracket Installation

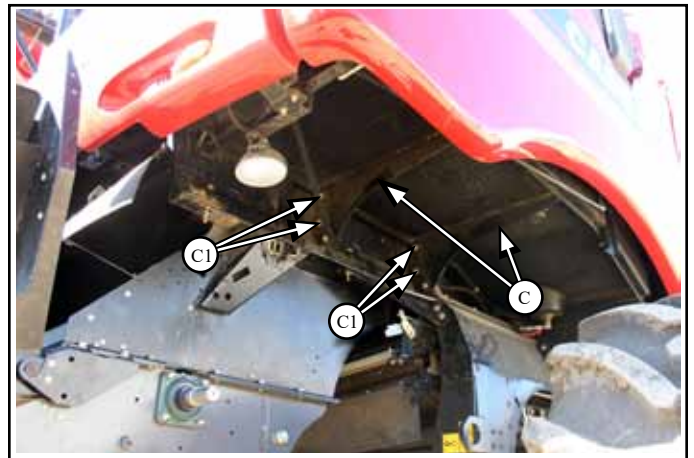
Parts List:

parts located in CS1135BS box
hardware located in CS510S bag

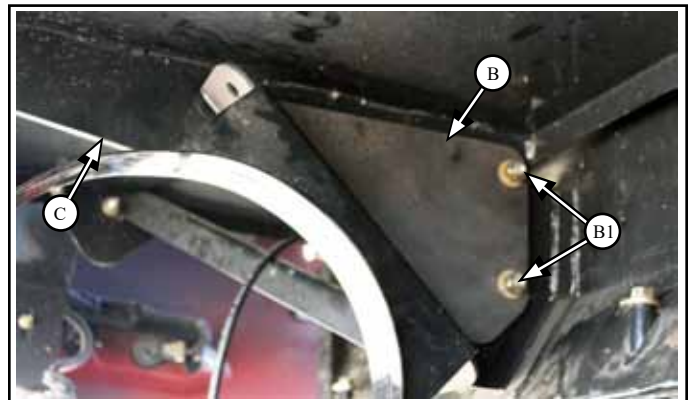
CS862B Air Tank Mount Bracket (**B**) Qty 2



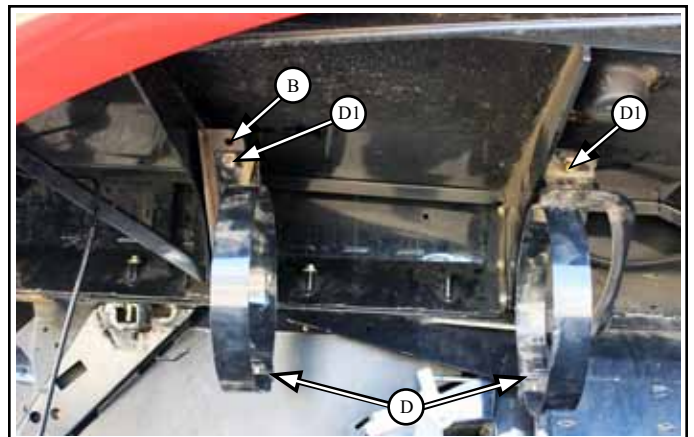
1.5.1 At right rear corner of combine, remove upper hardware (**C1**) x2 mounting brace (**C**) x2 to combine wall - to be reinstalled in step 1.5.3



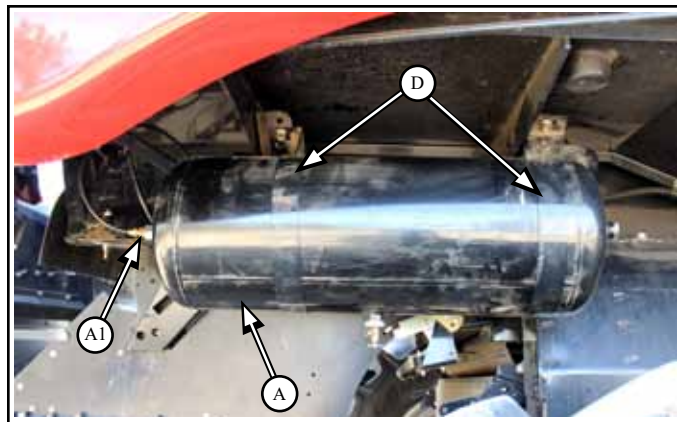
1.5.2 Mount new air tank mount bracket (**B**) x2 to front side of mounting braces (**C**) with:
- M12 x 25 flanged head bolt and flange nut (**B1**) x4



1.5.3 Mount existing air tank mount bracket (**D**) x2 to mounting brackets (**B**) with:
- existing M12 x 20 flanged head bolt and flange nuts (**D1**) x4 from step 1.5.1



- 1.5.4** Mount air tank (A) into mounting brackets (D)
 - ensure end with fitting (A1) is facing rearward

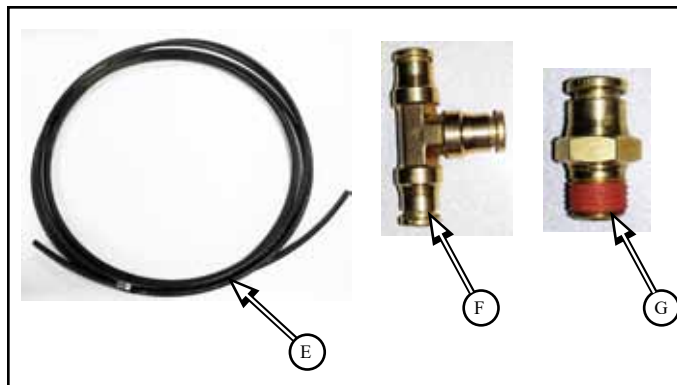


1.6 Air Hose Installation

Parts List:

parts located in CS1135BS box / CS510S bag

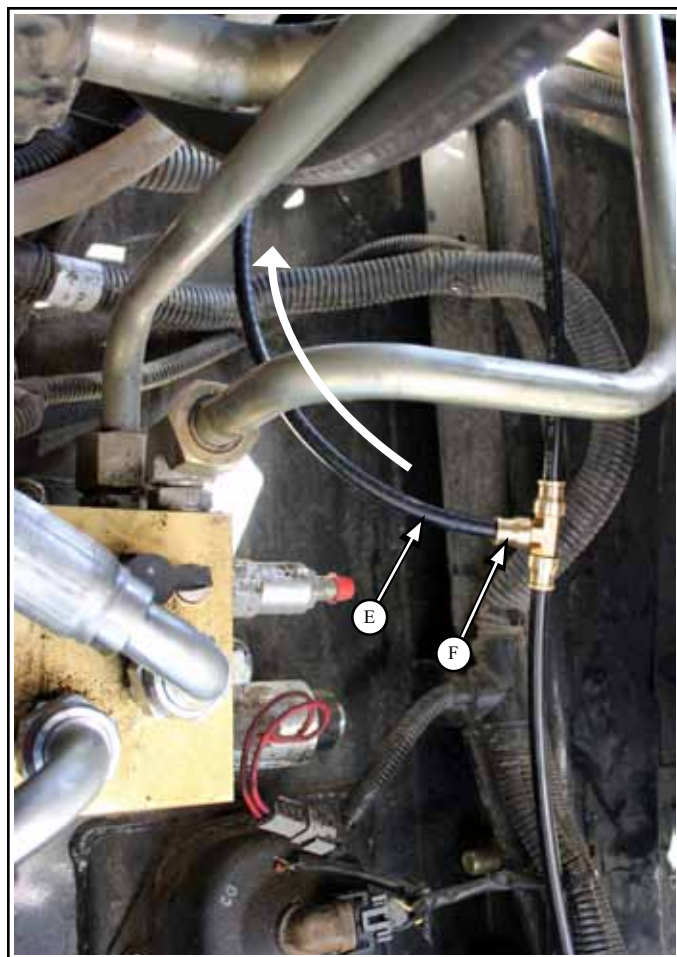
CS860-01	Air Hose 3/8 x 16ft (E)	Qty 1
RP836	Fitting Tee Air Push In .375 (F)	Qty 1
RP837	Fit Air .375 Push In .25 NPT (G)	Qty 1



- 1.6.1** Replace existing air tee fitting (A3) with new tee fitting (F)

- 1.6.2** Insert new air hose (E) into tee fitting (F)

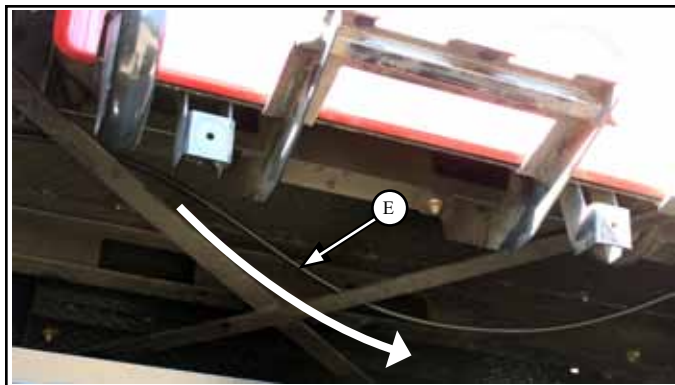
- 1.6.3** Run air hose (E) up under top platform over to new location of air tank (A) at right rear corner



Previous

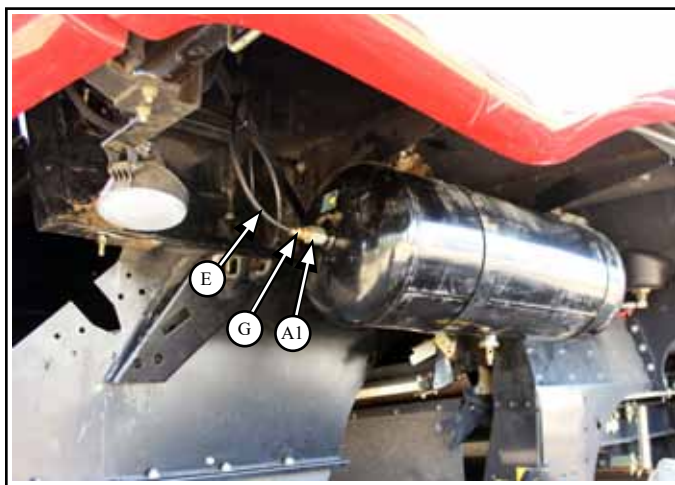
New

1.6.3.1 Run air hose (E) up under top platform over to new location of air tank (A)

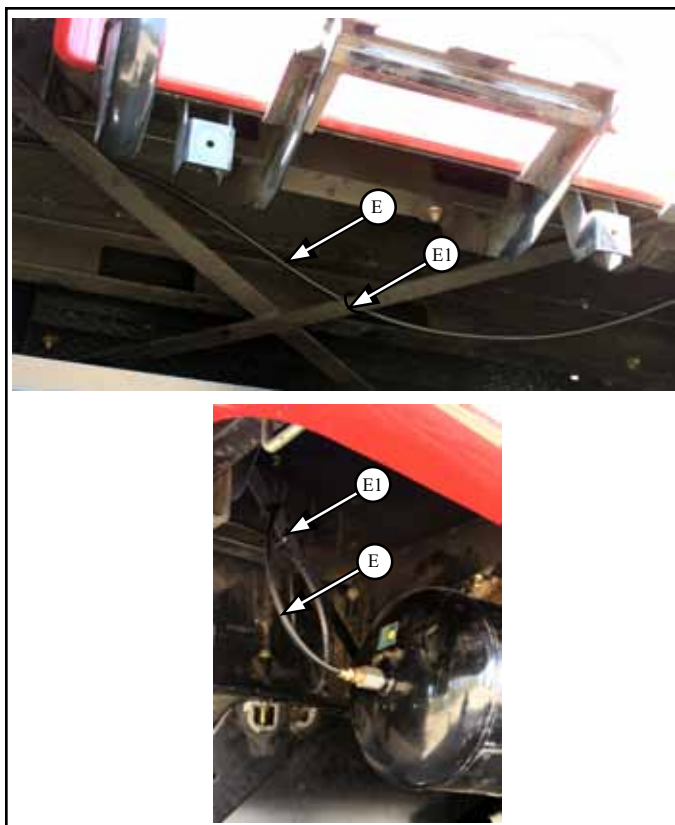


1.6.3.2 Connect air fitting (G) to air tank fitting (A1)

1.6.3.3 Connect air hose (E) to air fitting (G)



1.6.4 Secure air hose (E) to combine with tie straps (E1) as required



2 Diesel Exhaust Fluid (DEF) Tank Relocation Preparation - 230/240 Series (Not required on 50 Series machines. Required only on applicable machines)

2.1 Drain DEF Tank

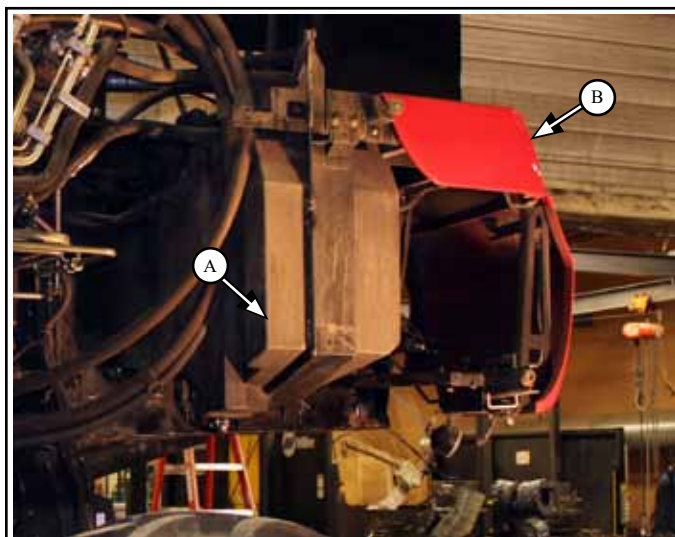
2.1.1 Open drain valve (**A1**) at bottom of DEF tank (**A**)

2.1.1.1 Drain fluid into a clean container (**A2**)

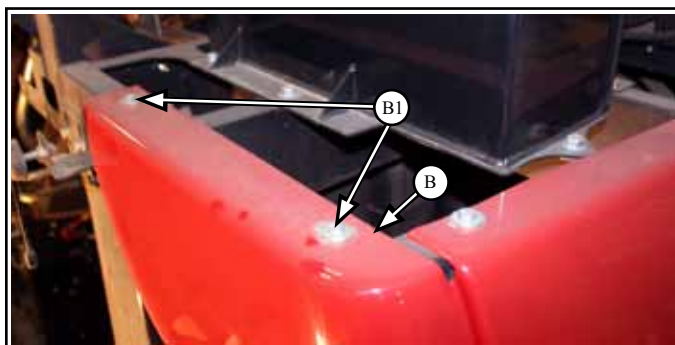


2.2 Remove Top Left Corner Panel

2.2.1 Remove hardware (**B1**) x2 mounting the top left rear corner panel (**B**) to the combine top frame



- to be reinstalled

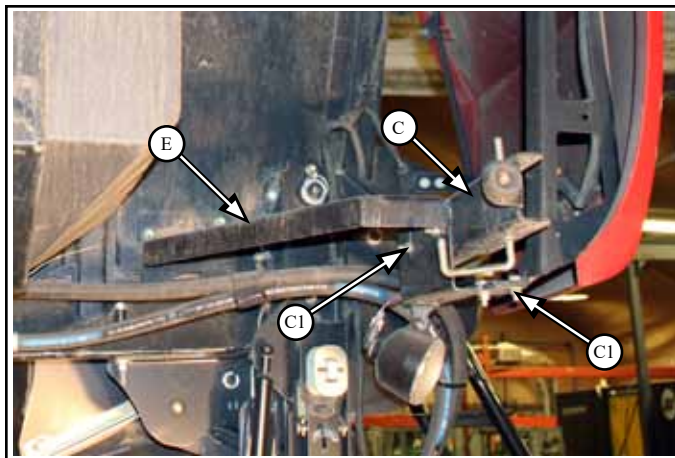
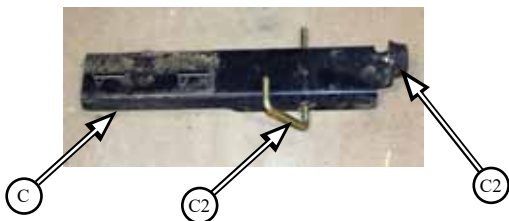


2.3 Remove Rear Support Arm

2.3.1 Remove hardware (C1) x4 mounting the rear support arm (C) to rear support bracket (E)

2.3.2 Remove pin, spring, rubber stop and hardware (C2)

- to be reinstalled
- bracket (C) not to be reused



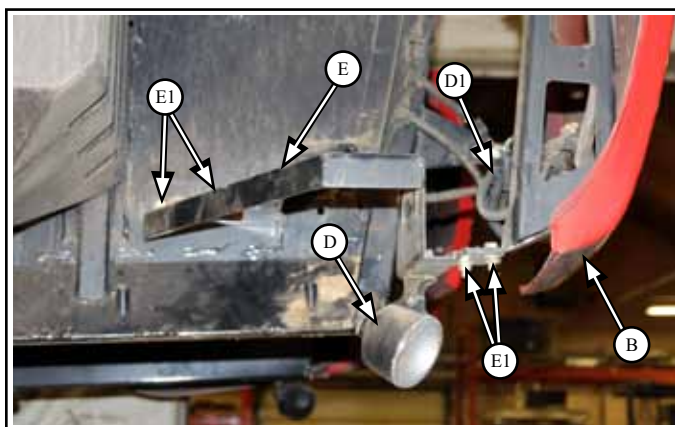
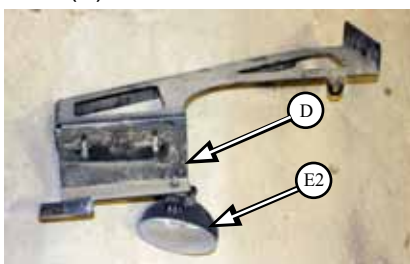
2.4 Remove Rear Support Bracket

2.4.1 Disconnect wire harness connector (D1) from light (D)

2.4.1.1 Tie up wire harness (D1) into corner panel (B)
- to be reconnected

2.4.2 Remove hardware (E1) x4 mounting the rear support bracket (E) to left combine wall and rear corner panel (B)

2.4.3 Remove light (D) from support bracket (E)
- to be reinstalled
- support bracket (E) not to be reused

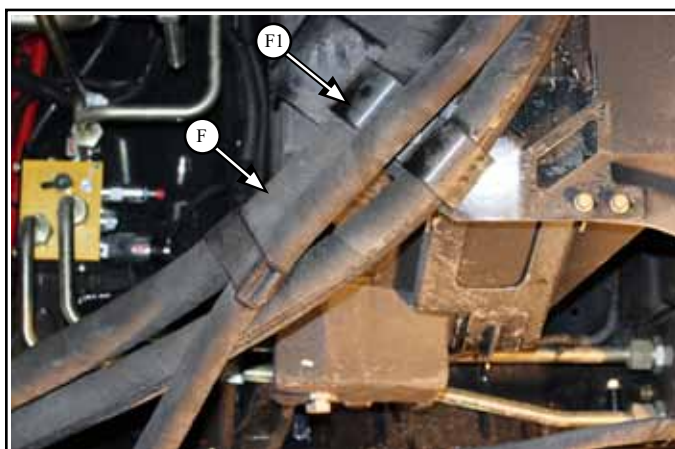


2.5 Prepare DEF Lines

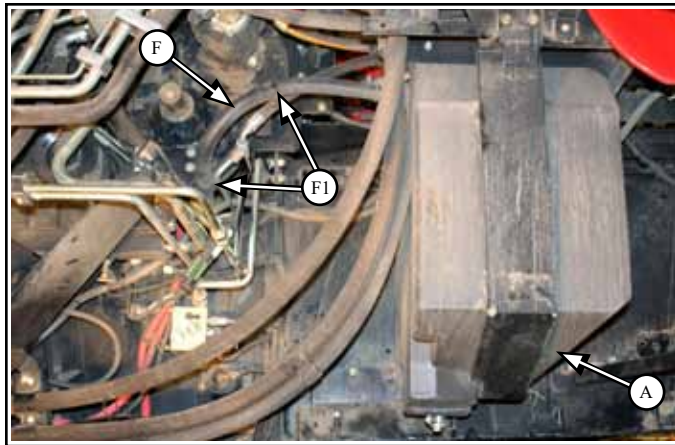
2.5.1 Remove hose clamps (F1) from ground drive hoses (F)



- Hoses will now be loose and will be reclamped into place upon completion of the MAV Chopper



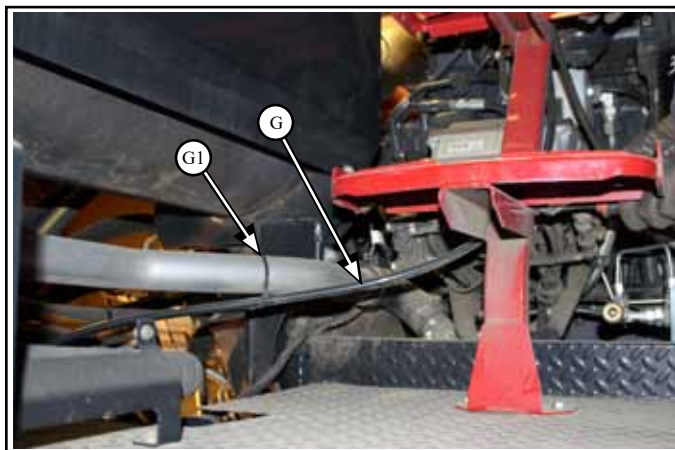
2.5.2 Remove hose clamps (F1) from DEF conduit (F)



40 Series has vent line bolted above DEF line which is to be moved and reattached with bracket provided

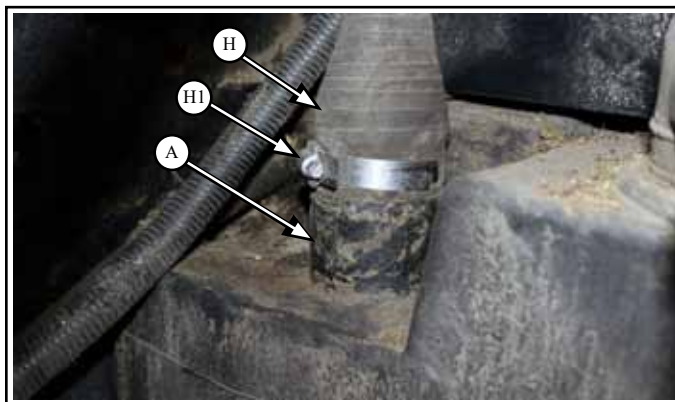


40 Series DEF lines only

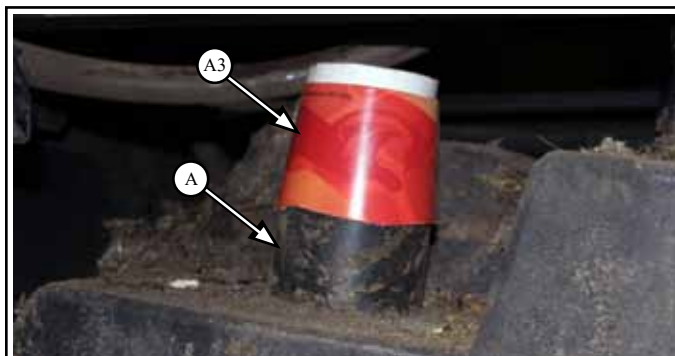


2.5.4 Loosen hose clamp (H1) from DEF fuel fill line (H)

2.5.4.1 Remove DEF fuel fill line (H) from DEF tank inlet (A)



2.5.4.2 Seal (A3) top of DEF fuel tank inlet (A) to prevent contamination in the tank



DEF Tank relocation installation completed in section 3

2.6 Remove Left Fuel Tank

Left fuel tank is standard on the 9240, 9250 without OEM MAV and an option on the 8240

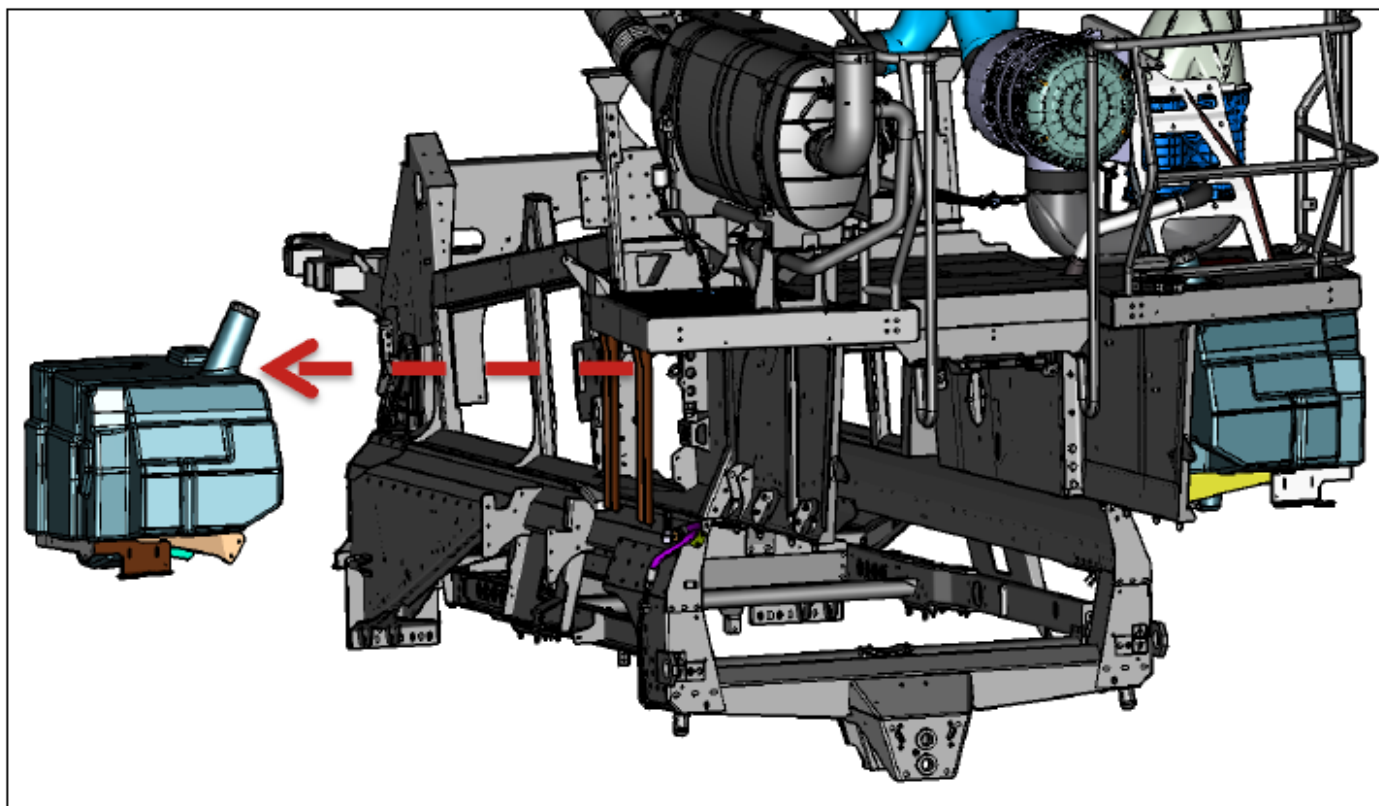
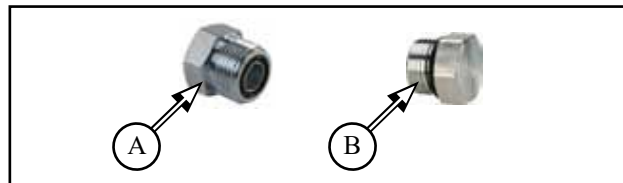
Required in order to move Def tank back to provide space for the chopper drive system

Parts List:

parts located in CS1136S bag

H17-10 Plug, ORFS 1-14 5/8 Tube (201-913) (A) Qty 1

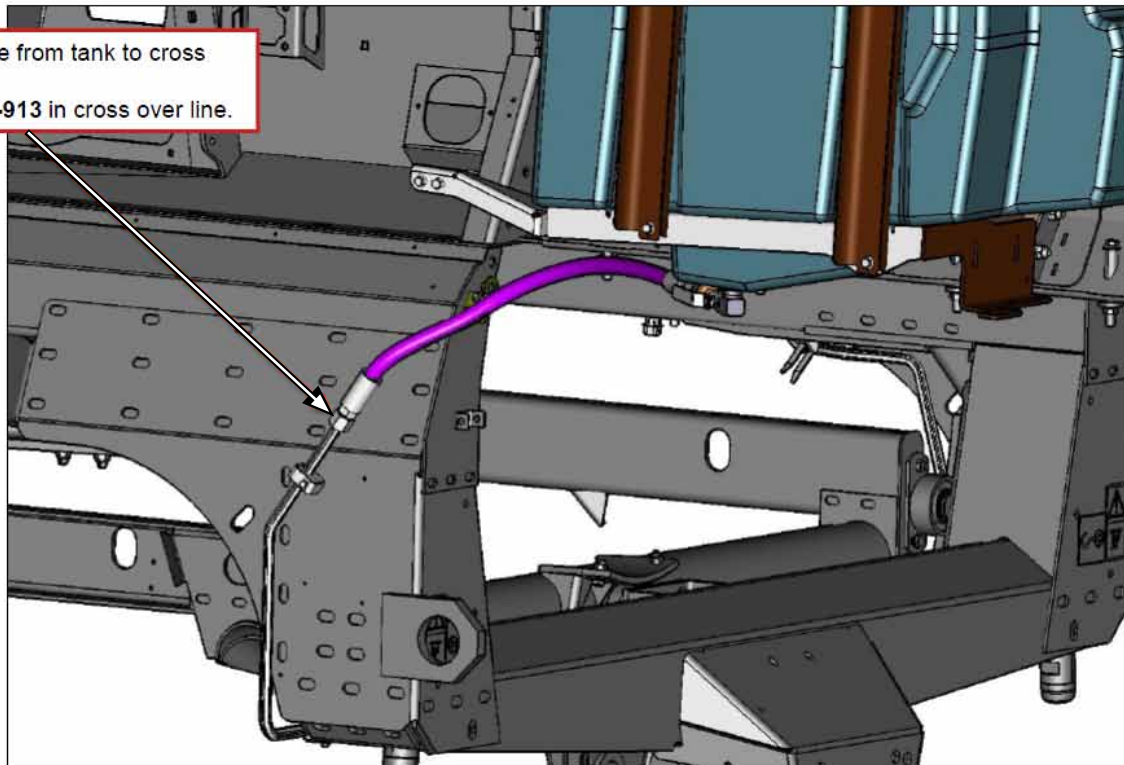
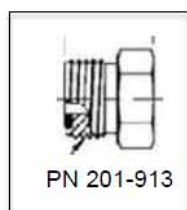
H15-16 Plug, ORB 1-5/16-12 1.0 Tube (273916) (B) Qty 1



2.6.1 Disconnect LH Tank Cross-Over Line

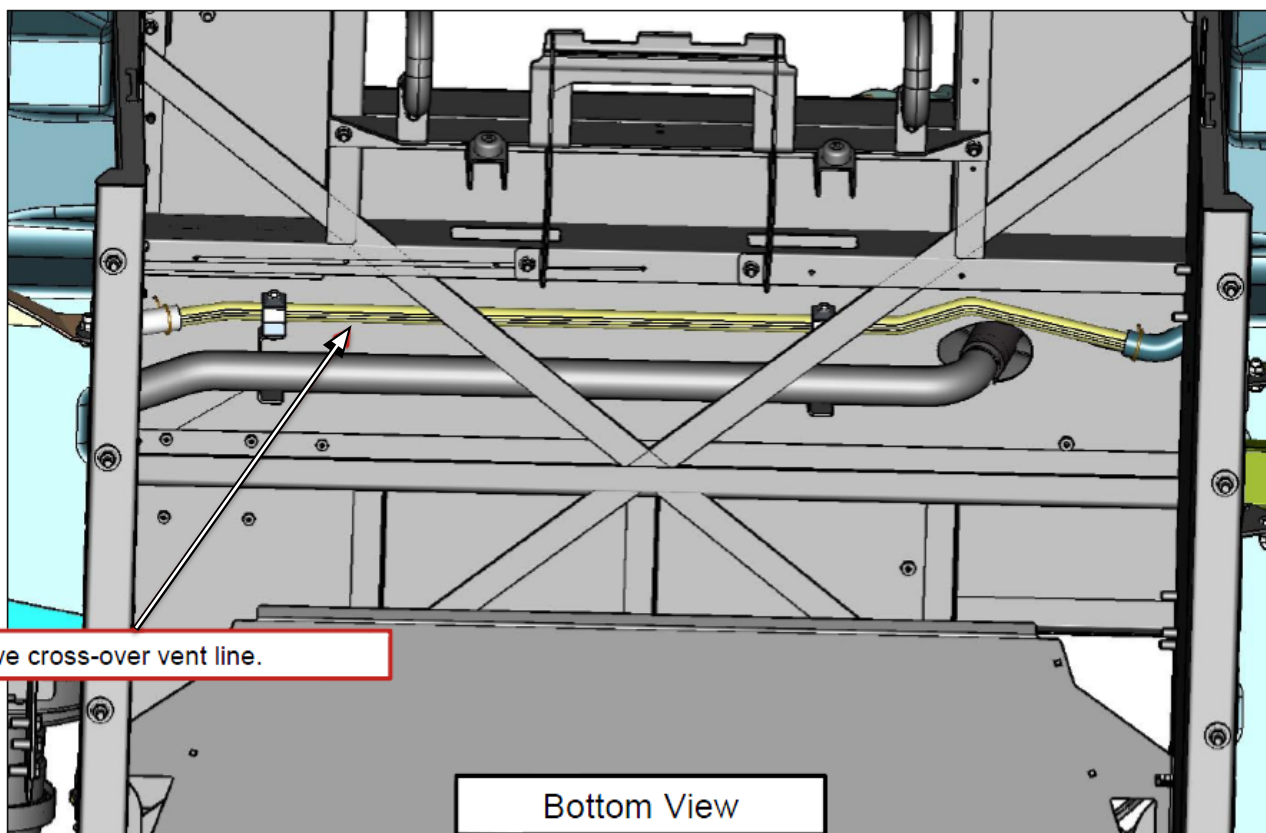
2.6.1.1 Add plug

- Disconnect hose from tank to cross over line.
- Install plug 201-913 in cross over line.



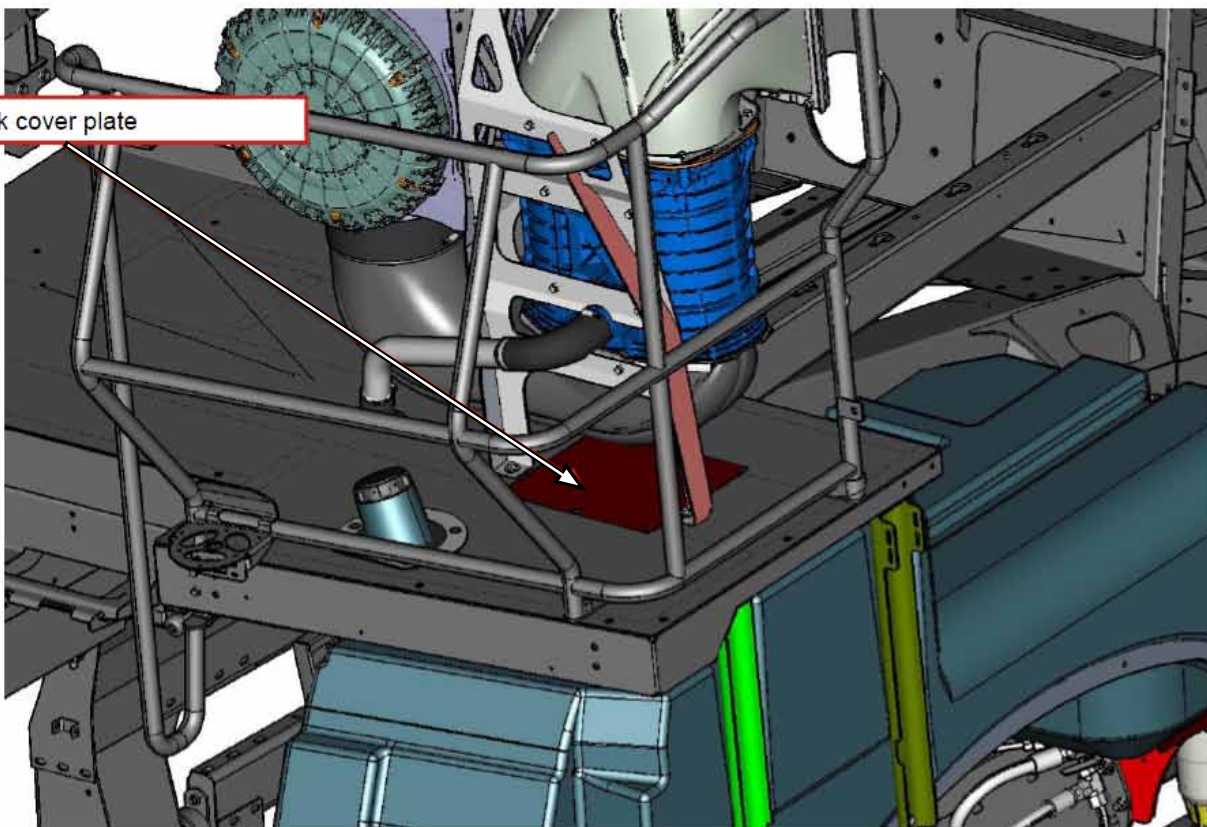
2.6.2 Remove LH Tank Vent Line

- Remove cross-over vent line.



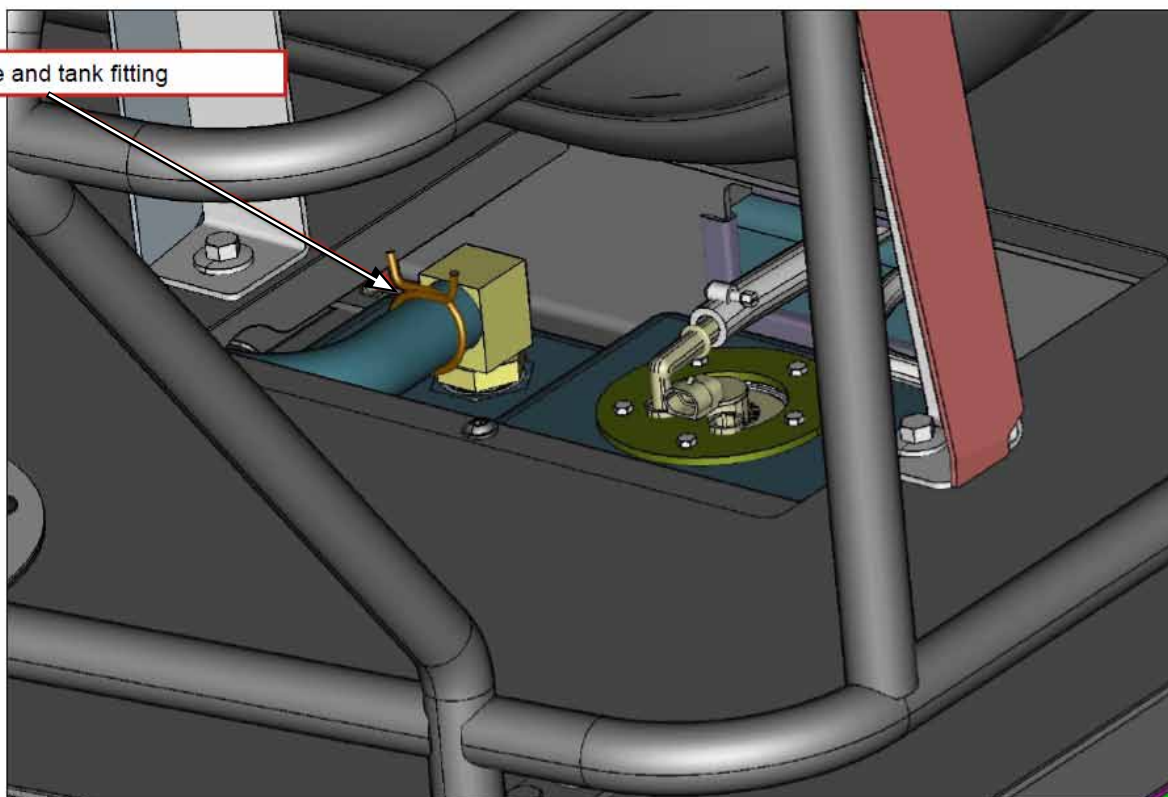
2.6.2.1 Remove Tank Cover Plate

- Remove tank cover plate



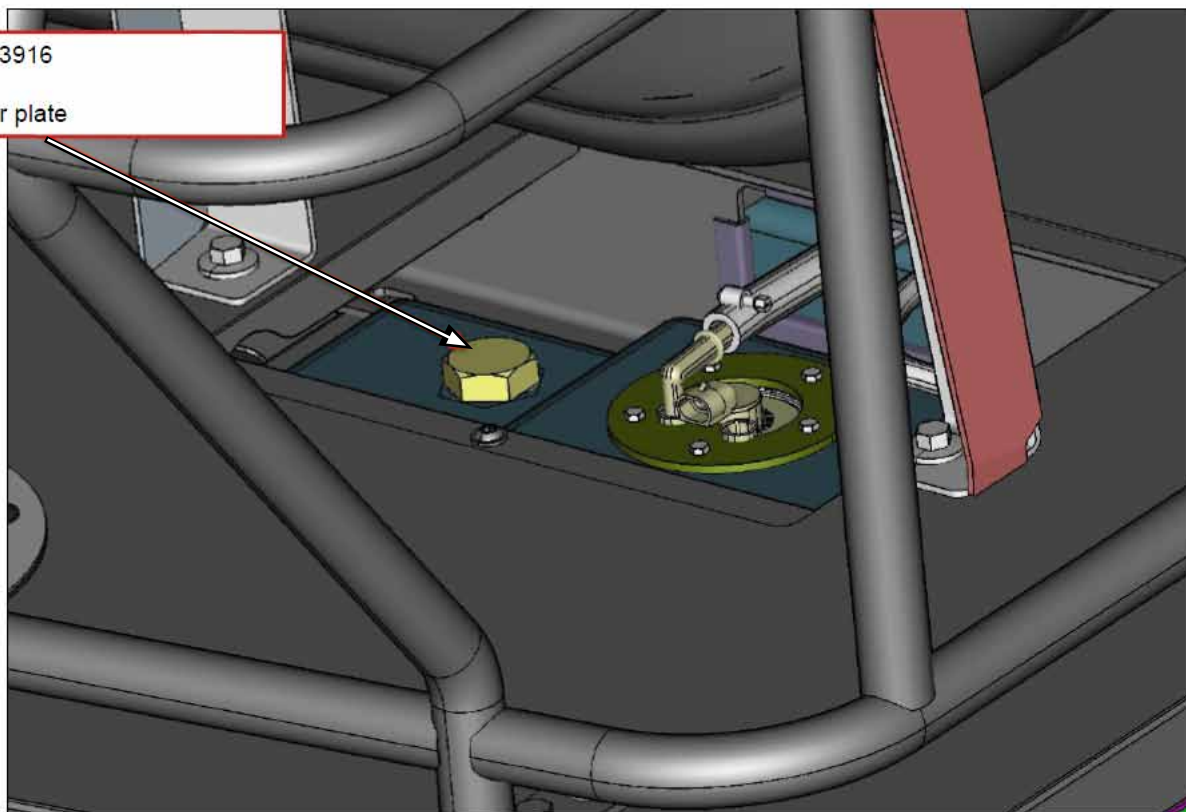
2.6.2.2 Remove hose and tank fitting

- Remove hose and tank fitting



2.6.2.3 Install plug

- Install plug 273916
- Reinstall cover plate



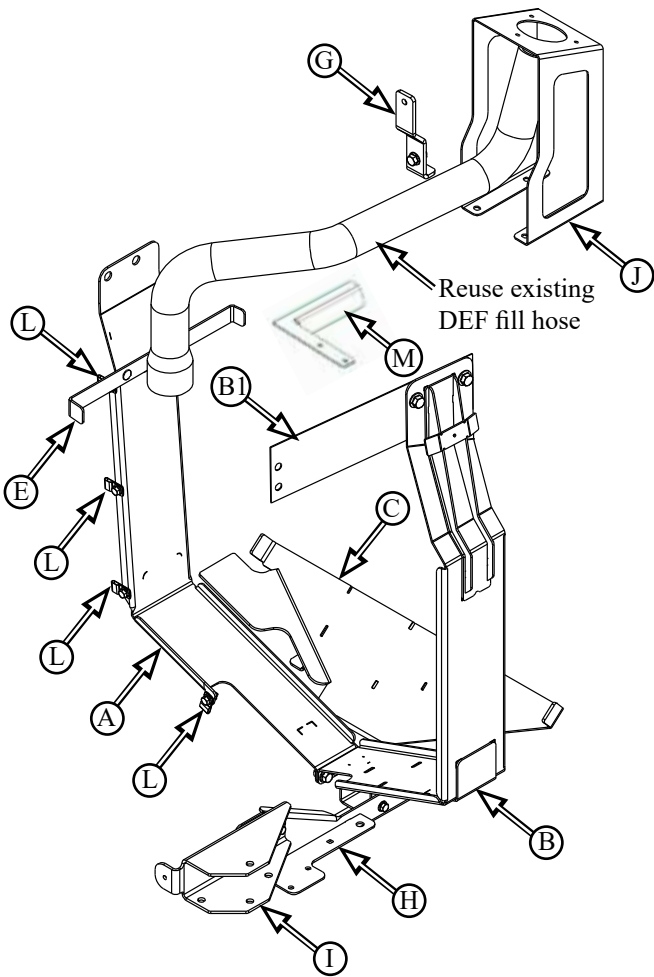
2.6.3 Remove fuel tank mounting brackets and fuel tank as required

- parts are not to be reused

3 Diesel Exhaust Fluid (DEF) Tank Relocation Installation 230/240 Series
(Not required on 50 Series machines. Required only on applicable machines)

Parts located on pallet and in CS917BS, CS1135BS boxes

Parts List:			
CS890B Hanger Front DEF AFX (A)	Qty 1	CS829B Bracket Rear DEF Hanger (B)	Qty 1
CS829_TEMPLATE Bracket Rear DEF Hanger (B1)	Qty 1	CS826B Bottom DEF Mount Plate (C)	Qty 1
CS891B Bracket Top DEF Guide (E)	Qty 1	CS835B Bracket DEF Vent Mount (G)	Qty 1
CS831B Arm Panel Latch (H)	Qty 1	CS786B Bracket Panel Lock (I)	Qty 1
CS805B Bracket DEF Fill Tube Mount (J)	Qty 1	RP220 P-Clip 2W .375D x.75 Insulated (L)	Qty 4
CS875B Bracket DEF Fill Guard (M)	Qty 1		

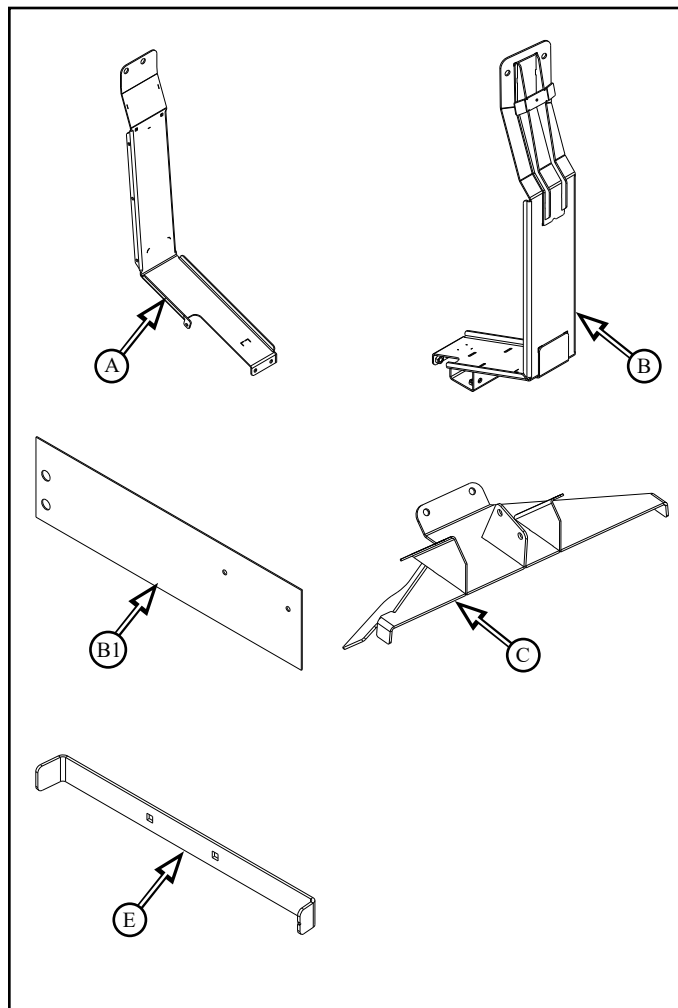


3.1 DEF Tank Installation

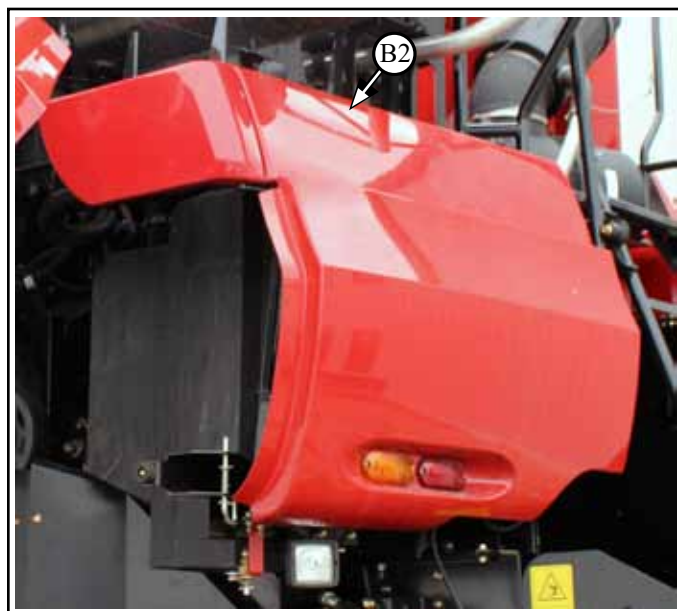
Parts List:

Parts located on pallet and CS917BS, CS1135BS boxes
hardware located in CS850S bag

CS890B	Bracket Front DEF Hanger (A)	Qty 1
CS829B	Bracket Rear DEF Hanger (B)	Qty 1
CS826B	Bottom DEF Mount Plate (C)	Qty 1
CS829_TEMPLATE	Bracket Rear Def Hanger (B1)	Qty1
CS891B	Bracket Top DEF Guide (E)	Qty 1



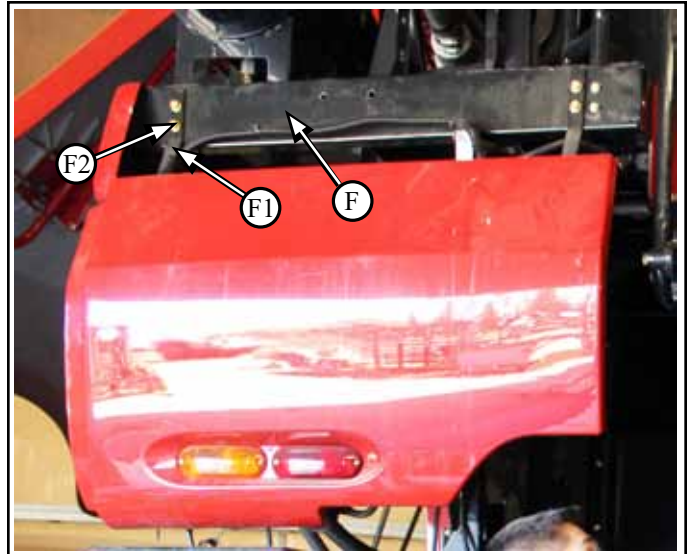
3.1.1 Remove Top Left Rear Panel (B2) - to be reinstalled





Not Required for MY17 & Current Machines
Holes are in Frame
Steps 3.1.2 to 3.1.4.2

3.1.2 Remove hardware (F2) mounting bracket (F1) to top combine frame (F)



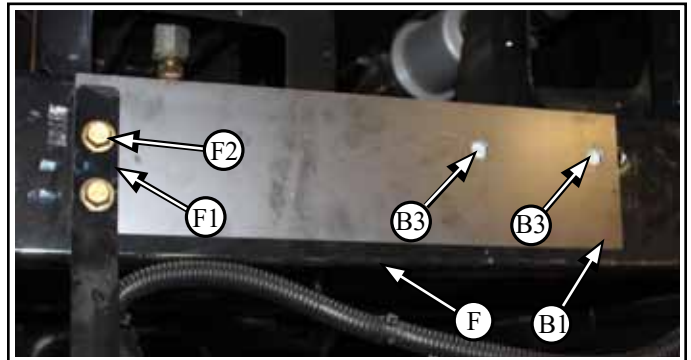
3.1.3 Attach template (B1) to top combine frame (F) with mounting bracket (F1) and hardware (F2)

Note: Not required for MY17 - holes are in the frame

3.1.4 Mark holes (B3) through holes in template (B1) on to frame (F)

3.1.4.1 Drill 12mm (.5 in) holes (B3) through top frame (F)

3.1.4.2 Remove template (B1) and reattach bracket (F1) to combine frame (F)

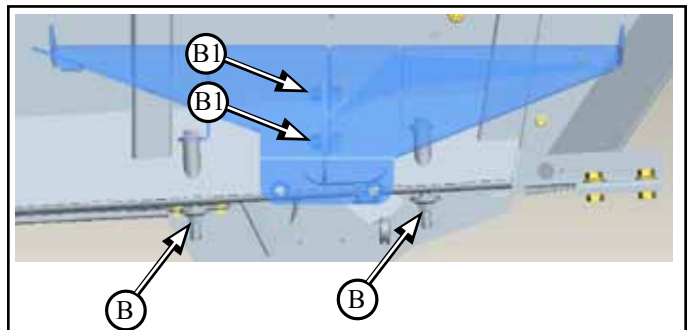
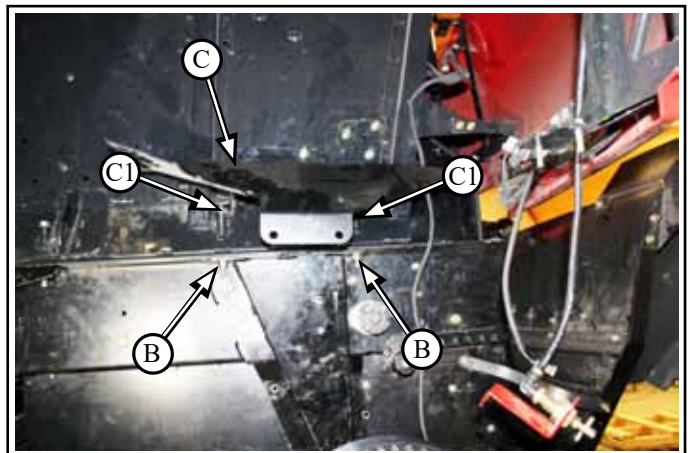


3.1.5 Install bottom DEF mount plate (C) to the top of the last two bolt locations (C1) on combine frame with:

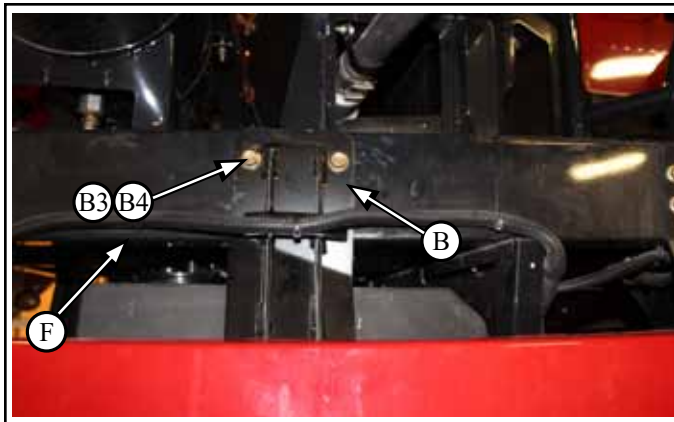
- Use existing M12 x 120 flange bolts and flange nuts (B)

Note: Do not tighten the nuts on bolts until the chopper is installed

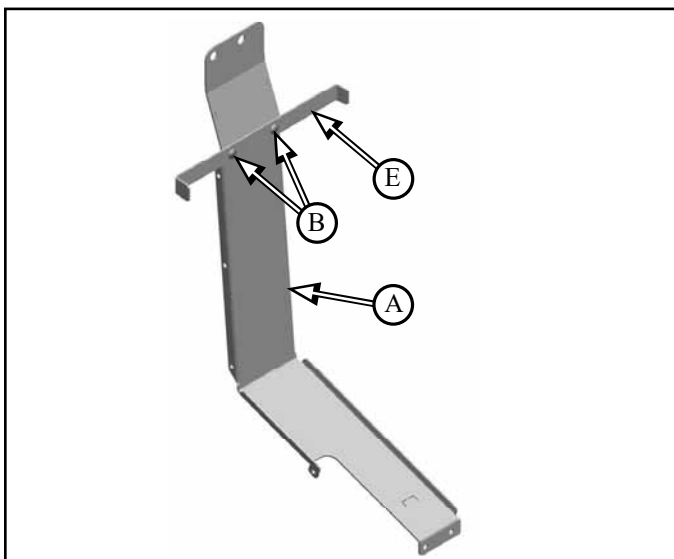
- M12 x 30 flange bolts and flange nuts (B1) x2



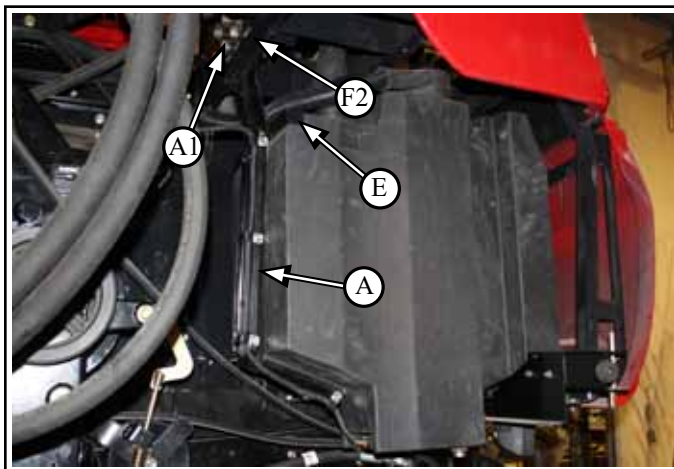
- 3.1.6** Install rear DEF hanger bracket (**B**) to the top rail (**F**) holes (**B3**) just drilled with:
- M12 x 30 flange bolt and flange nut (**B4**) x2



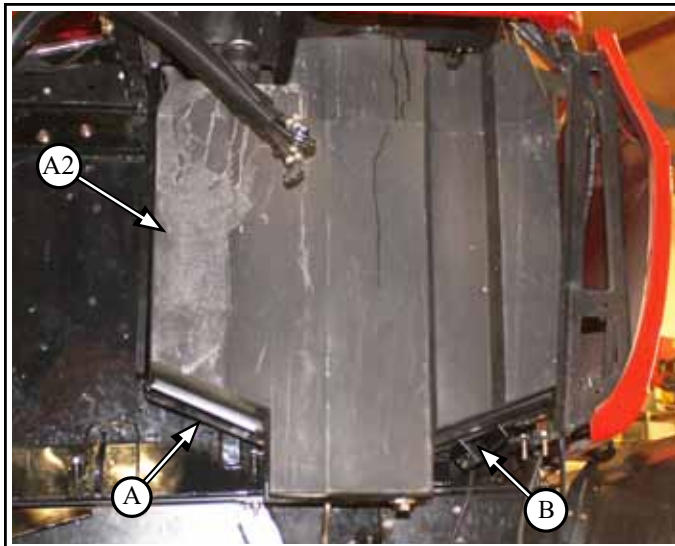
- 3.1.7** Assemble CS891B Bracket Top DEF Guide (**E**) to front DEF hanger bracket (**A**) with:
- M8 x 20 round head bolt and flange nut (**B**) x2



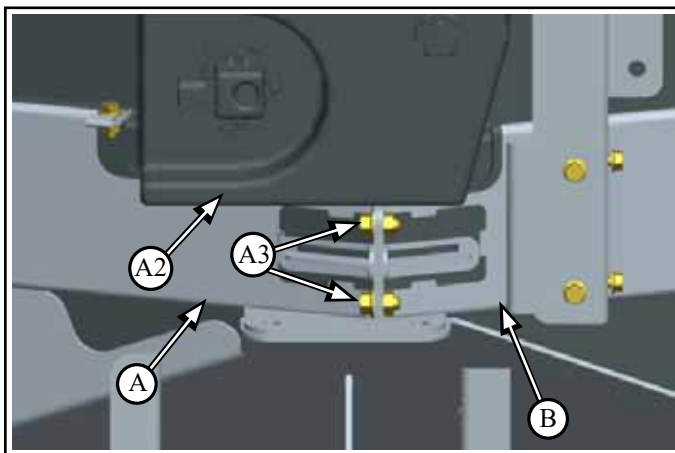
- 3.1.8** Install front DEF hanger bracket (**A,E**) to the top combine rail frame (**F2**), with existing hardware:
- M16 bolt and flange nut (**A1**) x2



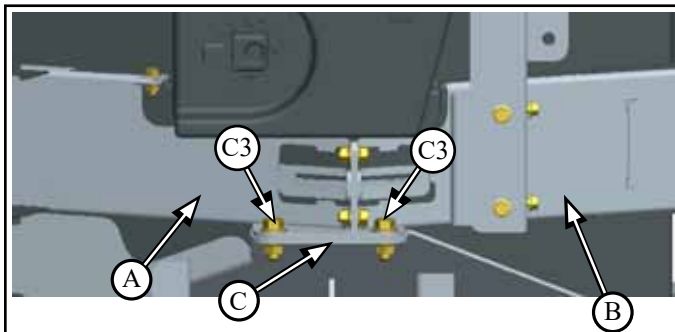
3.1.9 Place DEF tank (**A2**) into place in to hangers (**A**) and (**B**)



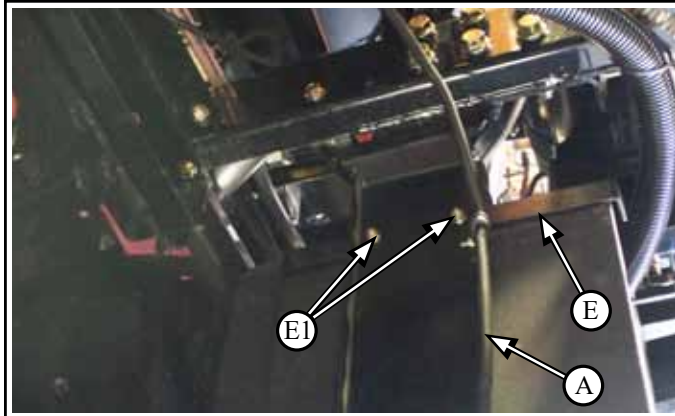
3.1.10 Connect bottom of hanger brackets (**A**) and (**B**) together below DEF tank (**A2**) with:
- M10 x 25 flange bolt (**A3**) x2



3.1.10.1 Connect bottom of hanger brackets (**A**) and (**B**) to bottom DEF tank mount plate (**C**) with:
- M12 x 30 flange bolt and flange nut (**C3**) x2



3.1.11 Install top DEF mount guide (**E**) to top of front hanger bracket (**A**)
- to be mounted in between DEF tank (**A2**) and bracket (**A**)
with:
- M8 x 20 round head bolt and flange nut (**E1**) x2
Note: Place round head of the bolt towards the tank and the nut to the outside



3.2 Def Ventilation Bracket Mount Installation

Parts List:

part located in CS917BS box

hardware located in CS850S bag

CS845B Def Vent Mount Bracket (G)

Qty 1

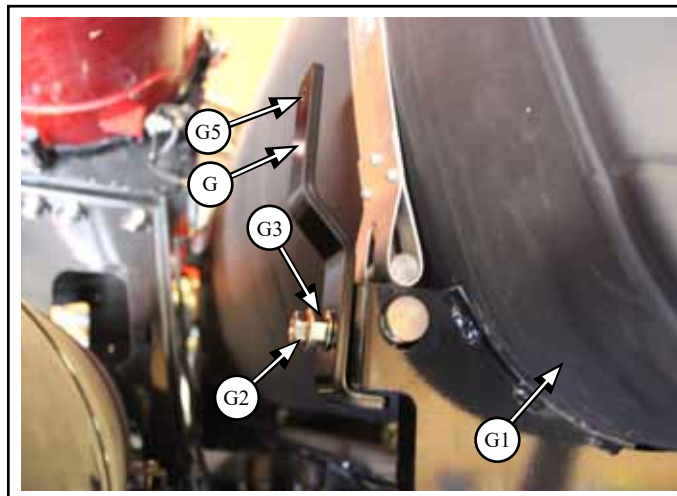
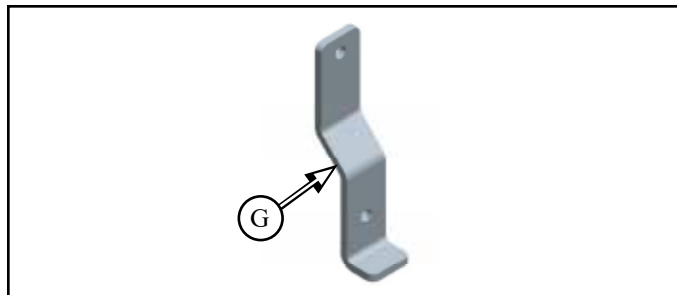
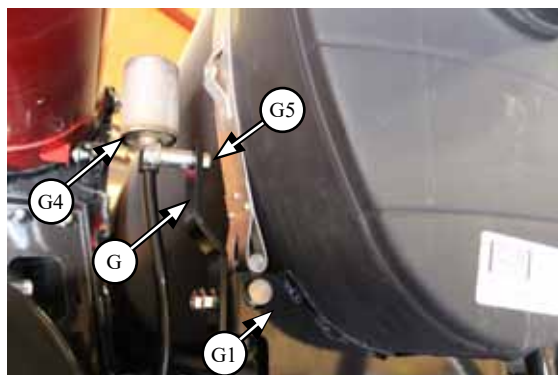


Use on 240 Series only

3.2.1 Mount def vent mount bracket (G) beside air tank (G1), with:

- M10 x 25 flange bolt (G2) x1
- M10 flange nut (G3) x2
- thread nut onto bolt fully, then tighten bracket (G)

3.2.2 Mount factory vent (G4) on the top hole (G5)



3.3 Arm Panel Latch Installation

Parts List:

part located in CS917BS box

hardware located in CS850S bag

CS831B Arm Panel Latch (H)

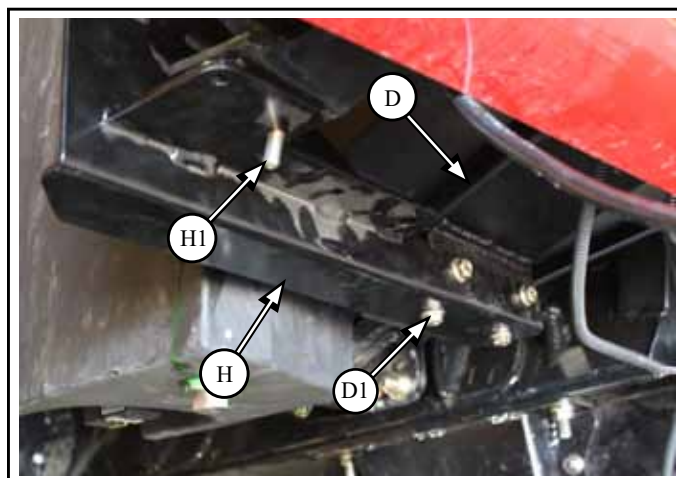
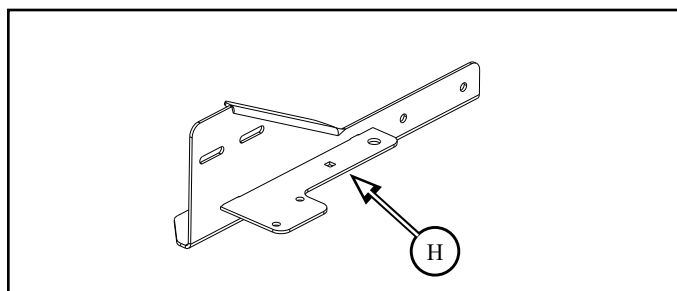
Qty 1

3.3.1 Mount arm panel latch (H) onto the bottom of hanger (D) thru welded holes, with:

- M8 x 20 flange bolt and flange nut (D1) x4

Secure Arm Panel Latch (H) to the factory combine frame with:

- existing hardware (H1)



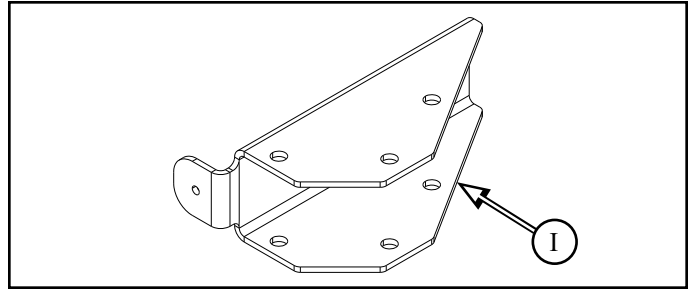
3.4 Bracket Panel Lock Installation

Parts List:

part located in CS917BS box
hardware located in CS850S bag

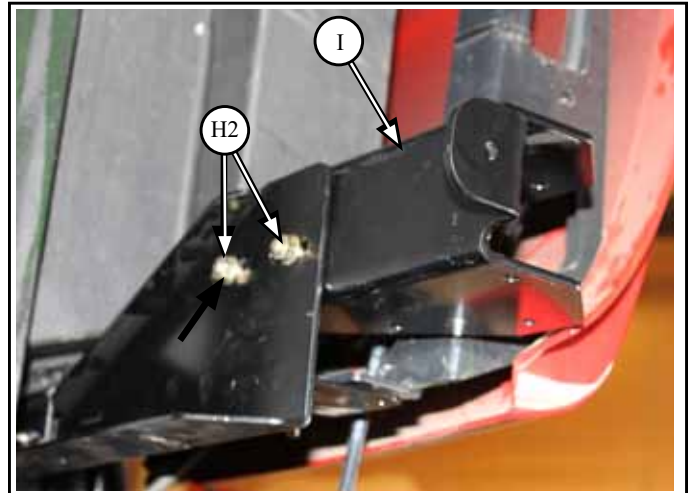
CS786B Bracket Panel Lock (I)

Qty 1



3.4.1 Mount bracket panel lock (I) thru the top side holes in the arm panel latch (H) with:

- M8 x 20 flange bolt and flange nut (H2) x2

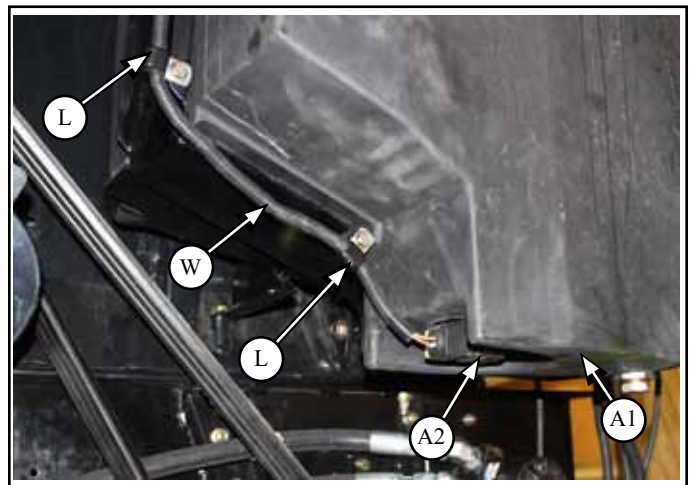
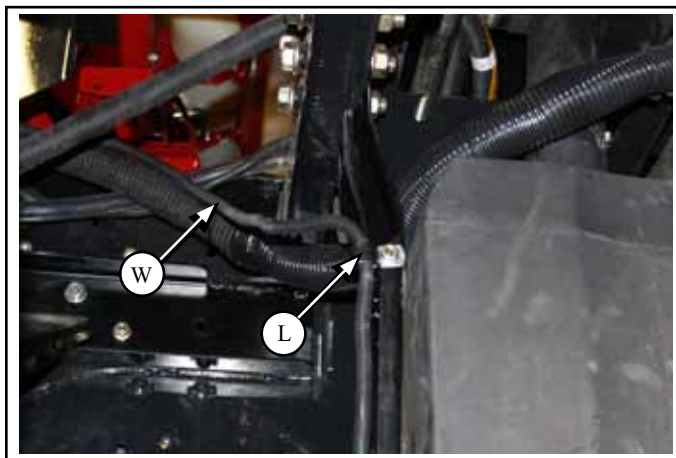
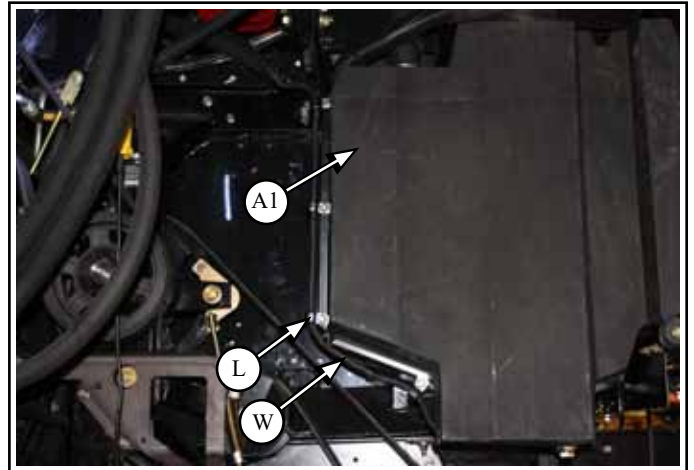
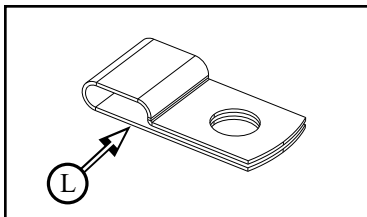


3.5 Existing DEF Harness Re-attachment

Parts List:

240 Series only - DEF quality sensor harness (W) Qty 1

9.7.1 Plug DEF harness (W) at the bottom of DEF tank (A1) into the socket (A2). Mount cable (W) around def tank (A1) all the way to the top. Use RP220 (L) x4 to secure wire



240 Series Only

3.6 Plastic Cable Loom 52 in long Installation

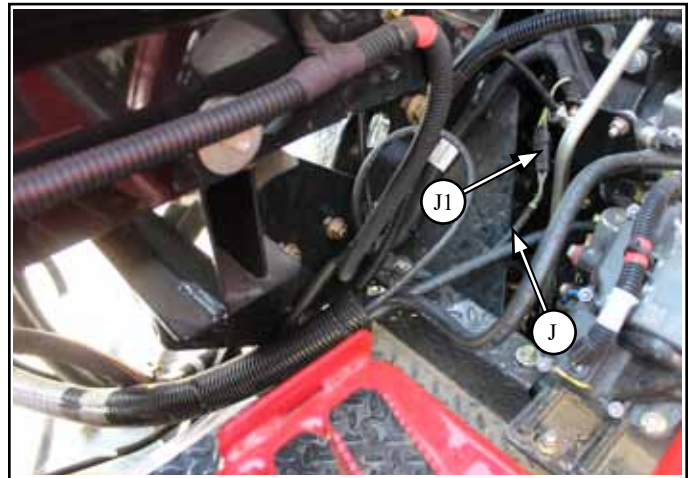
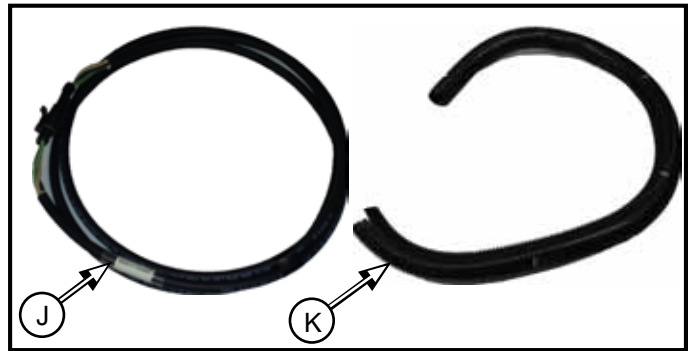
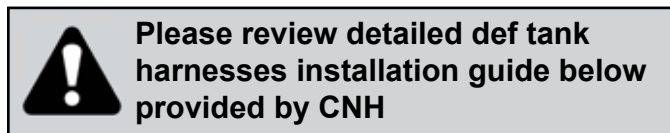
Parts List:

RP925 Harness Electric 3W x 7ft AMP - 240S (J) Qty 1

CS905-01 Plastic Cable Loom 52 in long (K) Qty 1

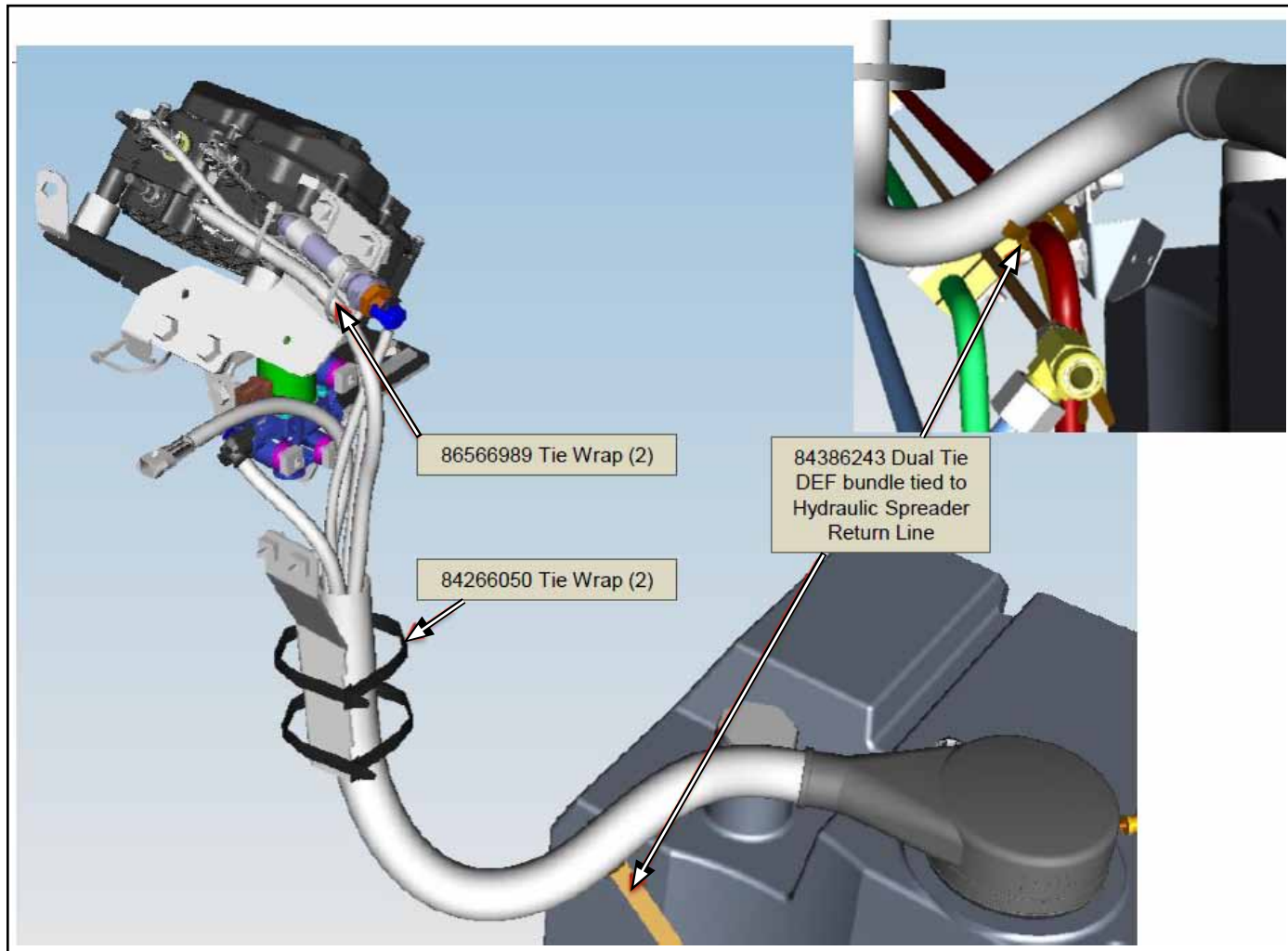


3.6.1 Connect harness (J) at the top roof of combine to into the socket (J1)

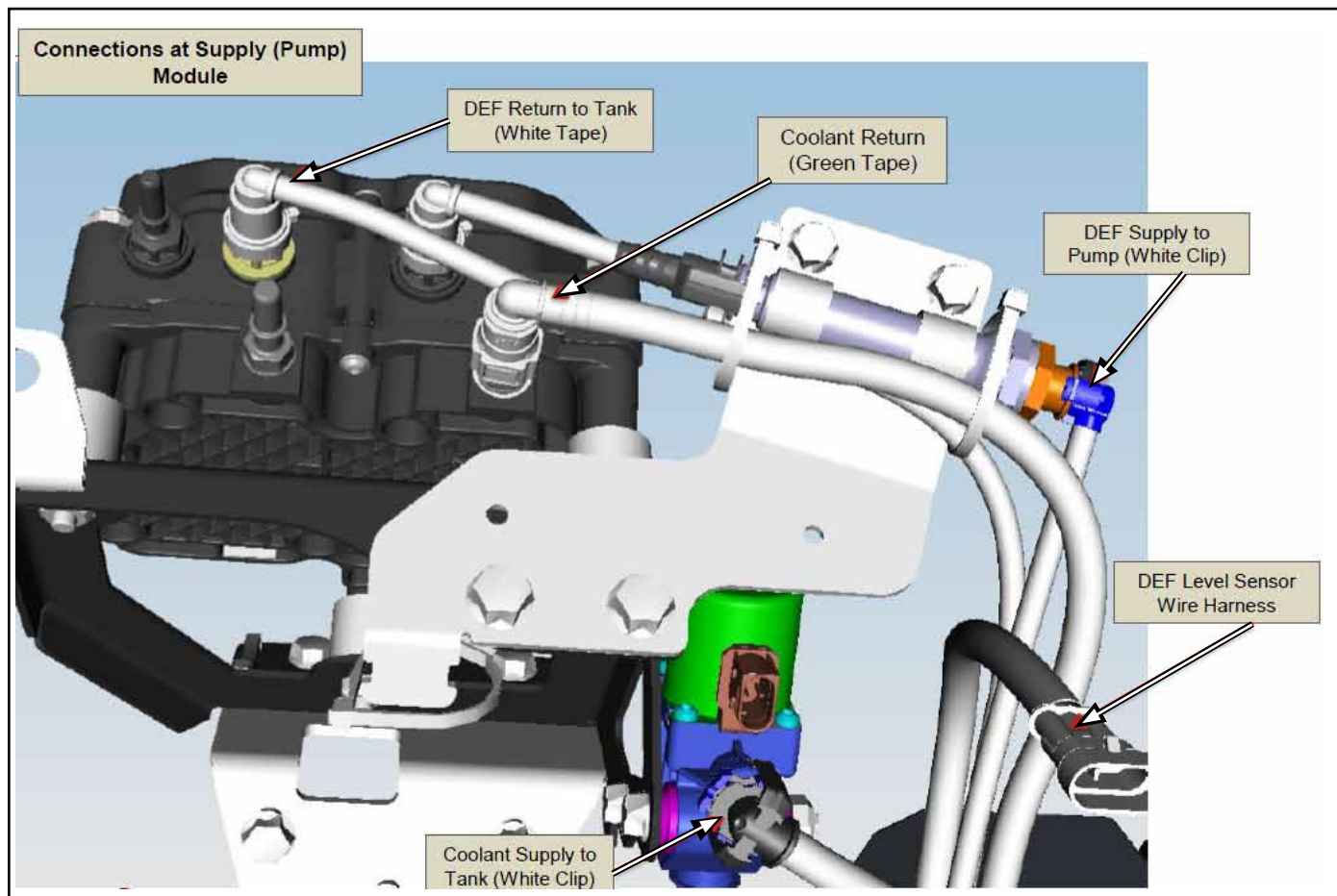


3.7 240 Series DEF Line Extension

- not required for 230 or 250 Series
- this section is for 240 series machines built before Nov. 2016
 - pre Nov. 2016 240 series machines have DEF sender unit #47512674 and DEF harness #47693412 or # 47776423. This harness must be extended 750mm by the dealer.
- post Nov. 2016 240 series machines have DEF sender unit #47958301. For these units, order factory extended DEF harness #48037151



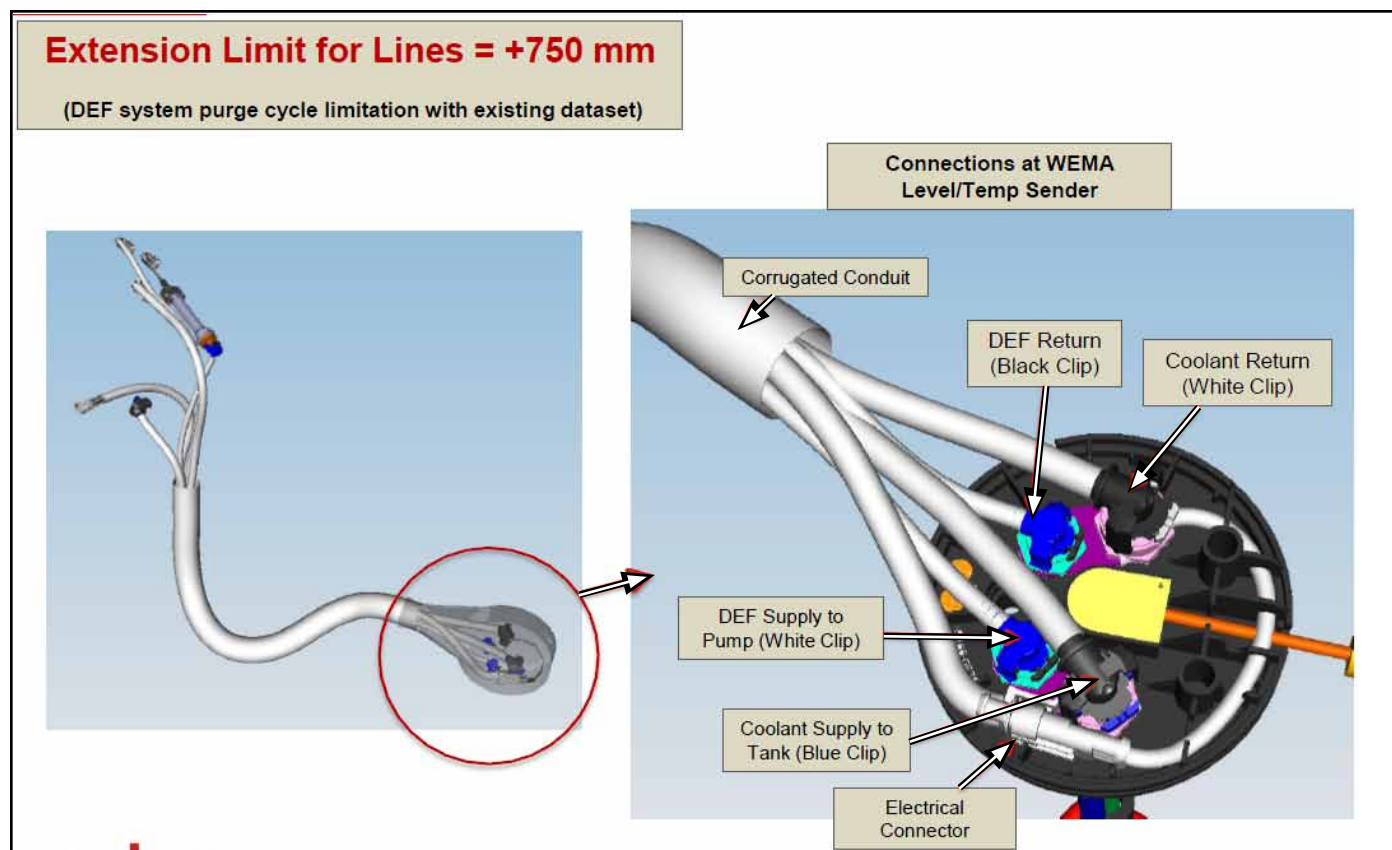
3.7.1 Procedure to extend DEF lines (as supplied by CASE)
- to be completed by dealer



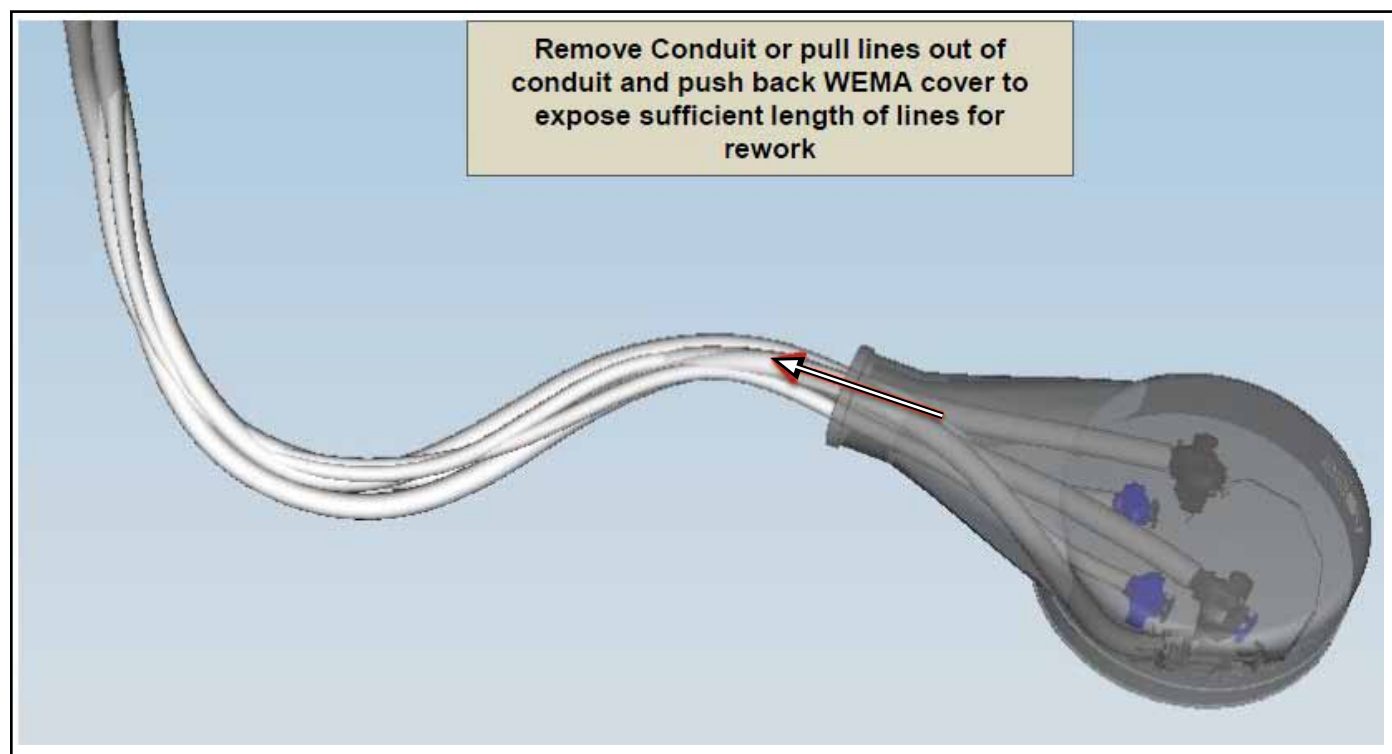
3.7.1.2 47776423 DEF Bundle - Tank to Supply Module

47776423 DEF Bundle can be replaced with 48037151 or extended using procedure below

**** Full 750mm extension required ****



3.7.1.3 47776423 DEF Bundle - Tank to Supply Module



3.7.2 Extending DEF Lines

CNHi Service Parts Needed:

47777353 (qty 2) DEF Line w/ SV246 NG8 Elbow Connector
47777447 (qty 2) Barbed Connector for DEF line
47655259 Tool Box

Blue Clip

White Clip

Cut service line from desired connector end (blue or white) at a length of 800 mm from end of tube

Cut the DEF line on the machine at a point 50 mm from the end of tube)

Use barbed connector and service tools to join the new longer line/connector to the machine line – see video link below

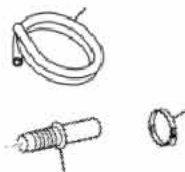
<https://www.youtube.com/watch?v=Kdo9zG0Jrt8>

Use of the tool starts at the 9 ½ minute mark

3.7.3 Extending Coolant Lines

CNHi Service Parts Needed:

84480613 EPDM Hose
84480601 (qty 2) Hose Connector for coolant line
84480356 (qty 2) Hose Clamp
47655259 Tool Box



Cut coolant line here – Leaving smooth section for installation of barbed end of connector

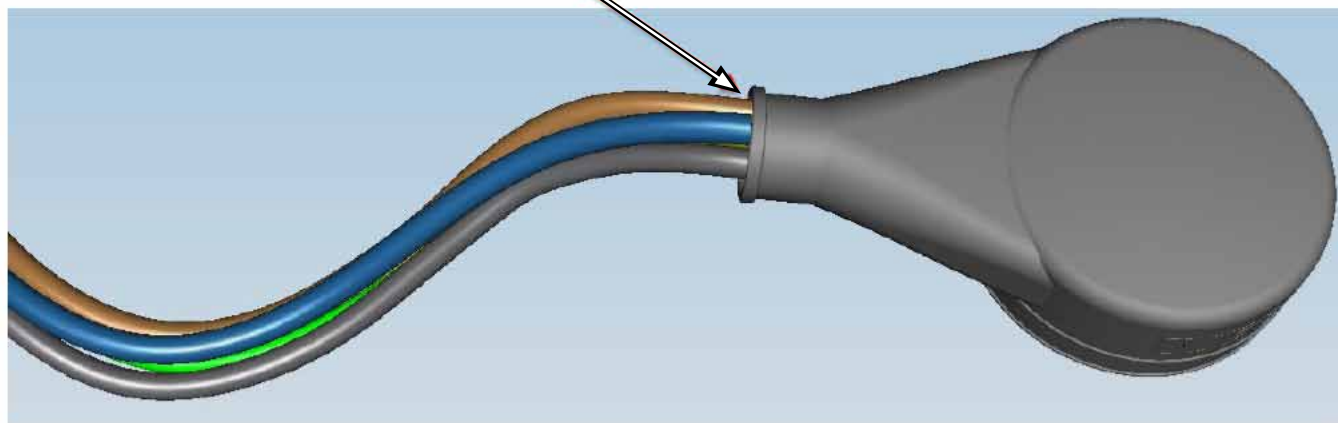
Install barbed end of connectors into corrugated tubes using service tools

Cut EPDM hose to 1000mm length and clamp to connector on each end with hose clamp

250 mm

3.7.4 47776423 DEF Bundle - Tank to Supply Module

After fluid and electrical lines are extended the lines should be covered by an appropriate length of slit corrugated conduit. Conduit should extend about 25mm into the WEMA cover (ID = 42mm)



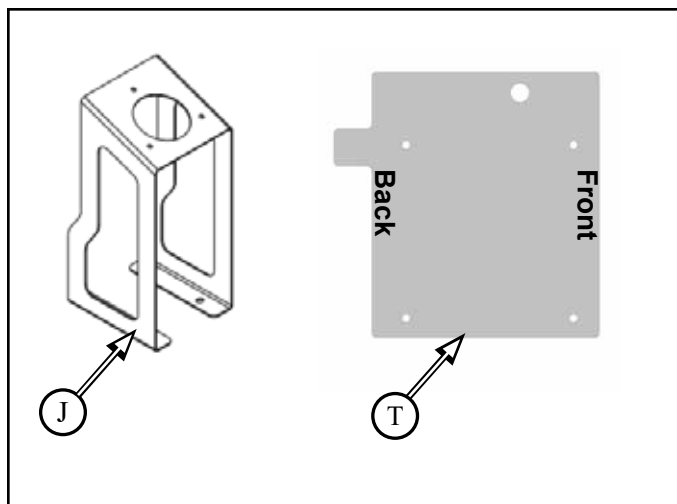
3.8 DEF Tank Fill Tube Relocation

Parts List:

parts located in CS917BS and CS1135BS boxes
hardware located in CS850S bag

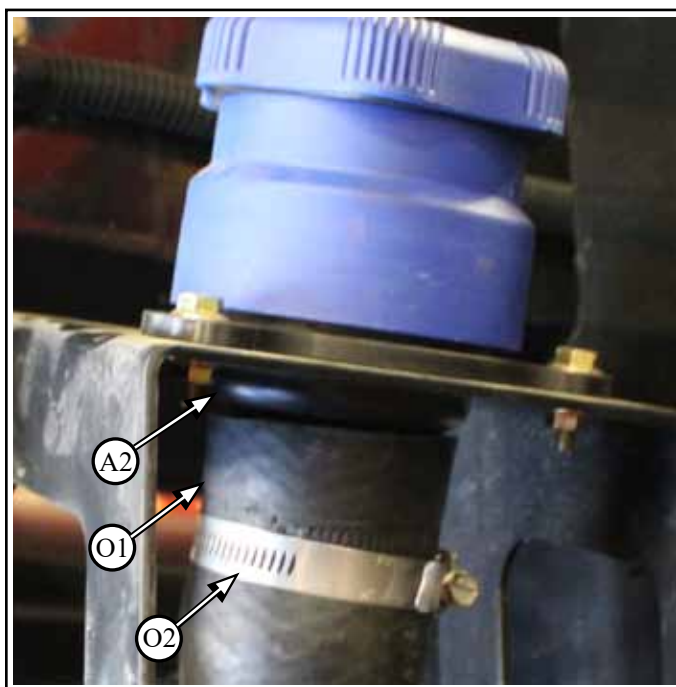
CS805B Bracket Def Fill Tube Mount (J)	Qty 1
Decal #47692590A (O4) (not supplied)	Qty 1
CS805_Template DEF Fill Bracket Template (T)	Qty 1

Note: Template works for MY17 only



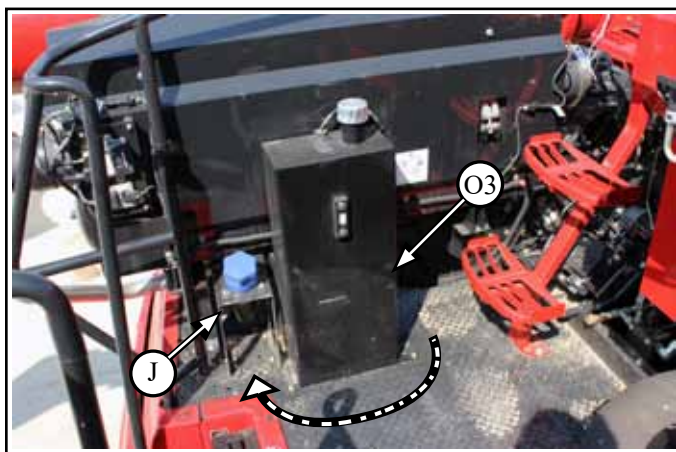
3.8.1 Loosen hose clamp (O2) around filler tube (O1) at DEF filler cap neck(A2)

3.8.1.1 Disconnect filler tube (O1) from DEF filler cap neck (A2)

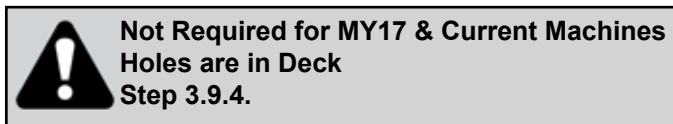
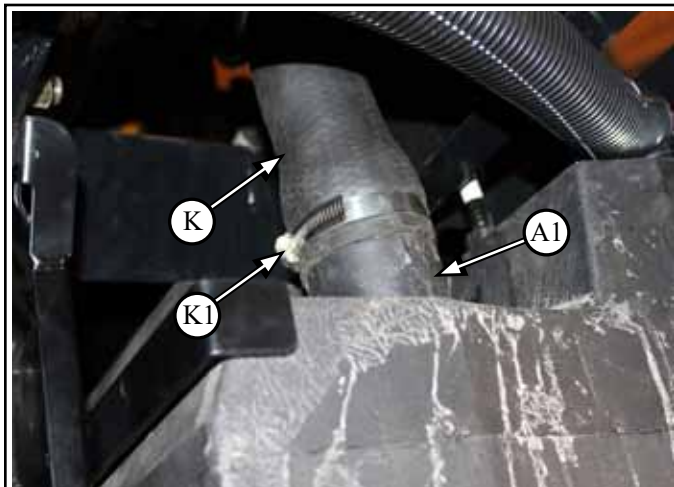


3.8.2 Relocate filler tube mount bracket from front of reservoir tank (O3) to rear of tank

- original mount bracket is not to be reused, use new DEF fill mount bracket (J)

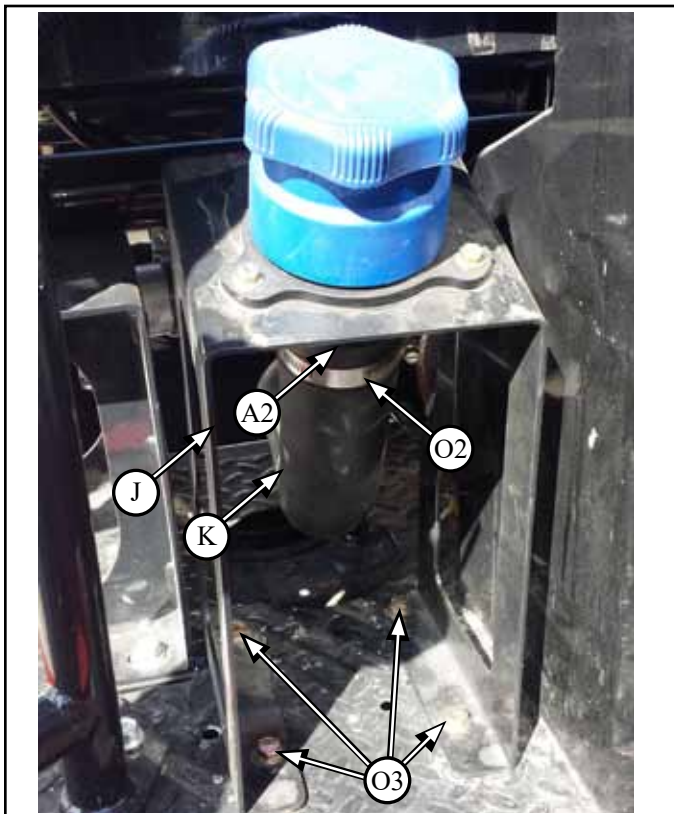


3.8.3 Re-install DEF Filler Hose (**K**) to the DEF Tank (**A1**)
 - tighten hose clamp (**K1**)



3.8.4 Drill 10mm (13/32in) holes (**O3**) x4 into the floor to mount filler tube bracket (**J**)
 - Use CS805_Template (**T**)
 Note: Not required for MY17 Machine and newer

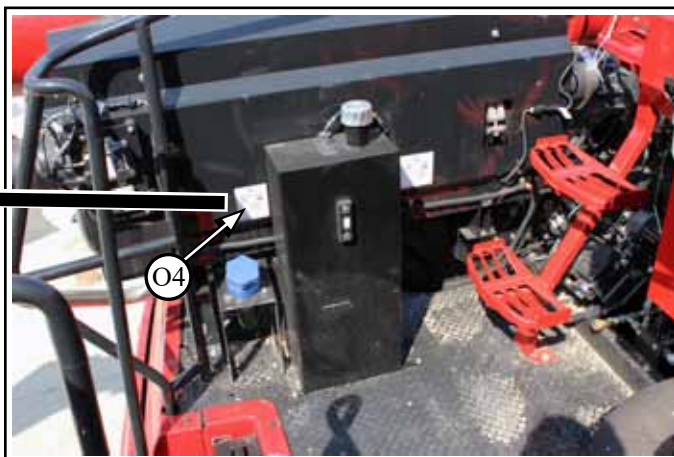
3.8.5 Reattach DEF filler hose (**K**) to the DEF Tank filler cap neck (**A2**) - tighten hose clamp (**O2**)



3.8.6 Attach filler tube mount bracket (**J**) to the floor with existing factory hardware (**O3**)

3.8.7 Apply decal (**O4**) in new location (**O5**) just above relocated DEF filler hose cap (**A**)

Decal #47692590A - order from Case IH Parts

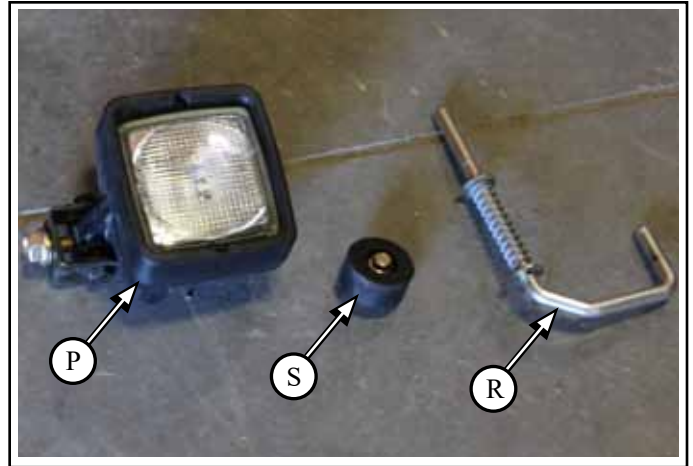


3.9 Rear Left Light Components Installation

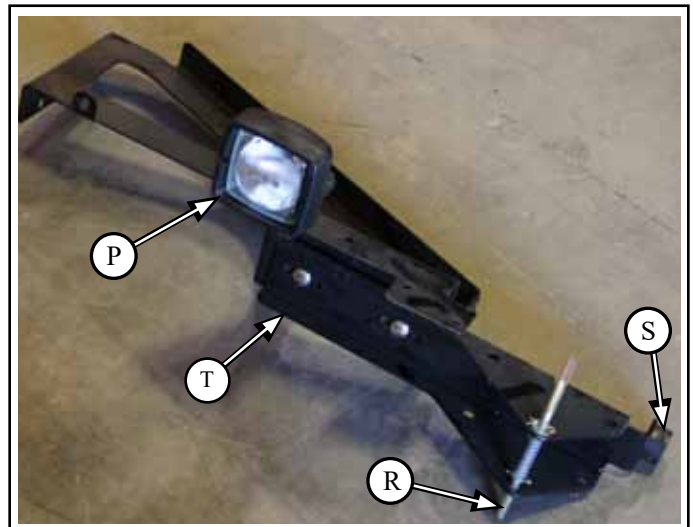
Parts List:

to be re-installed from the factory assembly

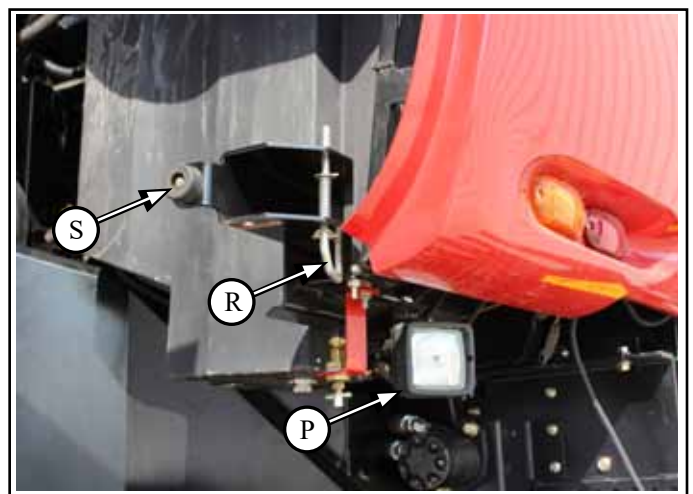
Rear Left Light (P)	Qty 1
Body panel Door Pin (R)	Qty 1
Rubber Bumper Stop (S)	Qty 1



3.9.1 Remove listed above parts (P), (R), (S) from the factory bracket (T)



3.9.2 Install parts (P), (R), (S) on the rear beauty panel of combine in shown locations



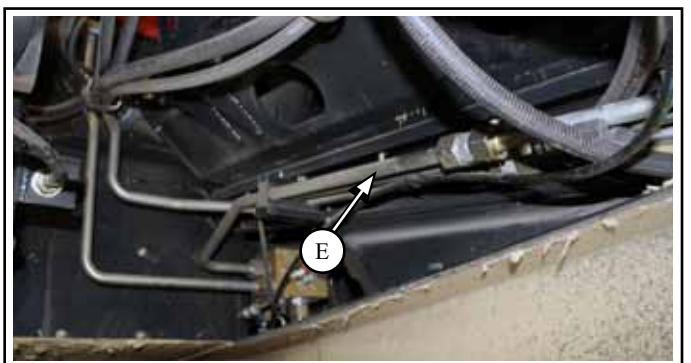
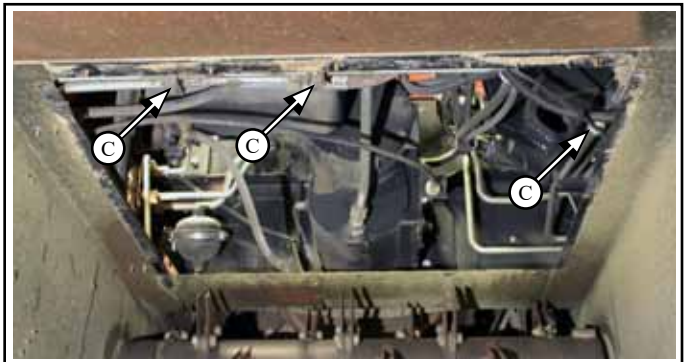
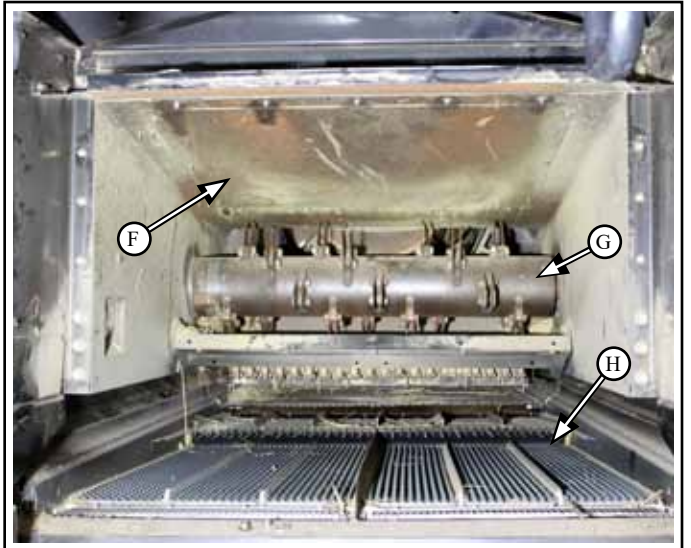
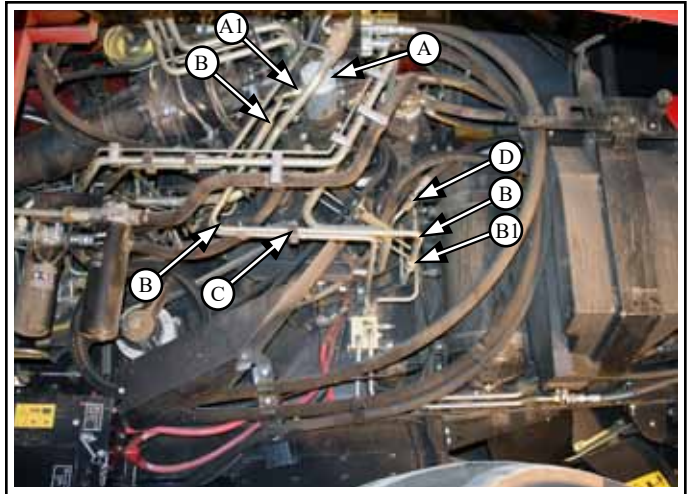
4 Hydraulic Line Modifications



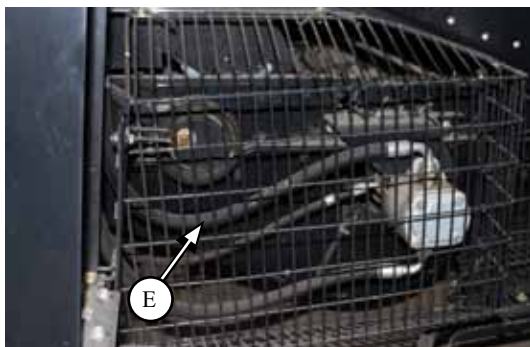
Not Required for MY17 & Current Machines
Hydraulic Line Modified
Steps 4.1 to 4.3.9

Reference:

- A - Pump
- A1 - Pump Connection
- B - Hydraulic Steel Tube (to be removed)
- B1 - Hydraulic Steel Tube Connection
- C - Hydraulic Steel Tube Clamp
- D - Hydraulic Hose Return Line Connection
- E - Hydraulic line (fan side)
- F - Upper Internal Access Panel
- G - Internal Chopper Rotor
- H - Sieve



NOTE: Newer models already have the hydraulic line (L) relocated as seen in the picture above



4.1 Hydraulic line changes at PTO

**** If available - use vacuum at reservoir to reduce oil leakage ****

Parts List:

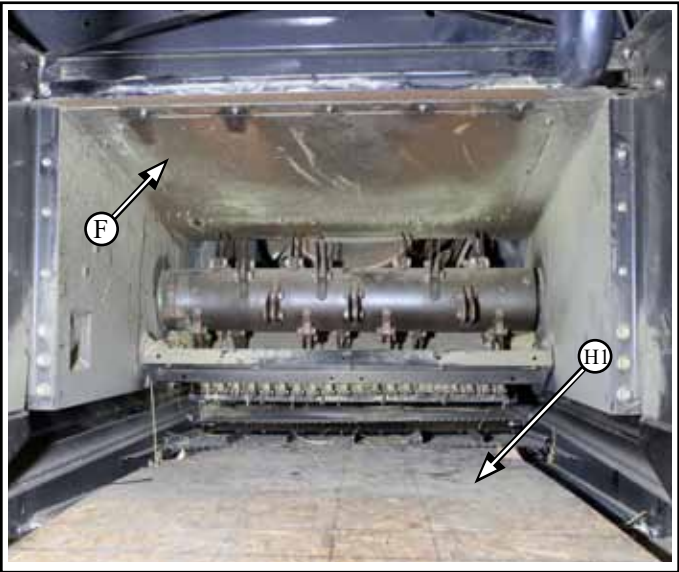
parts located in CS1135BS box
hardware located in CS839S bag

HH112	Hydraulic Hose .625 x 148L (I)	Qty 1
H99-12	Hose Clamp .75 (L)	Qty 8
H99-14	Hose Clamp .875 (M)	Qty 8
H99-18	Hose Clamp 1.125 (N)	Qty 6
H99-20	Hose Clamp 1.25 (P)	Qty 4

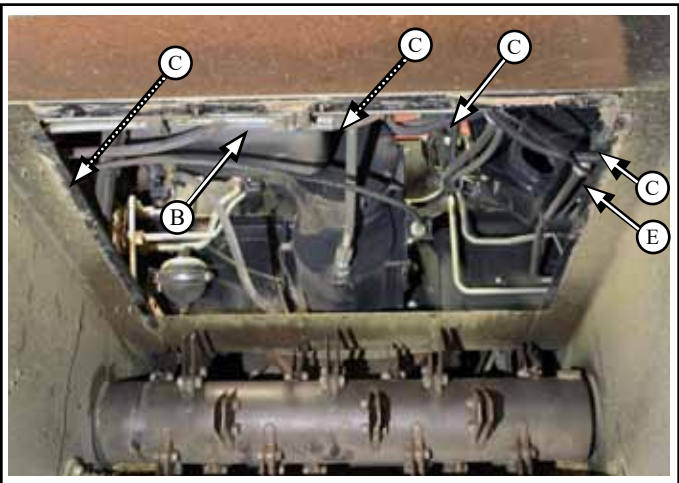


4.1.1 Lay plywood (H1) on top of sieve (H) to prevent damaging sieve (H)

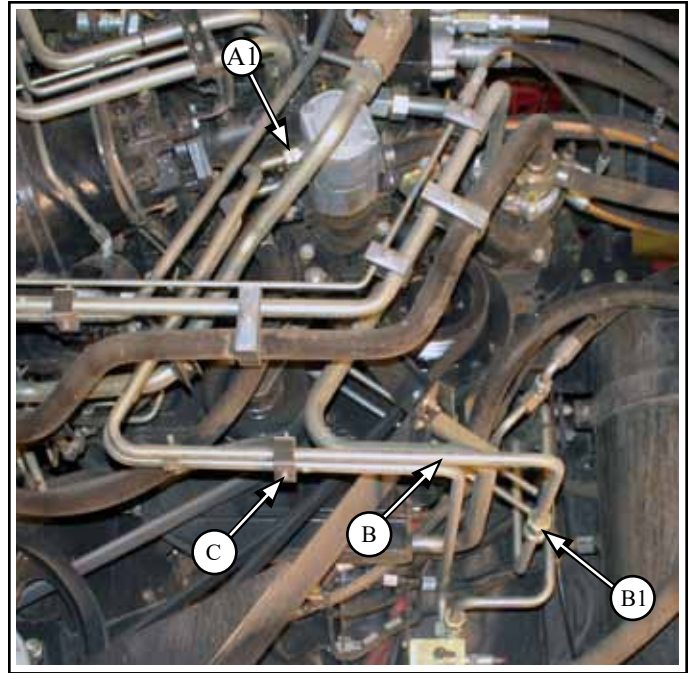
4.1.2 Remove upper access panel (F)
**** Nuts are not welded on combine at rear of panel, use caution not to lose them ****
- to be reinstalled
- keep all factory hardware



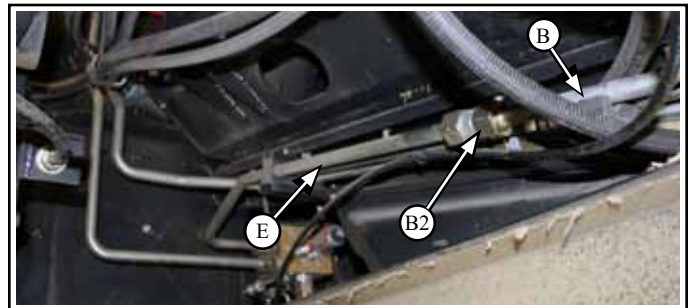
4.1.3 Remove hose clamps (C) securing steel hydraulic line (B) running from pump (A) on outer combine wall to connection (E) in upper access area
- qty as required



4.1.4 Remove hose clamps (**C**) securing hydraulic steel line (**B**) on outside of left combine wall (drive side).
- qty as required

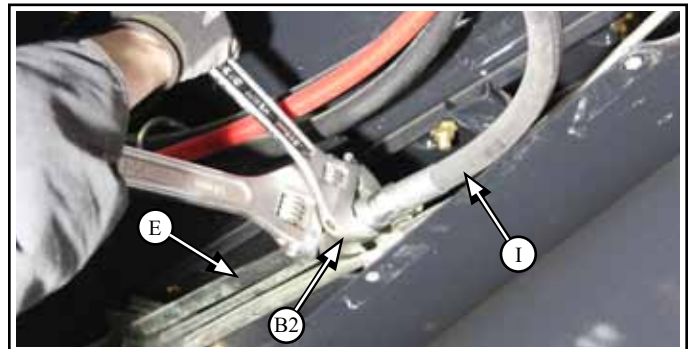


4.1.5 In combine upper access panel - Quickly disconnect hydraulic steel line (**B**) from fan side hydraulic line (**E**) at fitting (**B2**)
- have a container ready to catch any fluid that may leak
- plug end of steel line removed or drain fluid in line after disconnecting

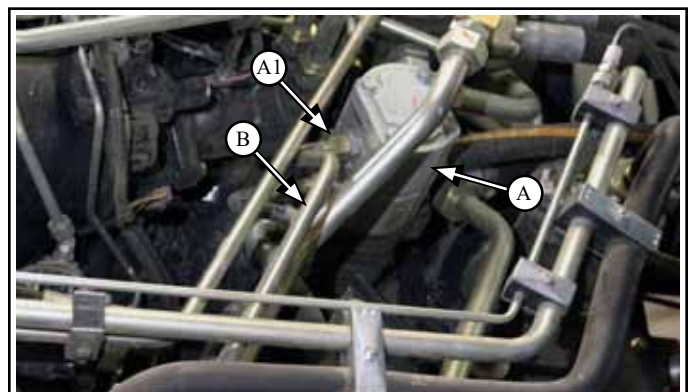


4.1.6 Connect new hydraulic rubber hose (**I**) to line (**E**) at fitting (**B2**)
- HH112 Hydraulic Hose .625 x 148L (**I**)

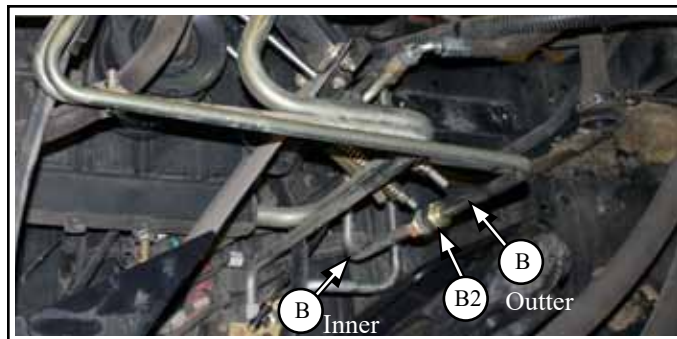
Some machines require adapter
- H28-1212 Fit Hyd Str 12 MORFS - 12 MORFS Qty 1



4.1.7 Quickly disconnect steel hydraulic line (**B**) from pump (**A**) at fitting (**A1**)
- have a container ready to catch any hydraulic fluid that may leak out from the steel line (**B**) or pump (**A**)
- plug end of steel line removed or drain fluid in line after removing



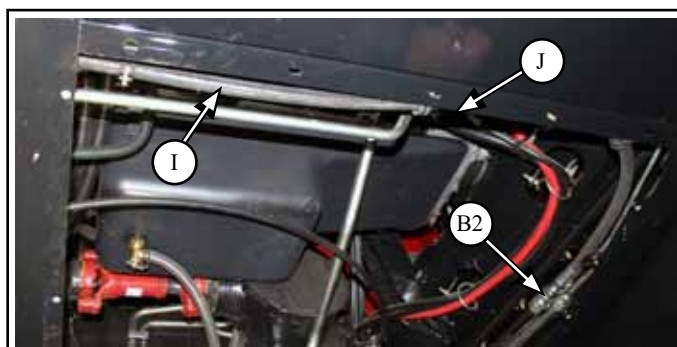
4.1.8 Disconnect outer hydraulic steel line (**B**) from inner hydraulic steel line at fitting (**B1**)
- not to be reused



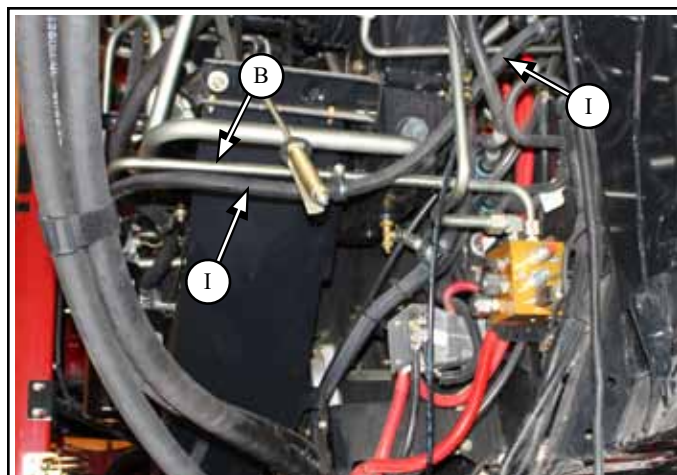
4.1.9 Rotate inner hydraulic steel line (**B**) and pull through left combine side wall
- not to be reused



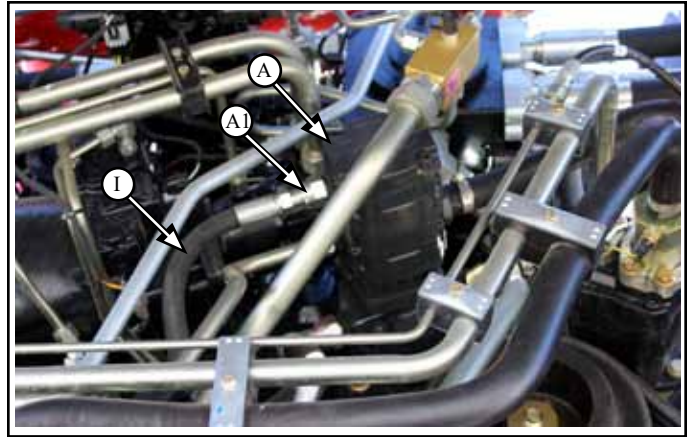
4.1.10 Place new hydraulic rubber hose (**I**) from connection (**B2**) up along upper access edge (**J**) to the outside thru left combine side wall hole (same direction as previous steel line)



4.1.11 Place new hydraulic rubber hose (**I**) along the existing steel line (**B**) up to the pump (**A**)

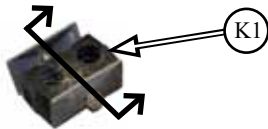


4.1.12 Connect new hydraulic rubber hose (I) to pump (A) at fitting (A1)
 - have a container ready to catch any hydraulic fluid that may leak out from the pump (A)

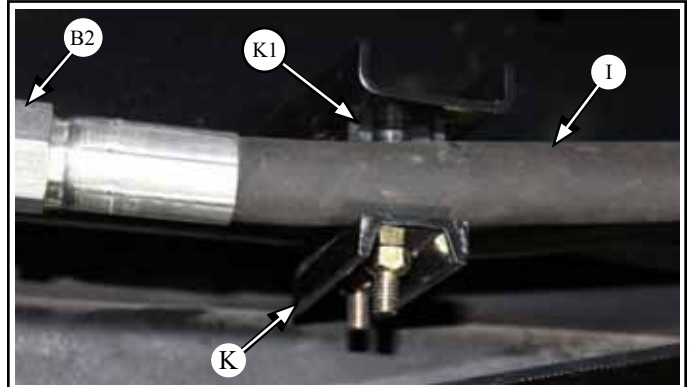


4.1.13 Re-attach factory hose clamp bracket (K) to new hydraulic rubber hose (I) at connection (B2) in upper access

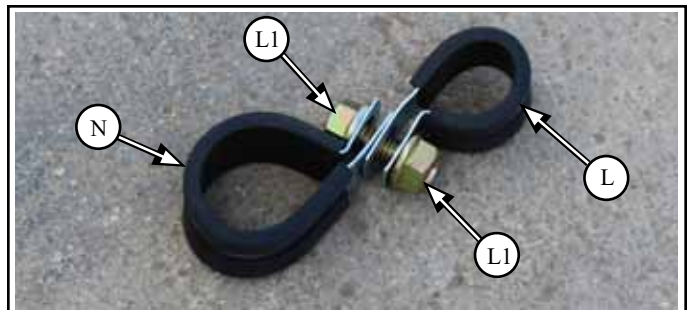
4.1.13.1 Cut plastic (K1) in half from steel line hose clamp being replaced



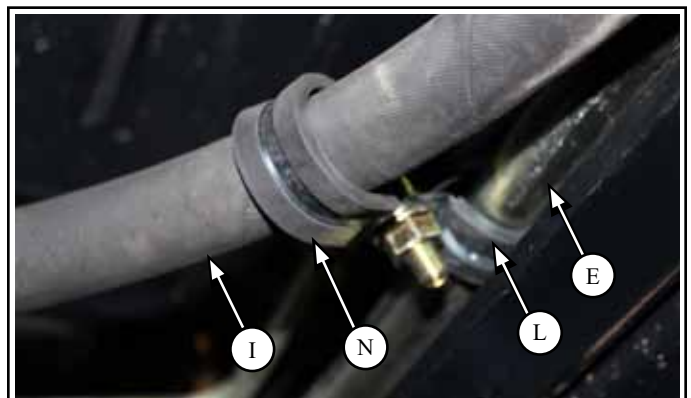
4.1.13.2 Place over hose and in between steel clamp for hose protection



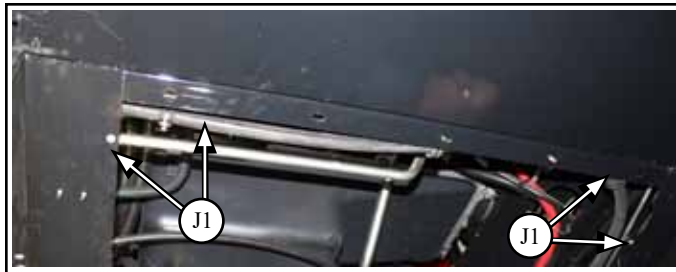
4.1.14 Assemble hose clamp .75 (-12) (L) and 1.125 (-18) (N) together qty 4 with:
 - M8 x 20 flange bolt and flange nut (L1) x4



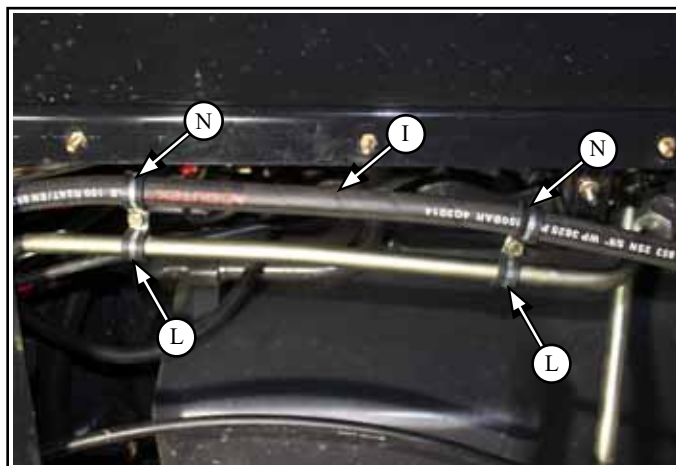
4.1.15 In upper internal access area, install hose clamp assembly (N) onto hydraulic rubber hose (I) and secure clamp (L) to hydraulic steel line (E)



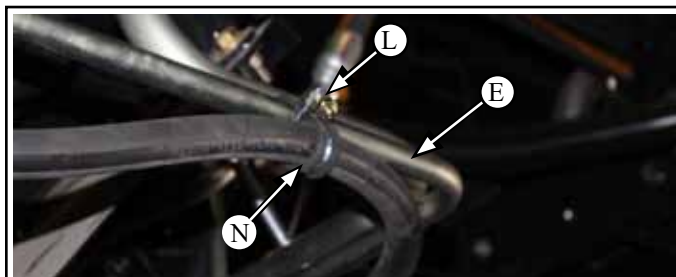
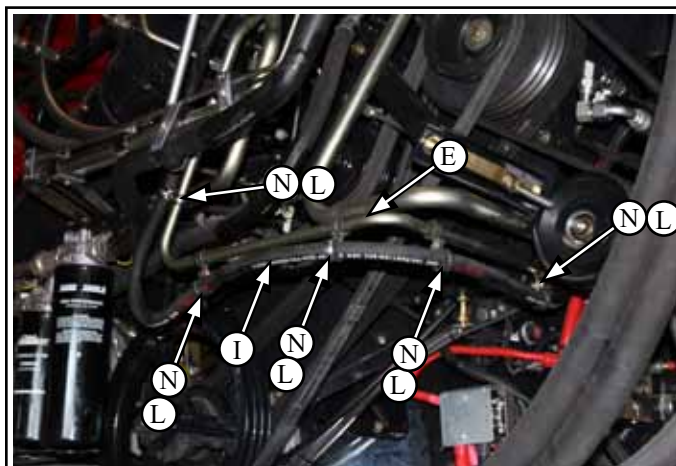
4.1.15.1 Install 2 clamp assemblies at each corner (**J1**)



4.1.16 Install hose clamp 1.125 (-18) (**N**) x2 onto hydraulic rubber hose (**I**)



4.1.17 Install hose clamp assembly 1.125 (14) (**N**) x5 onto hydraulic rubber hose (**I**) and secure clamp .75 (12) (**L**) x5 to hydraulic steel lines (**E**)
- ensure clamps are tight and hose is not rubbing on any moving parts

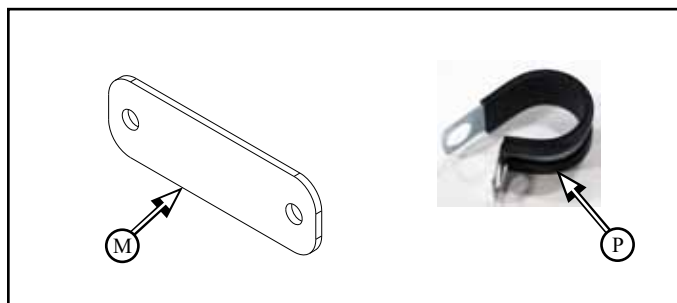


4.1.19 Secure PTO Gearbox Return Tube

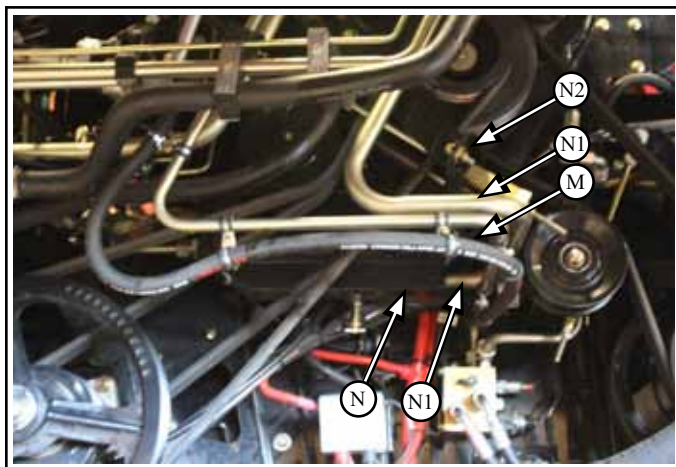
Parts List:

parts and hardware located in CS1132BS box / CS825S bag

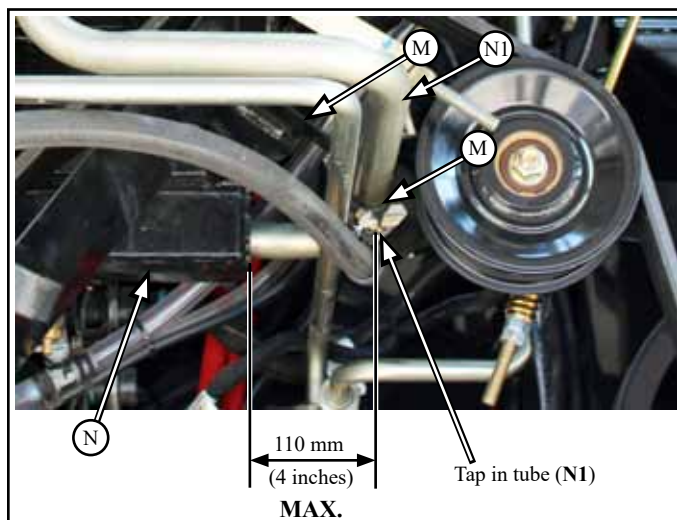
CS874Z	Strap AFX sump line (M)	Qty 1
H99-20	Hose Clamp 1.25 (P)	Qty 1



4.1.19.1 Secure PTO Gearbox Return Tube (N1) to combine tensioner bracket (N2) with Strap (M)



4.1.19.2 Ensure PTO Gearbox Return Tube (N1) is 110mm (4 inches) max from PTO Reservoir (N)
- tap tube (N1) into PTO Reservoir (N) as required
(tube is held into reservoir by a pressure fit o-ring and can be pushed or pulled in or out of the reservoir easily)

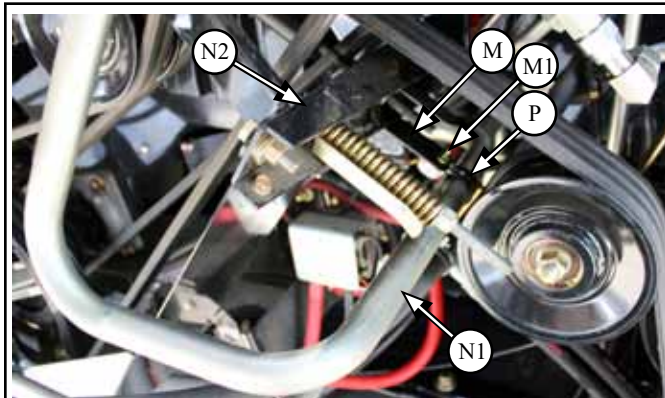


4.1.19.3 Attach strap (**M**) to bottom of combine tensioner mount bracket (**N2**) with:

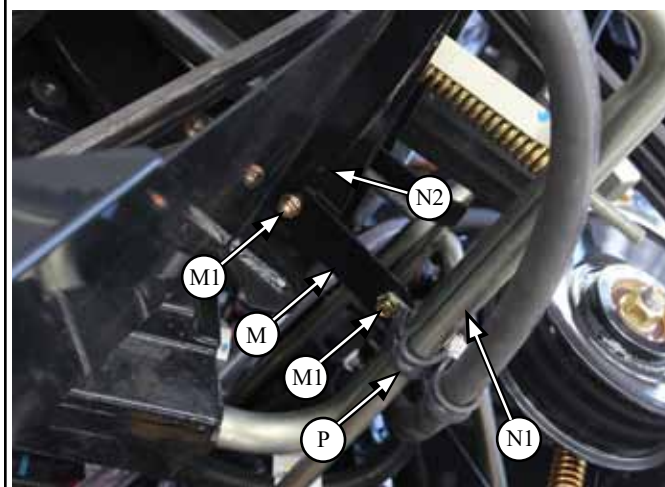
- M8 x 25 flange bolt and flange nut (**M1**)

4.1.19.4 Attach hose clamp (-20) (**P**) to tube (**N1**) and fasten to clamp (**M**) with:

- M8 x 25 flange bolt and flange nut (**M1**)



View from above - looking down



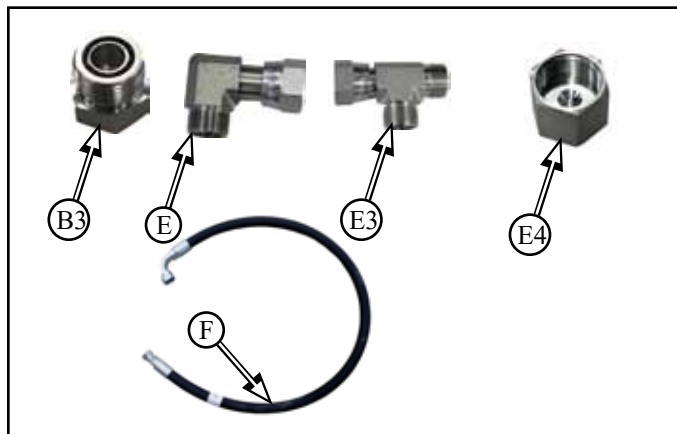
View from below - looking up

4.2 Return Line Changes - if equipped with hydraulic knifebar valve (A)
**** This procedure is easiest when upper internal access panel is removed ****

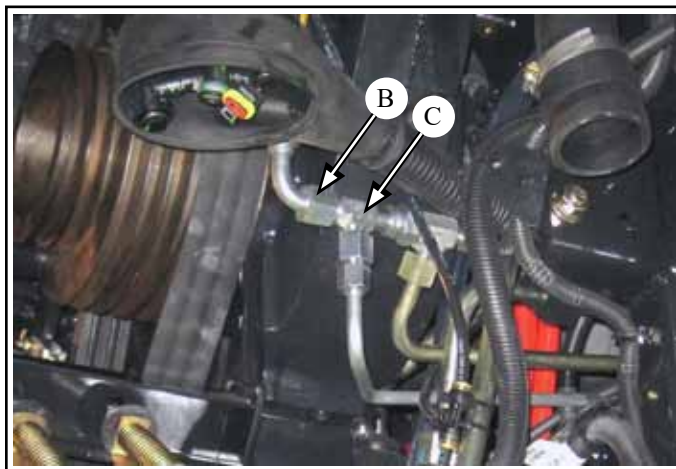
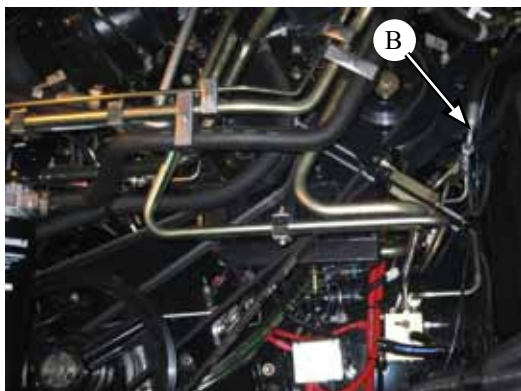
Parts List:

parts located in CS1135BSS box / CS1136S bag

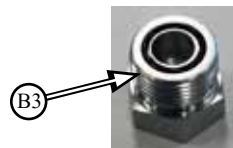
H17-10	Fit Hyd Plug Hex 10 MORFS (B3)	Qty 1
H38-1010FFX	Fit Hyd 90deg 10 MORFS-10FORFSX (E)	Qty 3
H49-1010FOFS	Fit Hyd Tee 10 MORFS-10 MORFS (E3)	Qty 2
H14-10F	Fit Hyd Cap 10 FORS (E4)	Qty 1
HH114	Hydraulic Hose .5 x 57L (F)	Qty 1



4.2.1 Disconnect hydraulic hose (B) from tee fitting (C)
 - have pail ready to catch oil flow from disconnected hose - **LARGE FLOW!!**
 - Use Vacuum on Hydraulic Tank to Reduce Oil Flow

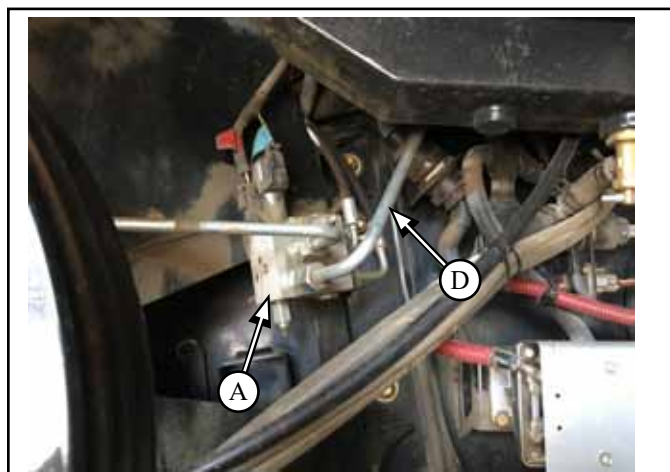


4.2.1.2 Insert new hydraulic cap (B3) into hydraulic hose (B)
 just disconnected to stop oil flow from hydraulic reservoir tank

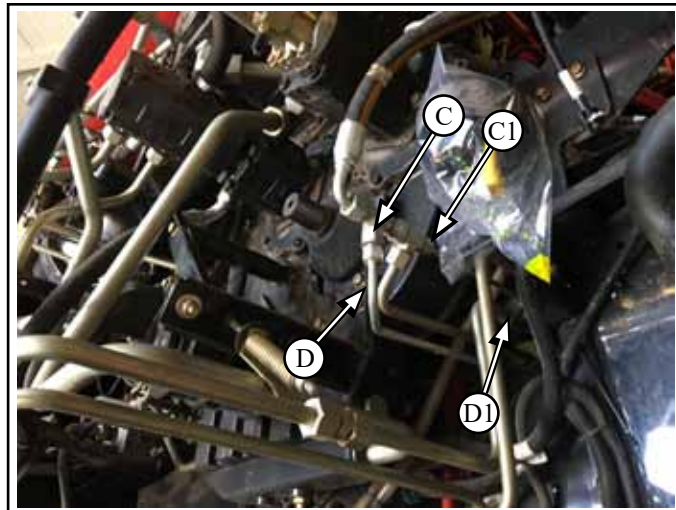


4.2.2 Disconnect steel hyd line (D) from knifebar valve (A)
 - have pail ready to catch oil flow from hyd line (D)

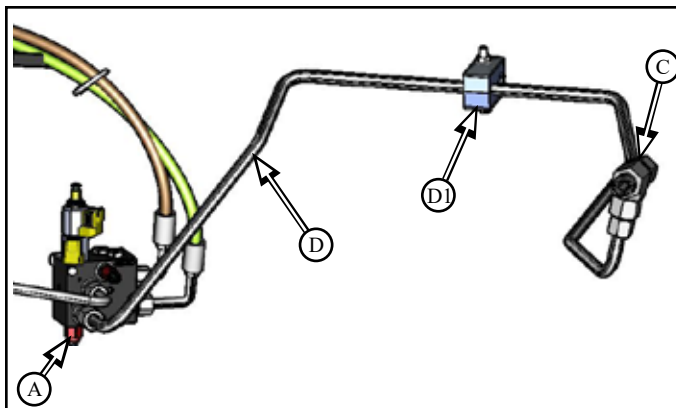
4.2.2.1 Drain steel hyd line (D)



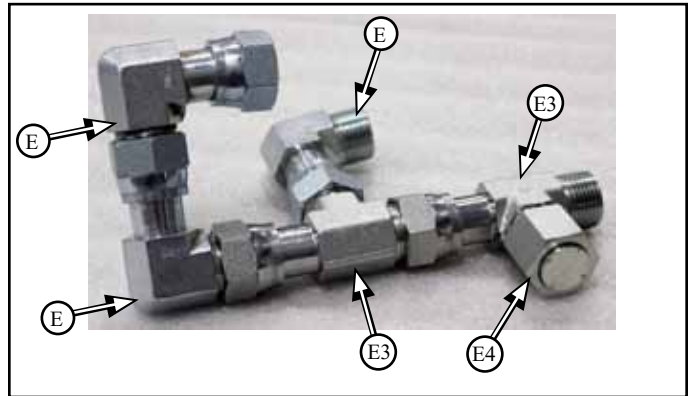
- 4.2.3** Disconnect steel hyd line (**D**) from tee fitting (**C**)
- 4.2.4** Remove hose clamp (**D1**) from steel hyd line (**D**)
- 4.2.5** Remove steel hyd line (**D**)
- not to be reused
- 4.2.6** Disconnect tee fitting (**C**) from hyd line/fitting (**C1**)



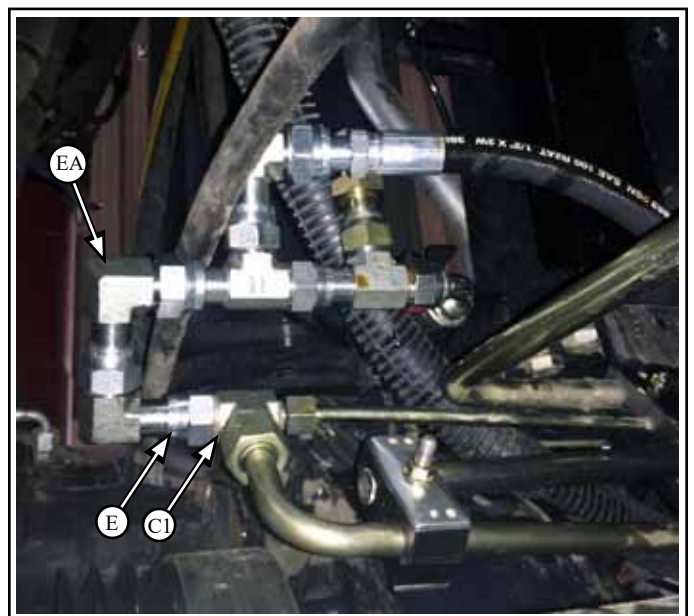
Reference illustrating hydraulic steel tube (D) being removed



4.2.7 Assemble hydraulic fittings into configuration as shown (**EA**)

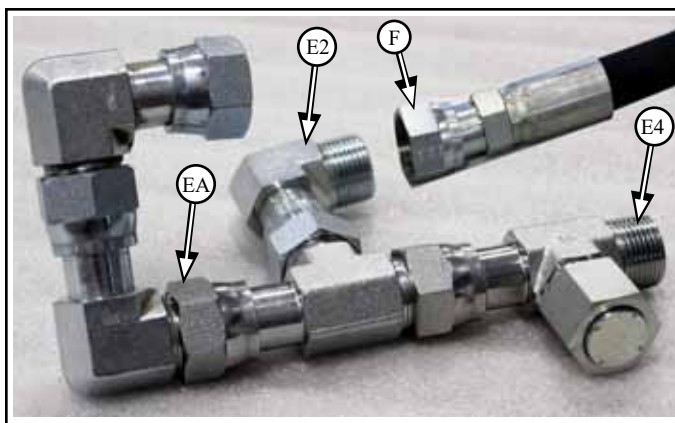
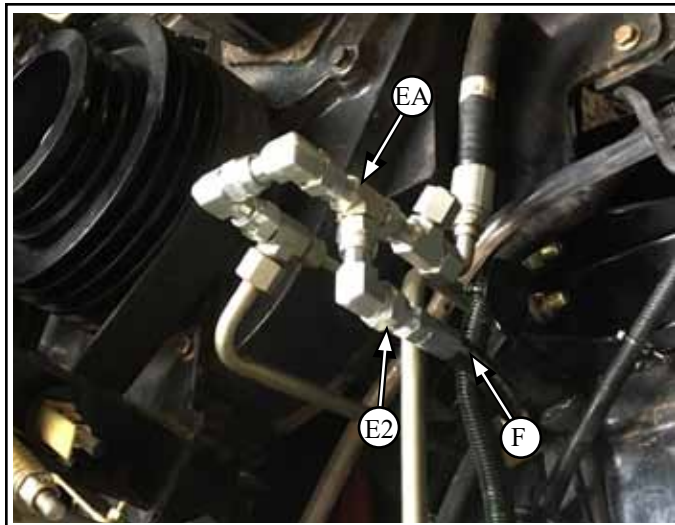


4.2.8 Connect new hydraulic fitting assembly (**EA**) end (**E**) to hyd line/fitting (**C1**)



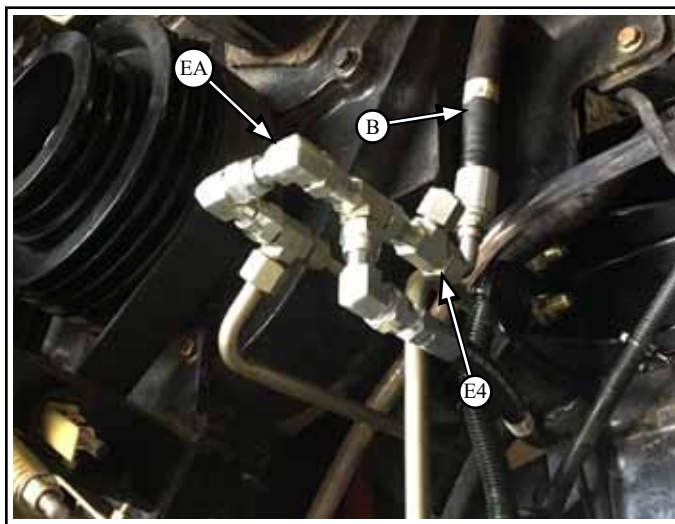
4.2.9 Connect new hydraulic rubber line (**F**) to new hydraulic fitting assembly (**EA**) at end (**E2**)

4.2.9.1 Connect new hydraulic rubber line (**F**) to hydraulic knifebar valve (**A**)
- use same routing as hydraulic steel line (**D**) just removed



4.2.10 Connect hydraulic hose (**B**) from reservoir tank to new hydraulic fitting assembly (**EA**) at end (**E4**)
- quickly remove plug (**B1**) from end of hose (**B**) and connect to minimize oil leakage

4.2.10.1 Orientate fittings (**EA**) in line with belt

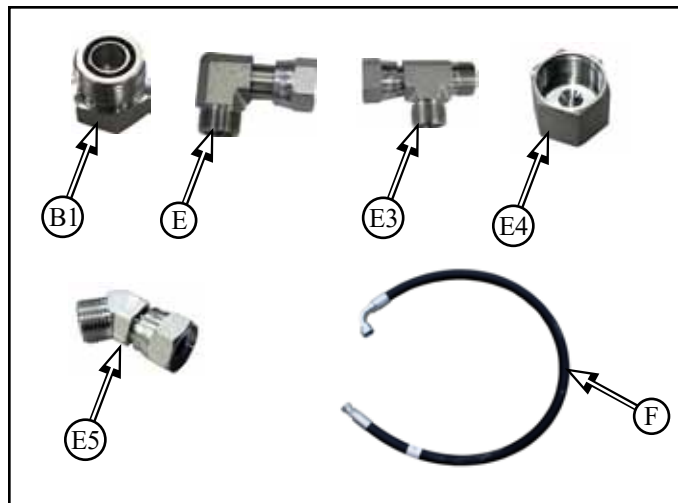


4.3 Return Line Changes - if NOT equipped with hydraulic knifebar valve (A) (Relocation of reservoir hydraulic line)

Parts List:

parts located in CS1135BSS box / CS1136S bag

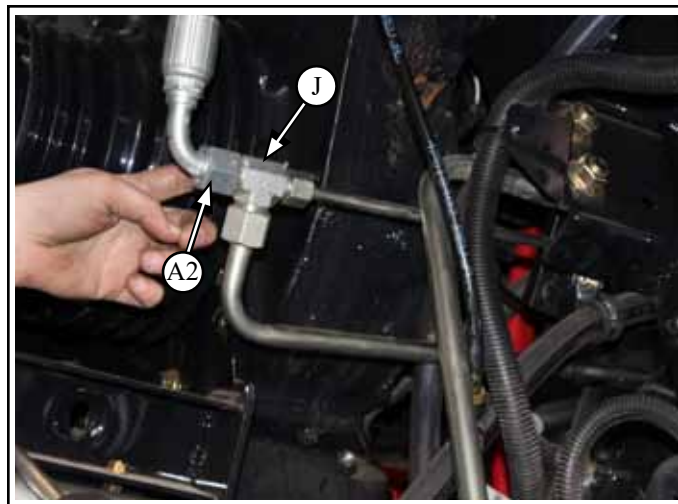
H17-10	Fit Hyd Plug Hex 10 MORFS (B1)	Qty 1
H38-1010FFX	Fit Hyd 90deg 10 MORFS-10FORFSX (E)	Qty 2
H49-1010FOFS	Fit Hyd Tee 10 MORFS-10 MORFS (E3)	Qty 1
H14-10F	Fit Hyd Cap 10 FORS (E4)	Qty 1
HH114	Hydraulic Hose .5 x 57L (F)	Qty 1
H33-1010FFX	Fit Hyd 45deg 10 MORFS x 10 FORFS (E5)	Qty 1



4.3.1 Disconnect factory hydraulic line (A2) from tee fitting (J)

- have oil pail ready - **LARGE FLOW!!**

4.3.1.1 Install hydraulic plug (B1) into end of hose (A2) to stop oil flow



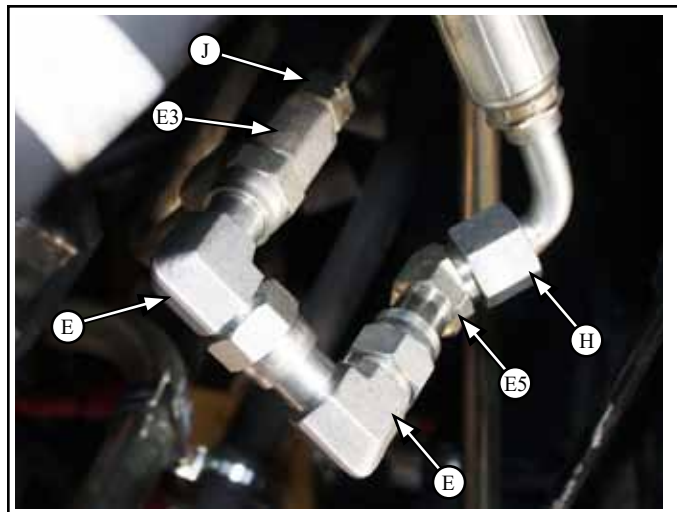
4.3.2 Connect hydraulic line (**J**) to tee fitting (**E3**)
- rotate fittings down and to clear V Belt

4.3.3 Connect hydraulic tee fitting (**E3**) to 90 degree fitting (**E**)

4.3.4 Connect hydraulic 90 degree fitting (**E**) to 90 degree fitting (**E**)

4.3.5 Connect hydraulic 90 degree fitting (**E**) to 45 degree fitting (**E5**)

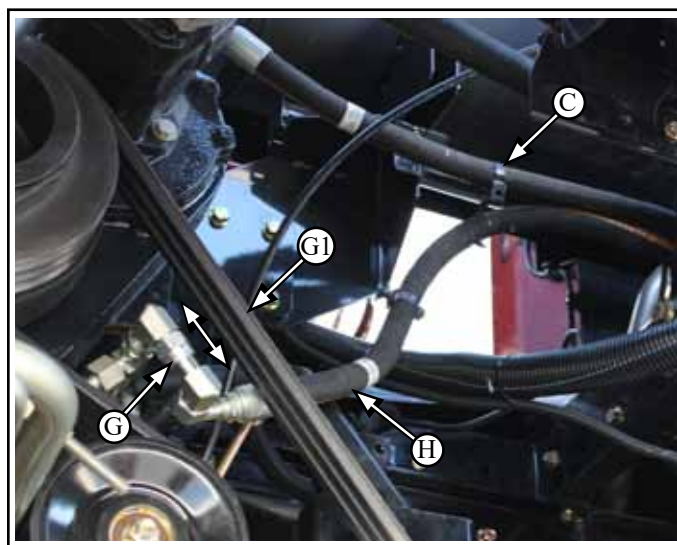
4.3.6 Connect hydraulic hose (**H**) to 45 degree fitting (**E5**)



4.3.7 Ensure all connections are tight

4.3.7.1 Orientate fittings (**G**) in line with belt (**G1**)

4.3.8 Secure hydraulic hose (**H**)
- use tie straps and tube clamps



4.3.9 Reinstall upper access panel (**F**) with existing CASE Hardware



5 Sieve Extension Installation

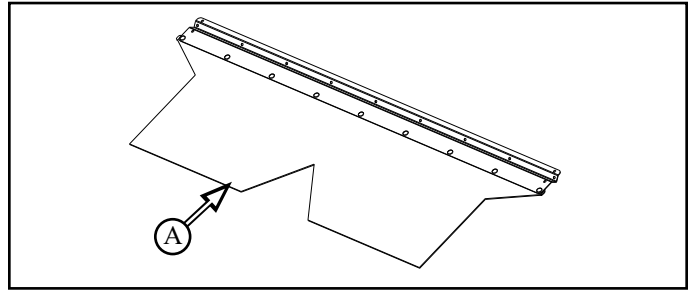
If SCU is being installed, reference SCU Installation Manual

5.1 Sieve Extension Installation

Parts List:

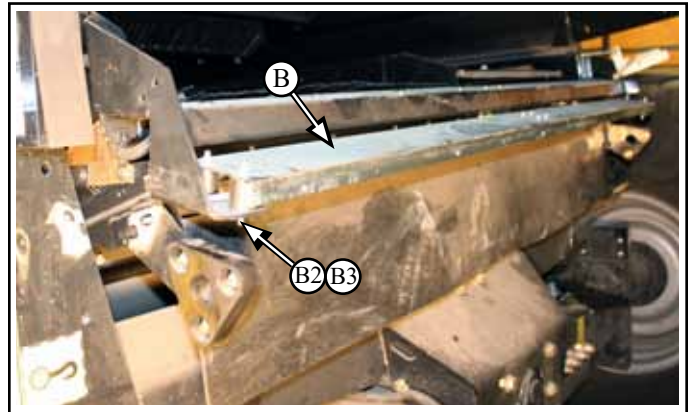
parts located on pallet

CS1095BA Sieve Extension Assy AFX (A) Qty 1

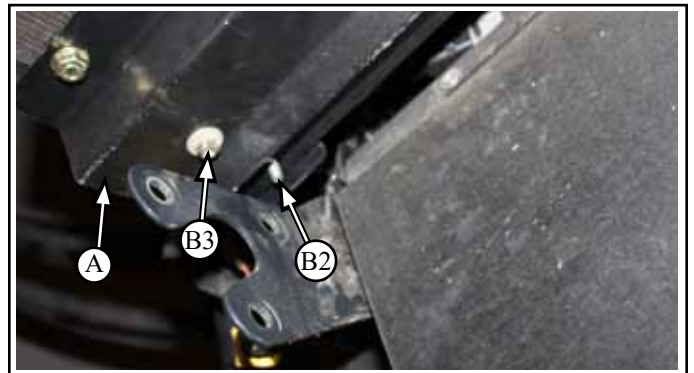


5.1.1 Remove existing nuts and flat washers (B3) x4 from bottom of grain loss monitor pan (B)

5.1.2 Install sieve extension assembly (A) to the bottom of grain loss monitor pan (B) on to existing bolts (B2)



5.1.3 Use existing flat washers and nuts (B3) x4 to mount to the existing bolts (B2) through the grain loss monitor pan (B) (2 on each side)



5.1.4 Installed sieve extension (A) view



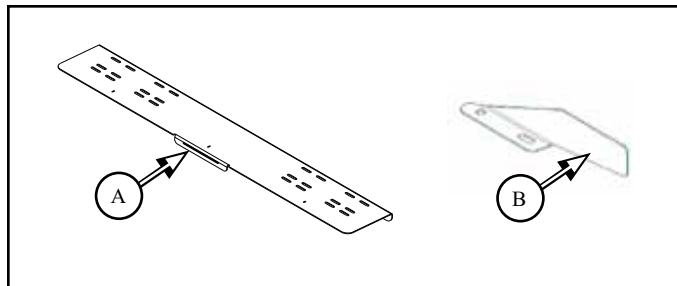
6 Chaff and Internal Deflectors

6.1 Internal Deflector Installation

Parts List:

parts located on pallet and CS1130BS box
hardware located in CS672S bag

CS1120B	Internal Baffle Mount Plate (A)	Qty 1
CD733B	Internal Fin (B)	Qty 2

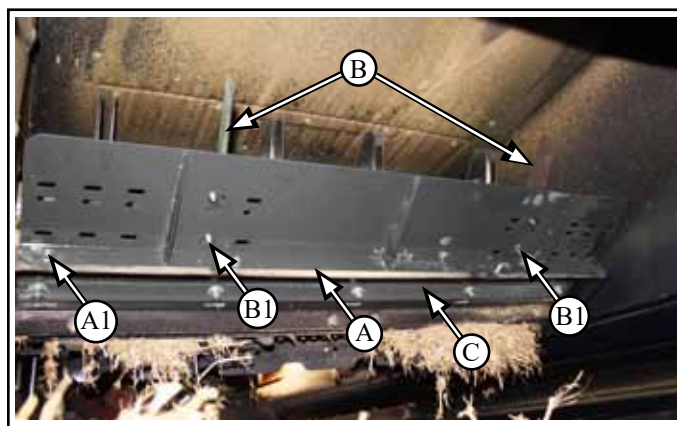


6.1.1 Mount baffle mount plate (A) flush with top of pan (C) with:

- M10 x 20 flange head bolt and flange nut (A1) x4

6.1.2 Mount deflector fins (B) onto top of mounting plate (A) with:

- M8 x 16 round head bolt and flange nut (B1) x4



INTERNAL DEFLECTOR SETTING

The internal deflectors (**B**) are used to adjust and distribute straw evenly into the Redekop Straw Chopper

6.1.3 Adjust angle of deflector fins (**B**) starting with deflectors set as shown:

- position left deflector aimed 150mm (6") inwards to left rear of chopper

- position right deflector aimed 300mm (12") inwards to left rear of chopper

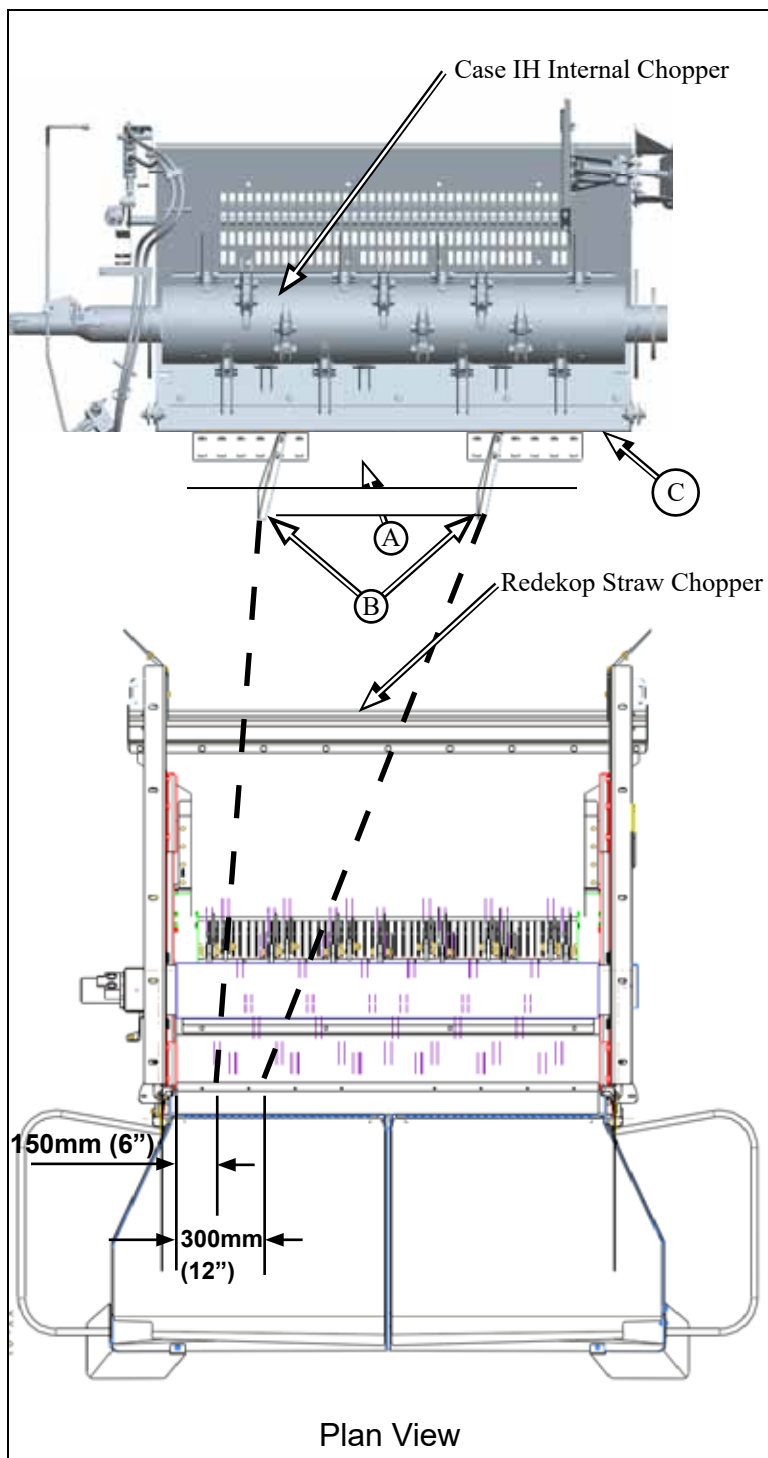
This is the typical layout for most applications. Adjust angle, spacing of deflector to obtain even distribution

- Check distribution by windrowing. If the swath is even, the distribution into the straw chopper will be even

NOTE:

Residue must be evenly distributed across the width of the chopper.

Each user may be required to adjust the angle of fins or fin type due to different crop conditions or combine performance.

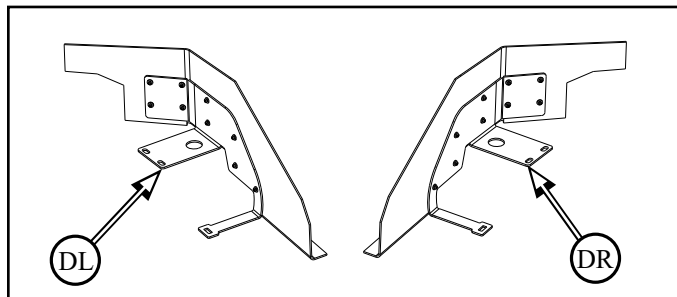


6.2 Chaff Deflector Installation

Parts List:

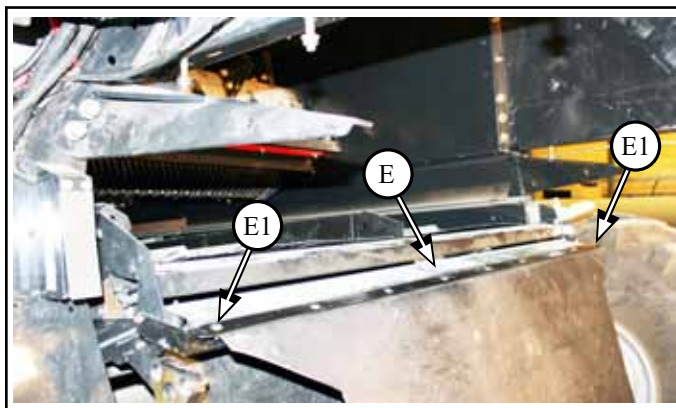
parts located in CS1130BS box
hardware located in CS672S bag

CS1198BAL	Sieve Ext. Deflector Lt Assy (DL)	Qty 1
CS1198BAR	Sieve Ext. Deflector Rt Assy (DR)	Qty 1



6.2.1 Remove end bolt and nut (**E1**) holding rubber on to sieve extension (**E**)

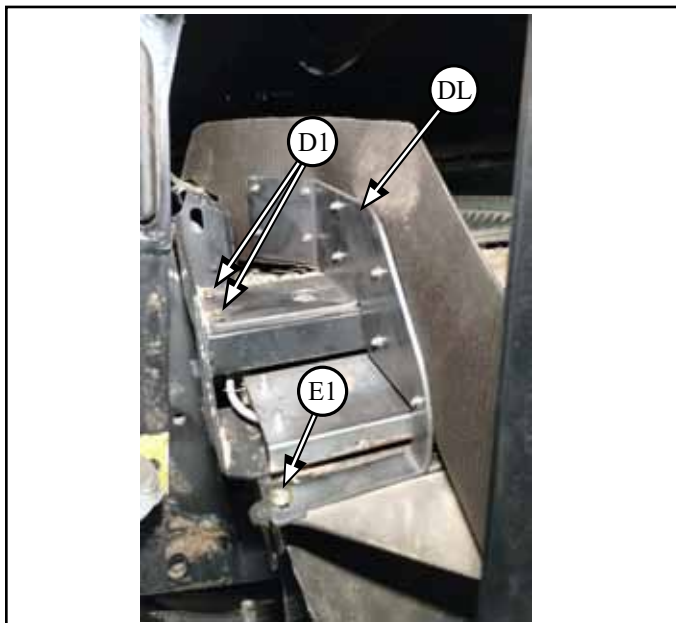
- both sides
- to be reused



6.2.2 Install left deflector (**DL**) to end of the sieve (**E**), with:

- M8 x 25 flange bolts and flange nuts (**D1**) x2
- reuse rubber mount bolt and nut (**E1**)

6.2.2.1 Repeat for right side

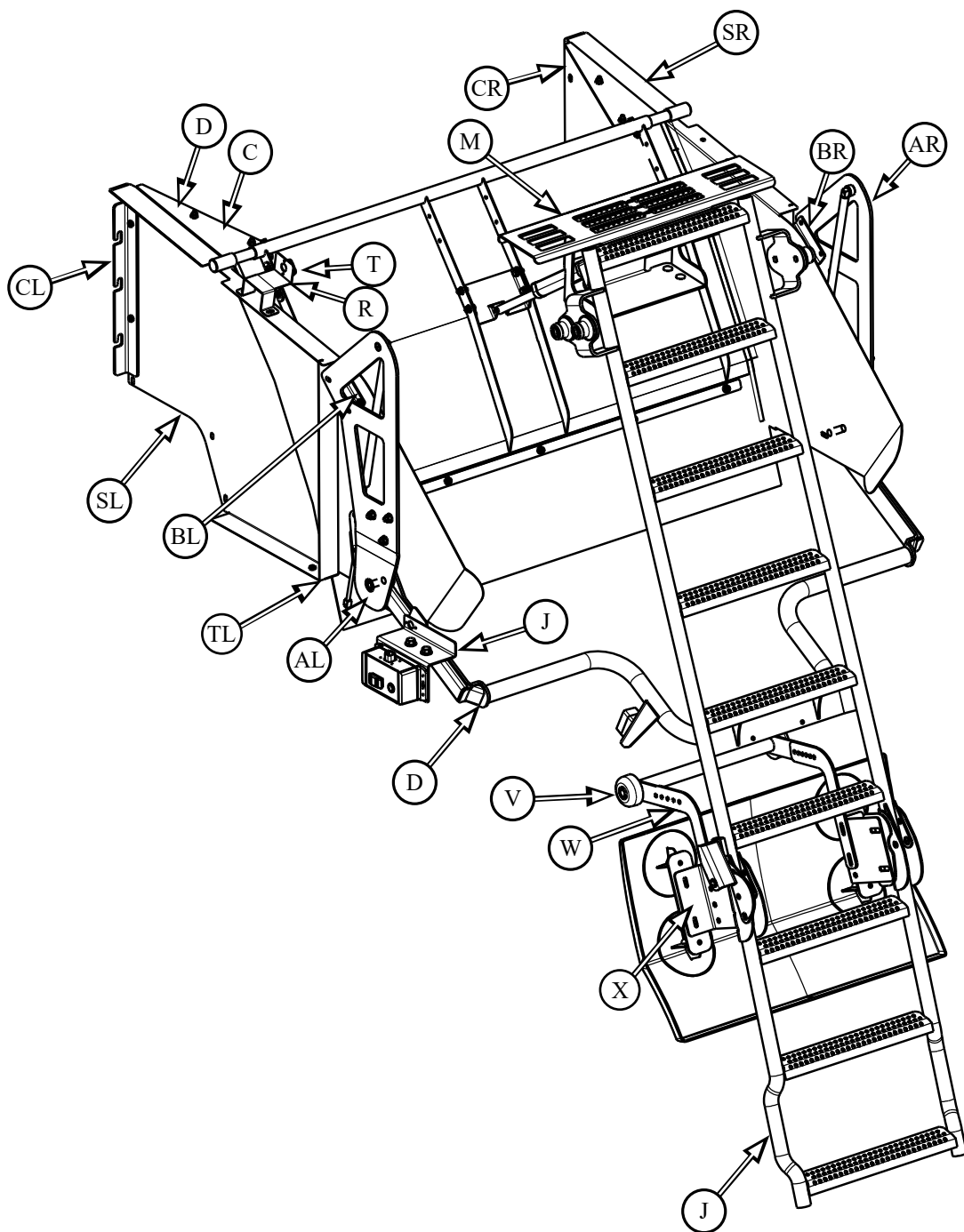


7 AFX Ladder Installation

Ladder Installation Kit Overview

Parts List:

CS1008BL	Plate Ladder Mount Left (AL)	Qty 1	CS1008BR	Plate Ladder Mount Right (AR)	Qty 1
CS944BL	Bracket Top Skin Mount Right (BL)	Qty 1	CS944BR	Bracket Top Skin Mount Left (BR)	Qty 1
CS1085BL	Brkt Front Subwall Mount Left (CL)	Qty 1	CS1085BR	Brkt Front Subwall Mount Right (CR)	Qty 1
CS669	Belt Roof Seal (C)	Qty 2	CS468B	Roof Filler Plate (D)	Qty 2
CS927B	Ladder Lift Arm Lever (D)	Qty 1	CS1154B	Plate Ladder Handle Side (J)	Qty 1
CS1086B	Step Top Ladder (M)	Qty 1	CS851B	Bracket Door Prox Sensor (R)	Qty 1
CH649BL	Skin Ladder AFX Left (SL)	Qty 1	CH649BR	Skin Ladder AFX Right (SR)	Qty 1
CS945BR	Deflector Chaff Lt (TL)	Qty 1	CS945BL	Deflector Chaff Rt (TR)	Qty 1
CS943B	Target Straw Door Proximity (T)	Qty 1	CS950BA	Handle Ladder AFX Assy (V)	Qty 1
CS949BA	Plate Ladder Handle AFX (W)	Qty 2	CS1084BR	Bracket Ladder Handle Mount Rt (X)	Qty 2

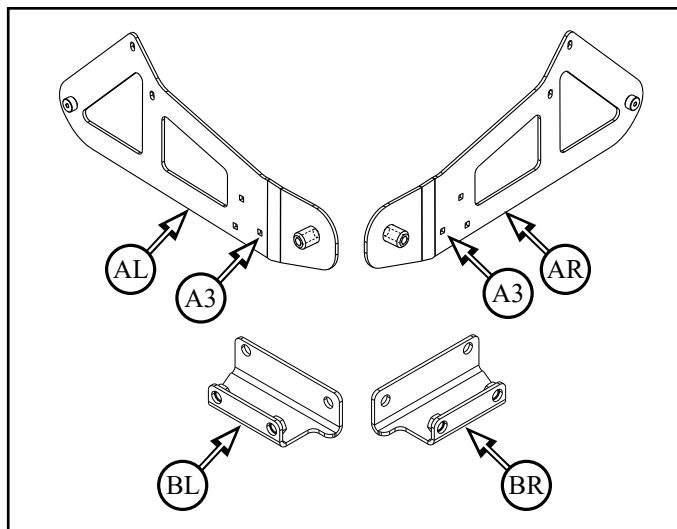


7.1 Ladder Mount Installation

Parts List:

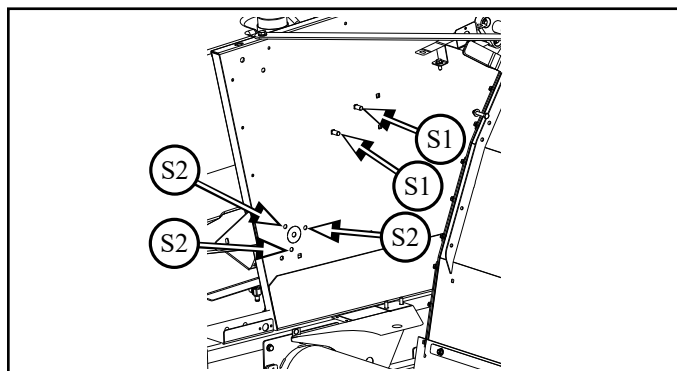
parts located in CS1131BS box
hardware located in CS859S bag

CS1008BL	Ladder Mount Plate - Left (AL)	Qty 1
CS1008BR	Ladder Mount Plate - Right (AR)	Qty 1
CS944BL	Bracket Top Skin Mount Left (BL)	Qty 1
CS944BR	Bracket Top Skin Mount Right (BR)	Qty 1



7.1.1 Left ladder mount plate (**AL**) to be installed to inner left side of combine wall:

- to the existing upper two wall studs (**S1**)
- to the lower three holes (**S2**) in wall

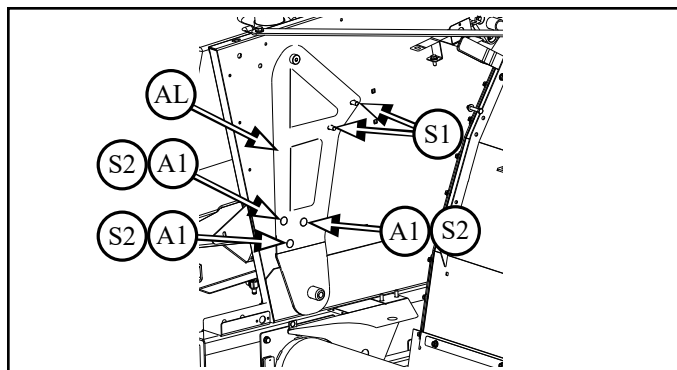


7.1.2 Install left ladder mount plate (**AL**) to the inner left side of combine wall:

- slide over the existing upper two wall studs (**S1**)

7.1.2.1 Align and secure to the lower three holes (**S2**) in wall, with:

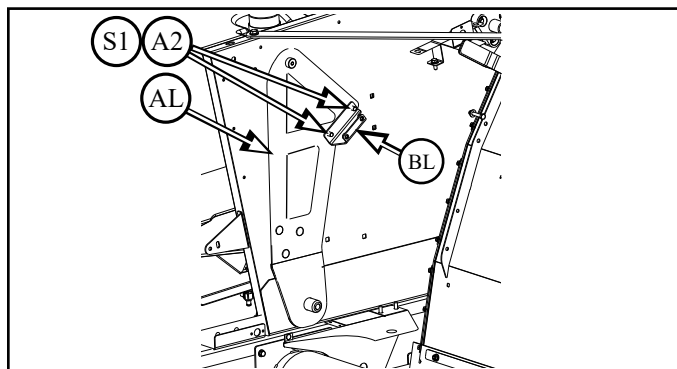
- M10 x 25 round head bolt and flange nut(**A1**) x3



7.1.3 Install left top skin mount bracket (**BL**) to upper-studs (**S1**), with:

- M10 flange nut (**A2**) x2
- ensure flanges are up

7.1.4 Repeat for right side



7.2 CASE AFX 120 Series Roof Upgrade:

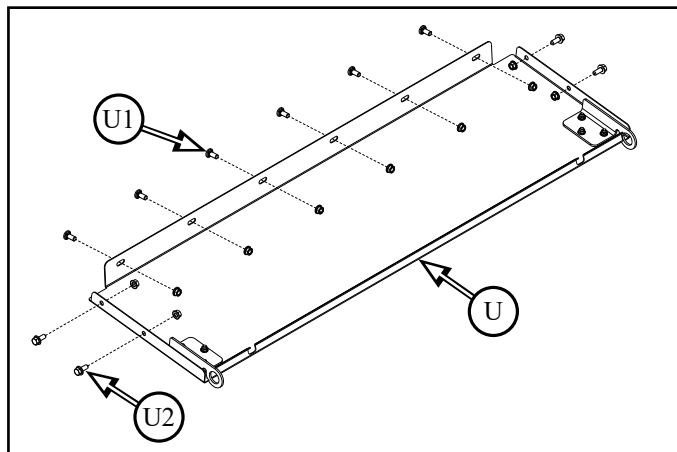
NOTE: AFX 120 Series Only

Parts located in CS961K Kit - order if needed

Parts List:

CS961BA 120S Roof Upgrade Assembly (**U**) Qty 1

- Remove Factory Straw Hood and Install the Roof Upgrade Assembly (**U**), with:
- M10 x 25 round head bolt and flange nut (**U1**) x6
- M10 x 25 flange bolt and flange nut (**U2**) x4



7.3 Front Bracket Subwall Mount Installation

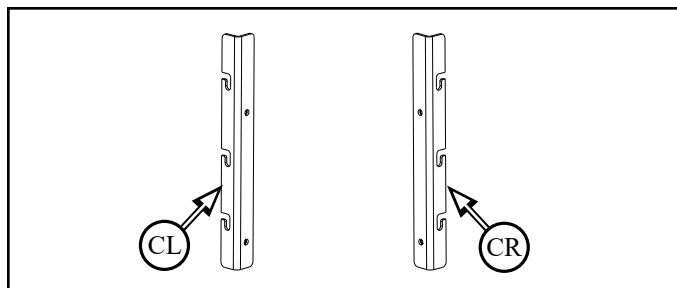
Parts List:

parts located in CS1131BS box

hardware located in CS859S bag

CS1085BL Bracket Front Subwall Mount Left (**CL**) Qty 1

CS1085BR Bracket Front Subwall Mount Right (**CR**) Qty 1

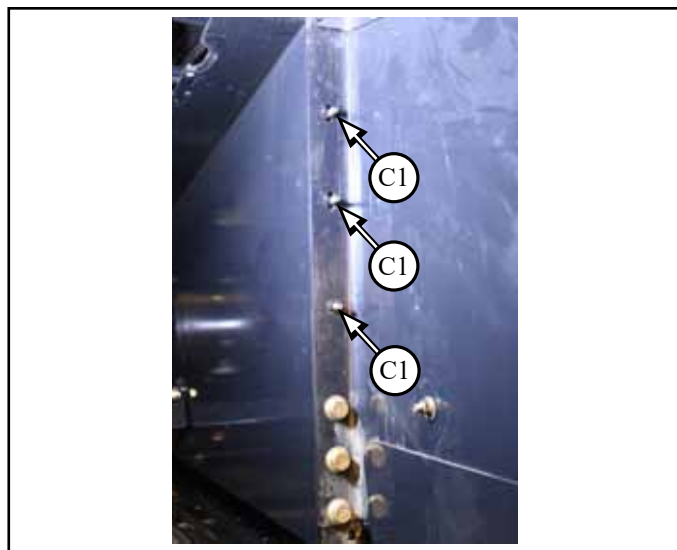


7.3.1 loosen nuts (**C1**) x3 in the right front inner corner of combine wall just enough to slide in new mounting bracket (**CR**)

- do not remove nuts to eliminate possibility of bolts falling out of place

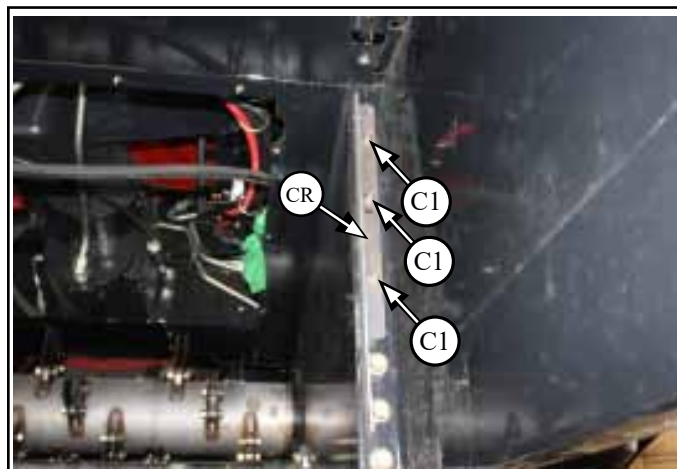


Do not push bolts (C1) out from the back panel - leave them inserted
There is no access on the fuel tank side to replace bolts



7.3.2 Install right mount bracket (**CR**) behind nuts on studs (**C1**) x3 in the right front inner corner of combine wall

7.3.3 Tighten nuts (**C1**) x3



7.3.4 Repeat for left side

7.4 Ladder Lift Arm Lever Installation

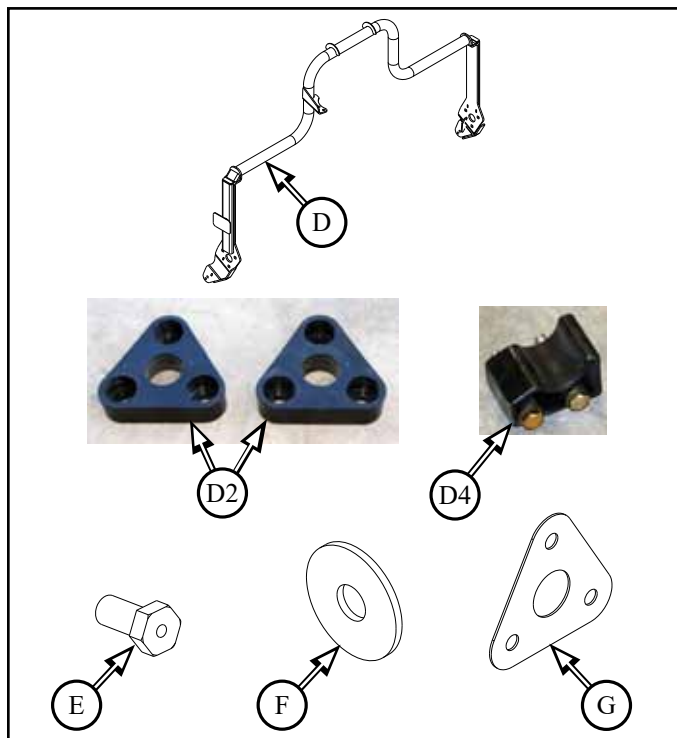
Parts List:

parts located on pallet and CS1131B box
hardware located in CS859S bag

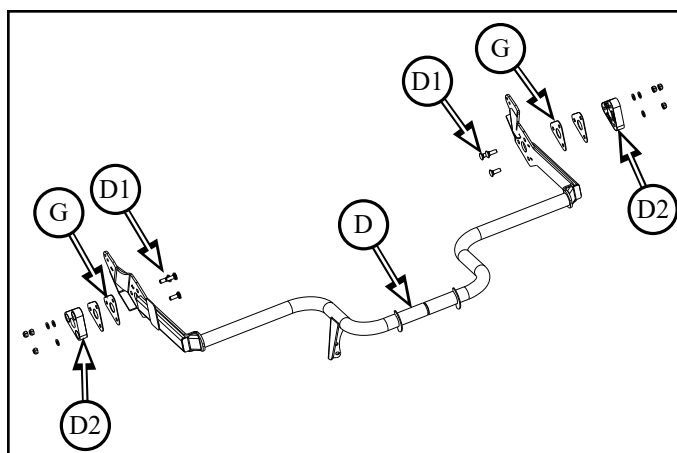
CS927B	Ladder Lift Arm (D)	Qty 1
CS934Z	Bolt Ladder Skin (E)	Qty 2
CS935Z	Washer Ladder Frame (F)	Qty 2
CS976-01	Ladder Shim Plate (G)	Qty 4

Reuse from disassembly:

87105202 Pivot Tube Blocks (D2)
Ladder Latch (D4)

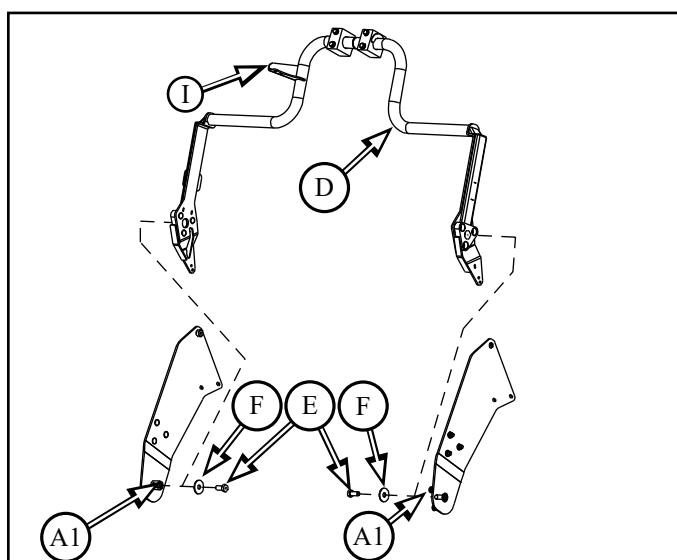


7.4.1 Install shim (G) x2 between pivot tube block (D2) and to the outside of ladder lift arms (D) both sides, with:
- reuse: M10 x 30 Bolts, Nuts and Washers (D1) x6



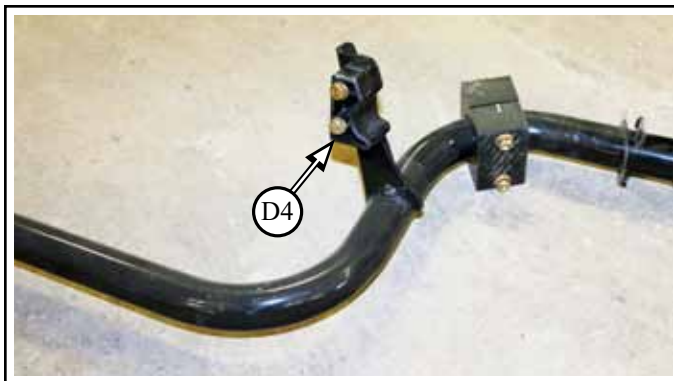
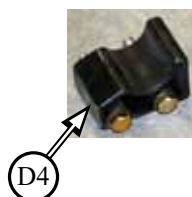
7.4.2 Lift the ladder lift arm (D) and connect it onto ladder mount pins (A1) with:

- Washer Ladder Frame (F) x2
- Bolt Ladder Skin (E) x2
- Reuse CNH Ladder Latch (I)



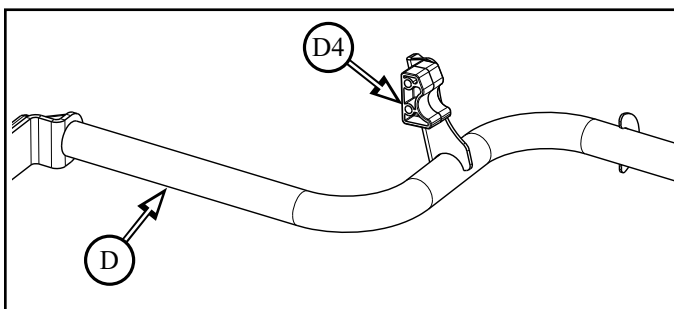
7.4.3 Remove ladder latch (D4) from OEM ladder pivot frame

- to be reinstalled on new ladder pivot
- mounting hardware to be reused

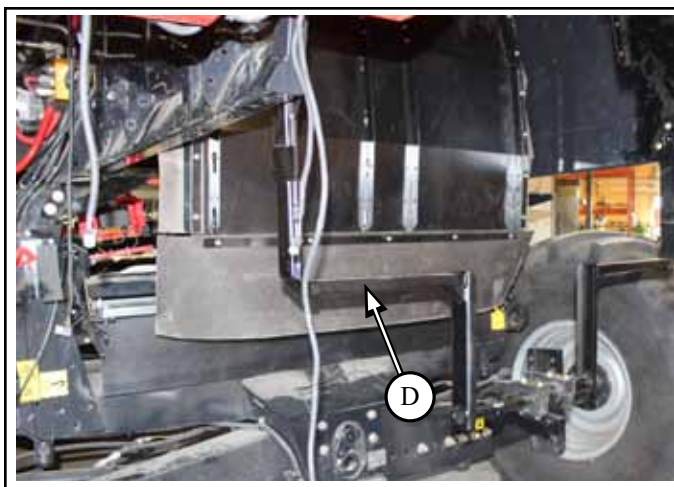


7.4.4 Install ladder latch (D4) from OEM ladder pivot frame to new ladder lift arm (D), with:

- reuse mounting hardware



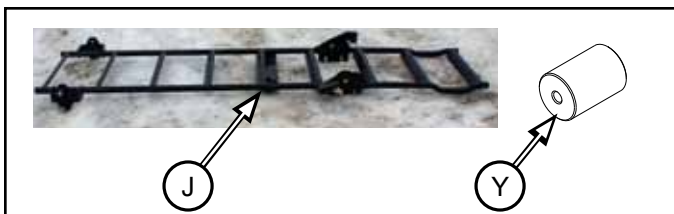
7.4.5 View with ladder lift arm (D) installed



7.5 Factory Ladder Installation

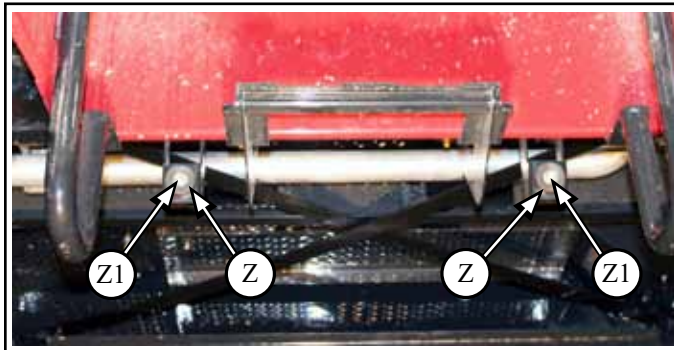
Parts List:

OEM Ladder (J) (removed previously)	Qty 1
CS948Z Spacer Ladder Bumper (Y)	Qty 2



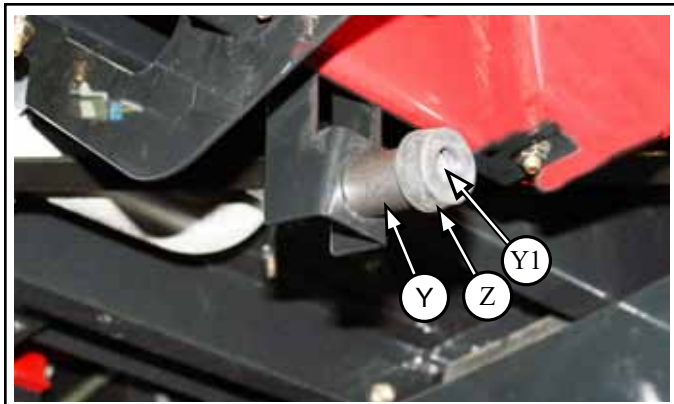
7.5.1 Remove ladder bumper (Z) x2

- to be reinstalled
- mounting hardware (Z1) x2 not to be reused



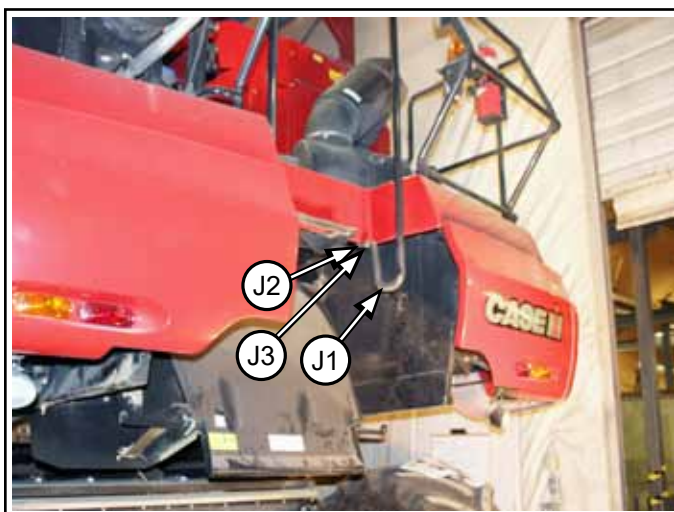
7.5.2 Install ladder bumper (**Z**) with spacer (**Y**) in original position, with:

- M6 x 30 flange head bolt and flange nut (**Y1**)
- both sides



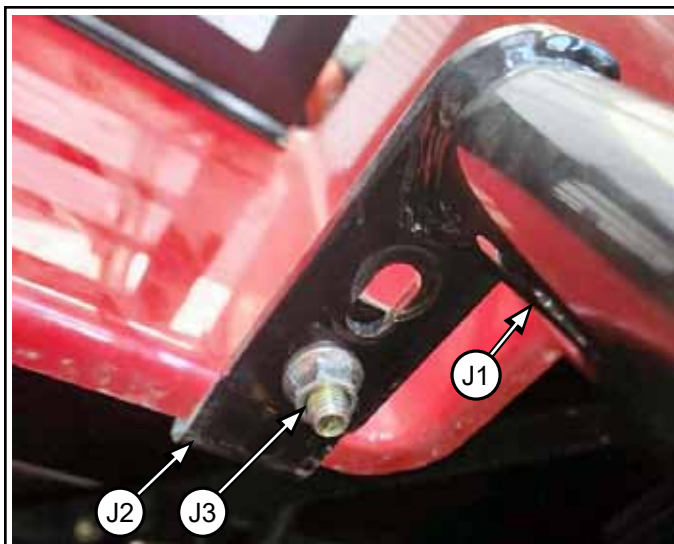
7.5.3 Detach rail (**J1**) from rail mount tab (**J2**)

- to be reinstalled
- rail mounting hardware (**J3**) to be reused
- both sides

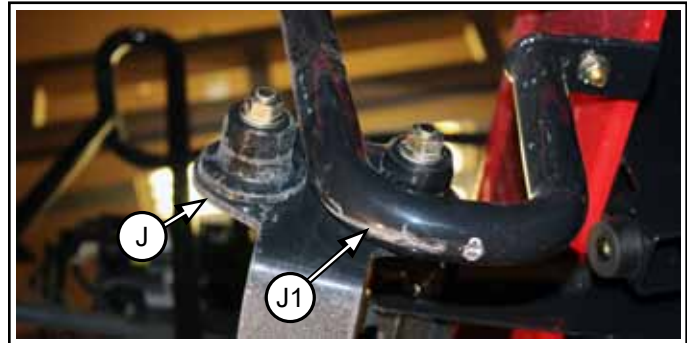
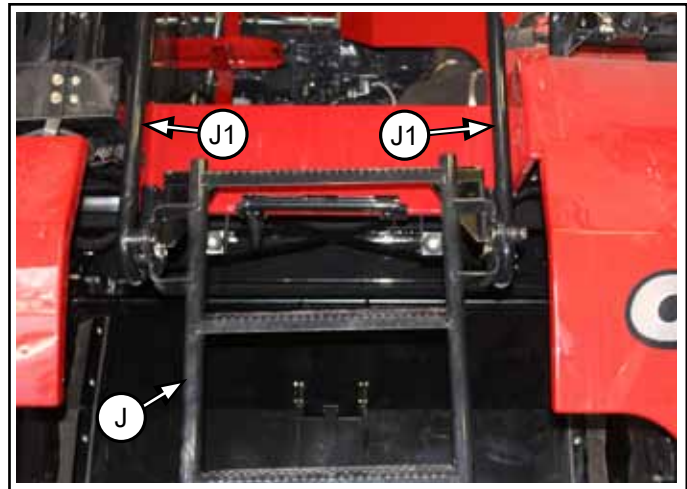


7.5.4 Attach rail (**J1**) to rail mount tab (**J2**) through forward mounting hole, with:

- reuse rail mounting hardware (**J3**)
- both sides



7.5.5 Slide OEM ladder (**J**) in between pivot tubes (**J1**)
 .- ensure it slides smoothly up and down along the pivot tubes (**J1**)



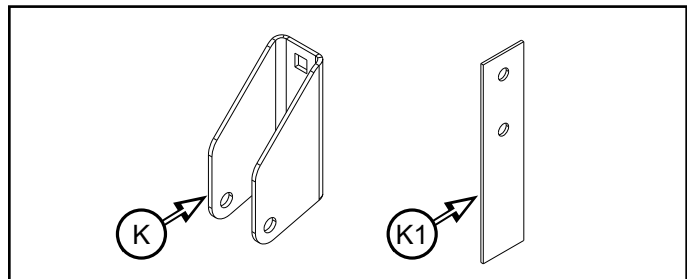
Step 7.6 Not Required for MY17 & Newer Machines
 Holes are in Machine

7.6 Straw Door Linkage Bracket Installation

Parts List:

parts located in CS1135BS box
 hardware located in CS859S bag

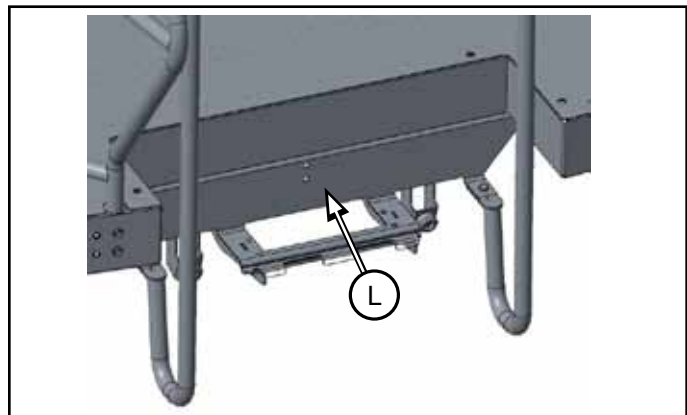
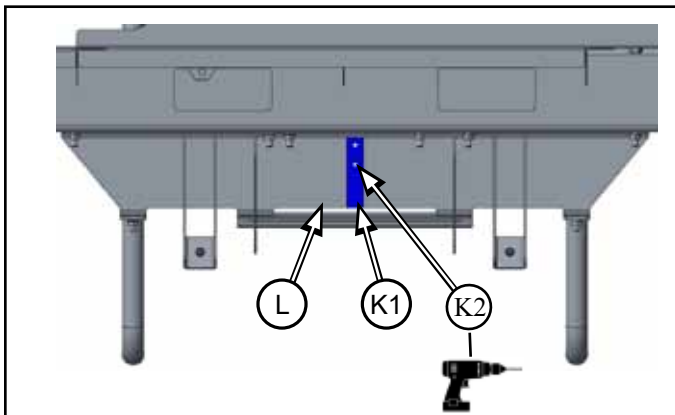
CS1012Z	Straw Door Clevis (K)	Qty 1
84127251_Template	Drill Template (K1)	Qty 1



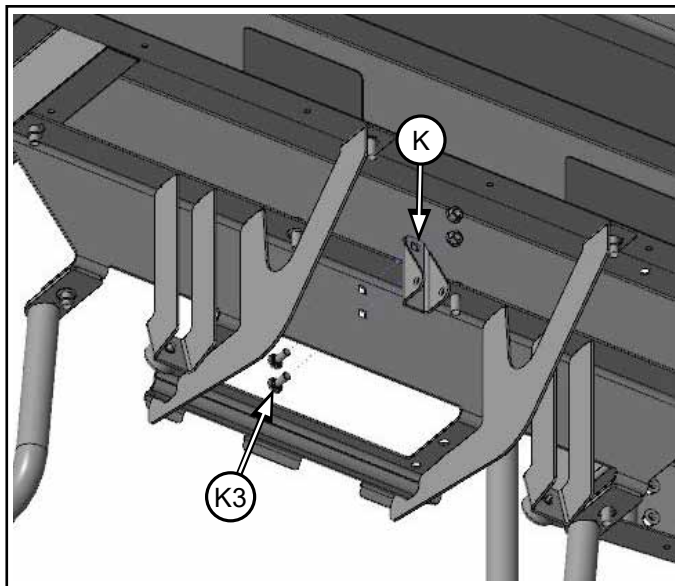
7.6.1 Center template (**K1**) on the back side of the step mount frame (**L**) flush with bottom

7.6.1.1 Mark the hole locations (**K2**) x2

7.6.1.2 Drill 10mm (3/8") holes (**K2**) x2



7.6.2 Install straw door linkage clevis (**K**) to back side of step mount frame (**L**) through holes (**K2**) just drilled with:
 - M8 x 20 flange bolt and flange nut (**K3**) x2



7.7 Top Ladder Step Installation

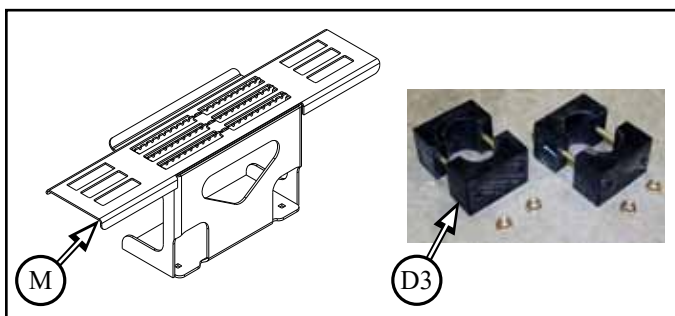
Parts List:

parts located in CS1131S box
 hardware located in CS859S bag

CS1086B Step Top Ladder (**M**)

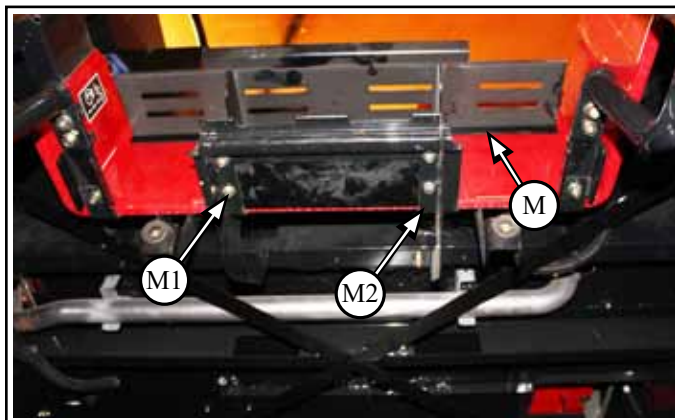
Qty 1

Reuse from disassembly:
 87630671 Pivot Blocks (**D3**)



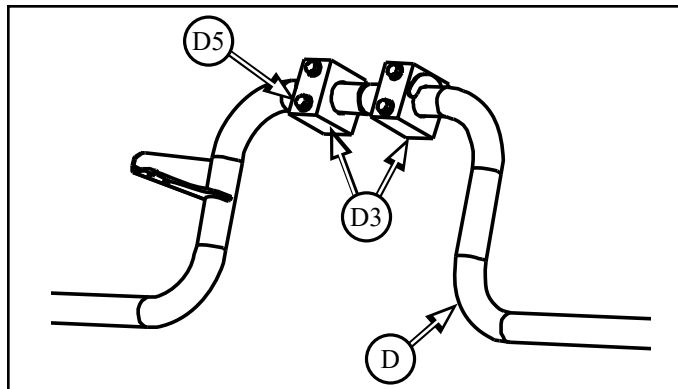
7.7.1 Install top ladder step (**M**) on upper flange of brackets (**M2**) with:

- M10 x 25 round head bolt and flange nut (**M1**) x4
- insert bolts from above



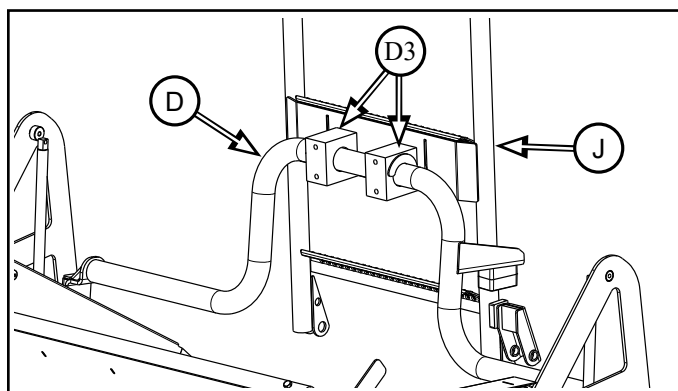
7.4.2 Install the factory pivot blocks (**D3**) (Section 3.3.1 from Removal Guide) on the ladder lift arm (**D**) with:

- reuse: M8 x 90 flange head bolt and flange nut (**D5**) x4
- do not tighten hardware at this time
- nuts will have to be removed in next step to attach to ladder



7.7.2 Install OEM pivot blocks (**D3**) to back of factory ladder (**J**) over ladder lift arm tube (**D**), with:

- remove nuts from hardware (**D5**) to attach to ladder frame



7.8 Gas Spring Installation

Parts List:

Reuse from disassembly:

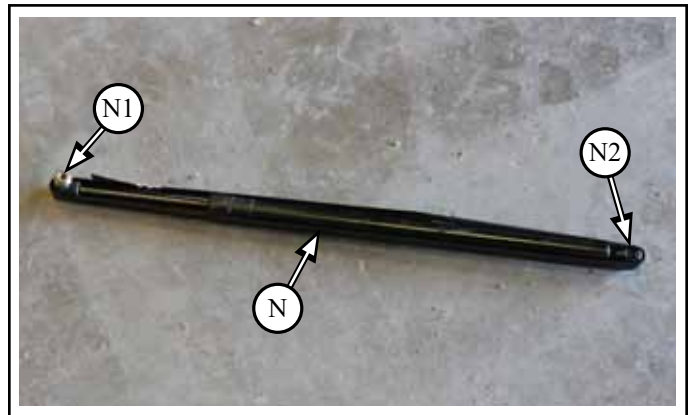
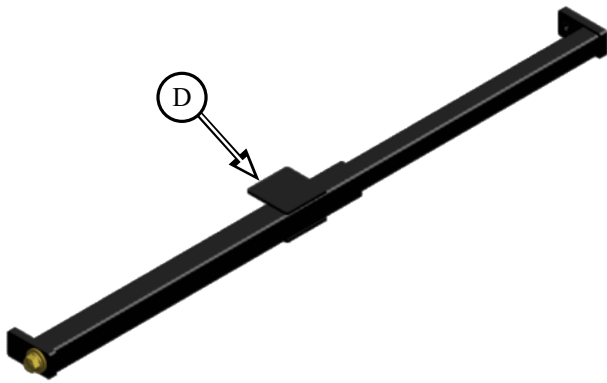
#47360439	Factory ladder gas spring (strut) (N)	Qty 2
	Short Ball Stud (N1)	Qty 2
	Long Ball Stud (N2)	Qty 2



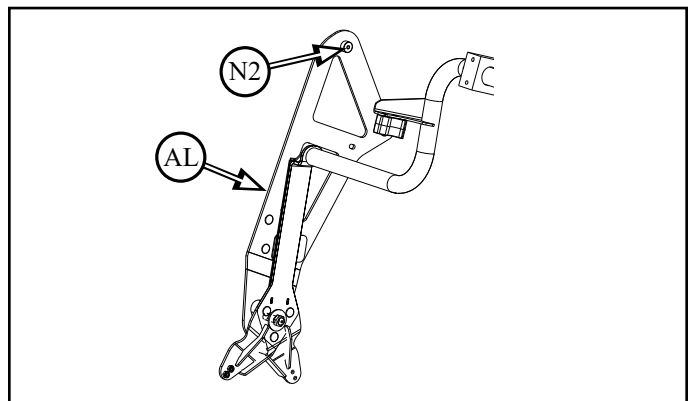
7.8.1 Compress existing gas springs (N) to 712mm (28 in.) long

Short Stud (N1)
Longer Stud (N2)

-Order CS965BA Shock Compressor Tool (D) if required

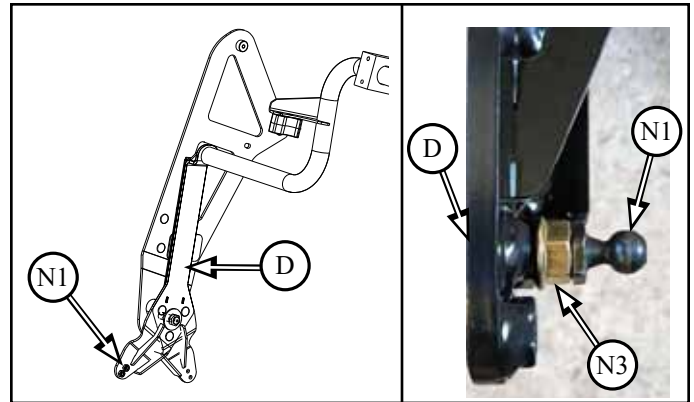


7.8.2 Install long ball stud (N2) to top of ladder mount plate (AL)
- both sides



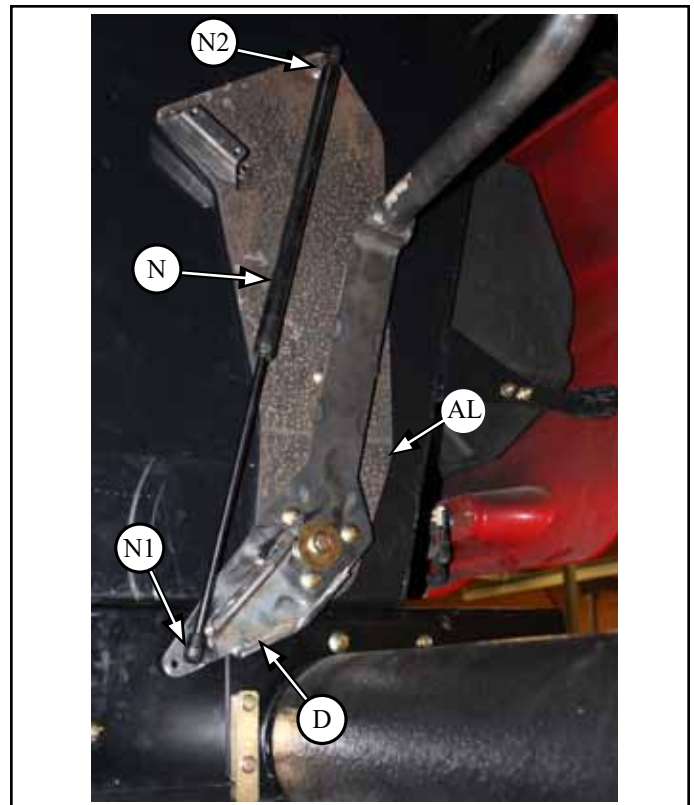
7.8.3 Install short ball stud (**N1**) to bottom of ladder lift arm (**D**)
- both sides

7.8.3.1 If threads on ball stud (**N1**) protrude past ladder lift arm plate (**D**), install M8 flange nut (**N3**) as a spacer



7.8.4 Install gas spring (**N**) to the ball studs (**N1** & **N2**)
- gas shock should be mounted Rod end Down

7.8.5 Repeat for right side

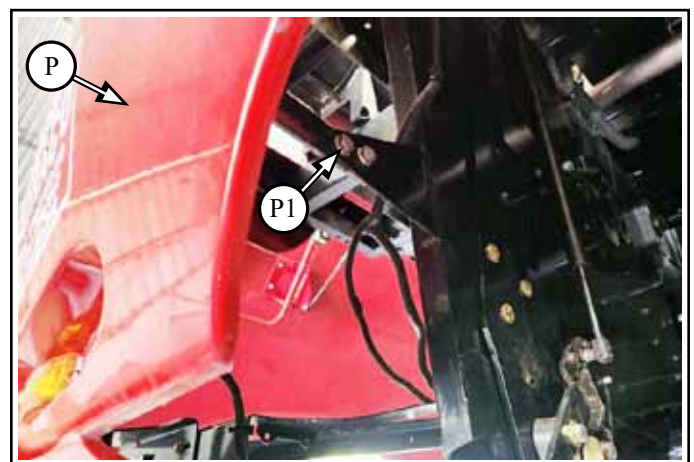


Longer stud should be located at the top of gas shock.
They may need to be switched

7.8.6 Ensure corner glamour panel (**P**) mounting bolts (**P1**) x2 have their heads orientated towards the ladder to avoid interference with the ladder
- both sides



Rotate Ladder up and down to ensure movement is smooth and does not bind
- adjust as required



7.9 Door Proximity Sensor Bracket Installation

Parts List:

part located in CS1131BS box

hardware located in CS859S bag

CS851B Door Proximity Sensor Mount Bracket (**R**) Qty 1

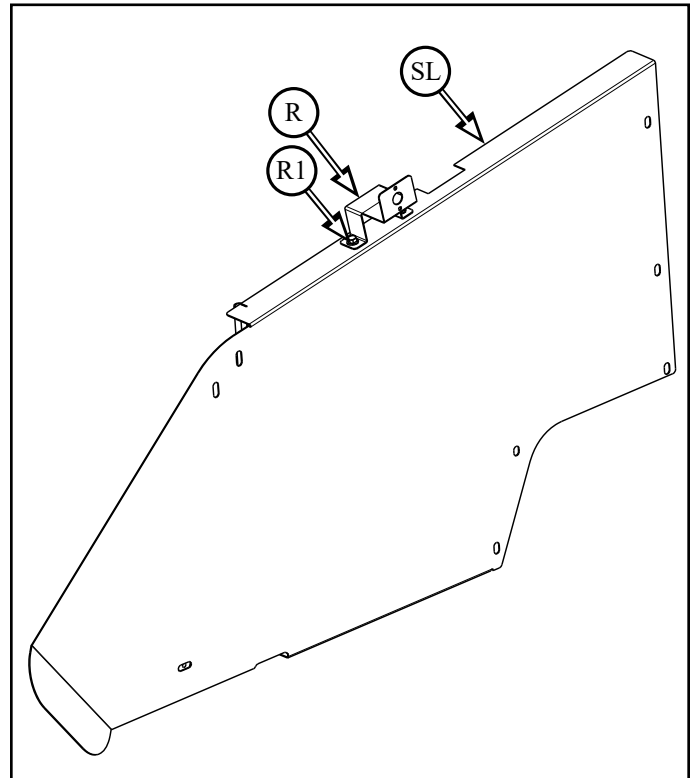
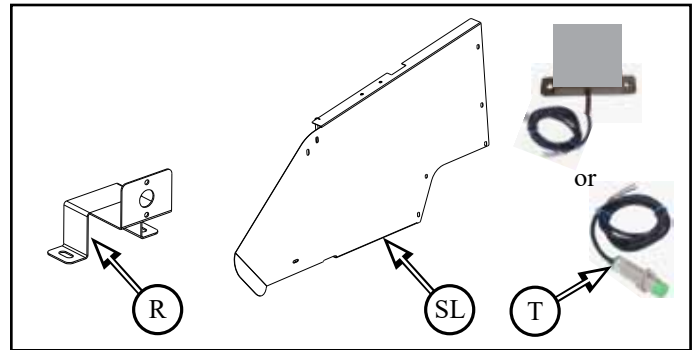
CS1041BAL Ladder Side Wall Panel - Left (**SL**) Qty 1

Reuse from disassembly:

Proximity Sensor (**T**)- reuse proximity sensor from ladder or spreader position

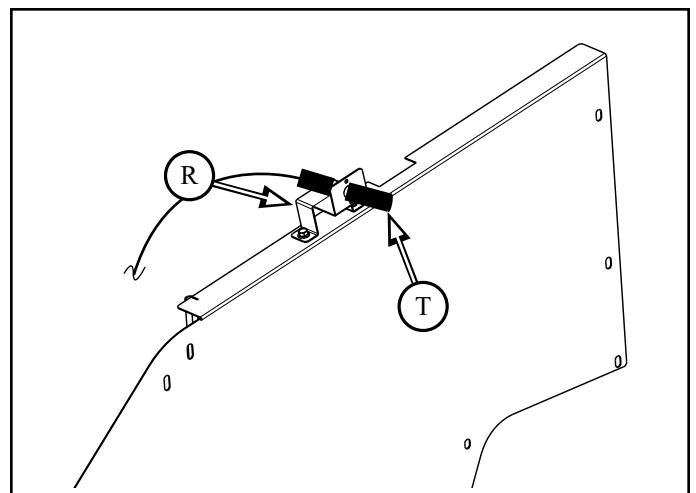
7.9.1 Install door proximity sensor bracket (**R**) to the top of the left ladder side wall panel (**SL**), with:

- M10 x 20 flange head bolt and flange nut (**R1**) x2
- final placement/adjustment will occur after panel (**SL**) is installed to combine



7.9.2 Install OEM proximity sensor (**T**) into bracket (**R**)

7.9.2.1 Alignment of sensor to target will occur in step 8.3



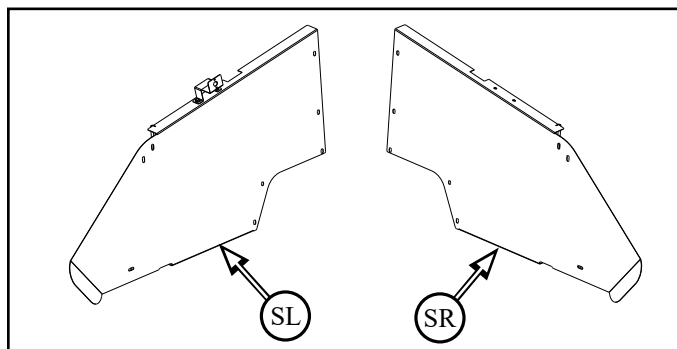
7.10 Ladder Wall Panel Installation

Parts List:

Parts located on pallet
hardware located in CS859S bag

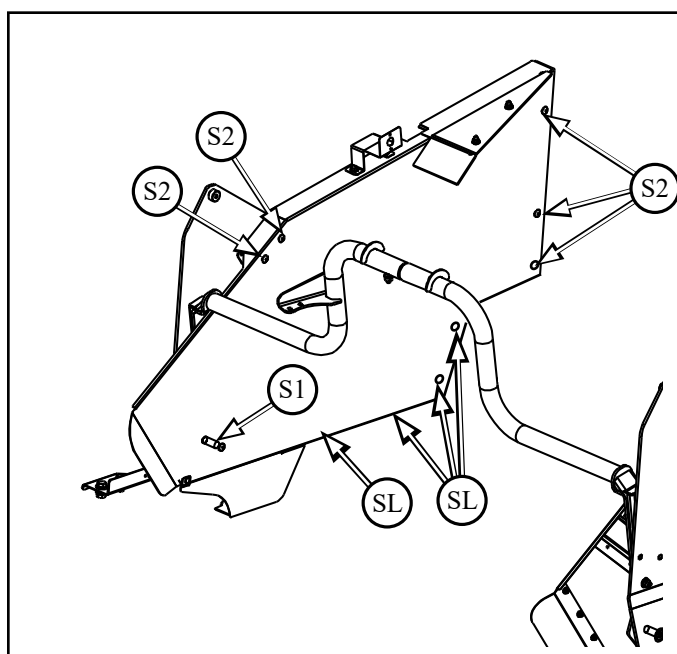
CH649BAL Ladder Side Wall Left (**SL**)
CH649BAR Ladder Side Wall Right (**SR**)

Qty 1
Qty 1



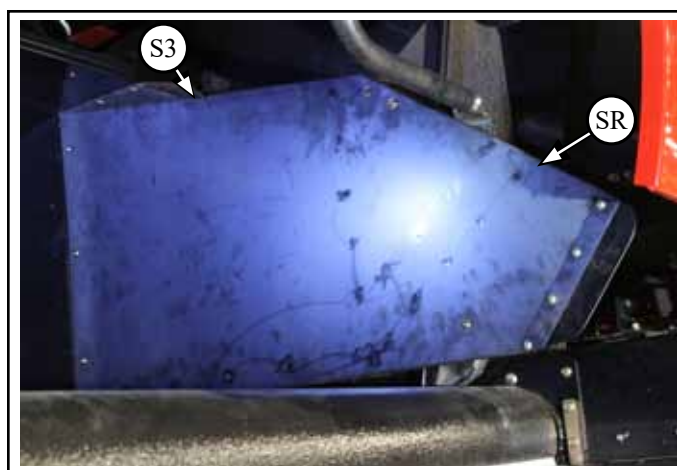
7.10.1 Install Left Ladder Side Wall Panel (**SL**) on to left inner side of combine, with:

- M8 x 16 round button head Allen socket bolt (**S1**)
- M8 x 20 flange bolt (**S2**) x7
- Silicone gap (**S3**) between top flange of side wall panel and side wall of combine



7.10.2 Repeat procedure for right ladder side wall panel (**SR**) on right side

7.10.2.1 View of right ladder side wall panel (**SR**) installed

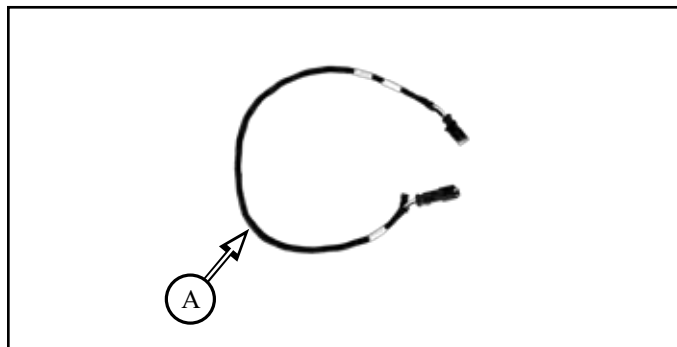


7.11 Hareness Extension Installation

Parts List:

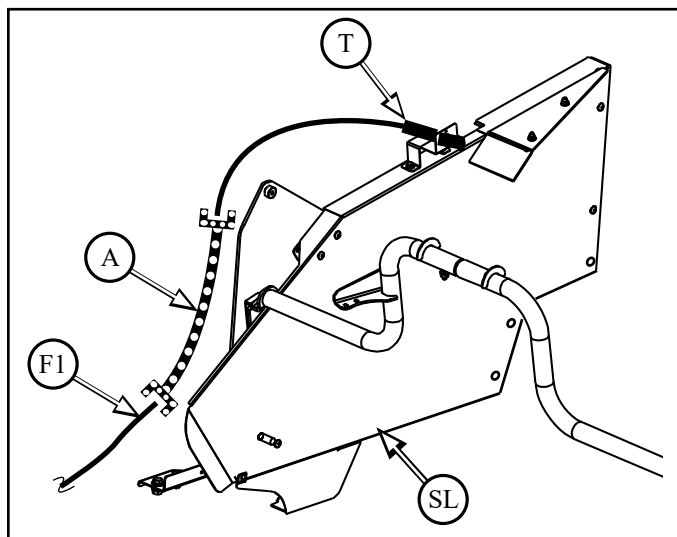
RP953 Harness Extension (A)

Qty 1



7.11.1 Install harness extension (A) to proximity sensor (T) and to OEM position sensor connector (F1) as labeled in disassembly procedure

- ensure wiring is routed clear of ladder components
- cycle ladder up and down to ensure adequate clearance



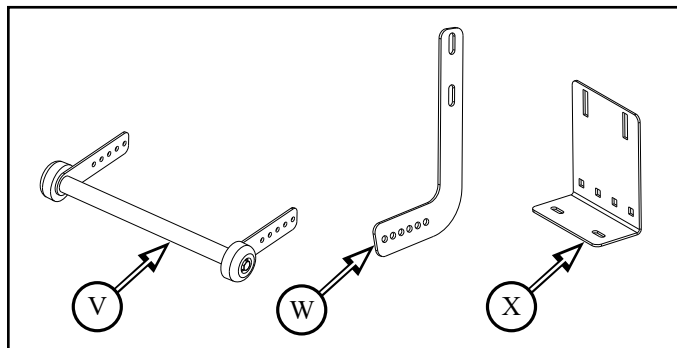
7.11 Ladder Handle Assembly Installation

Parts List:

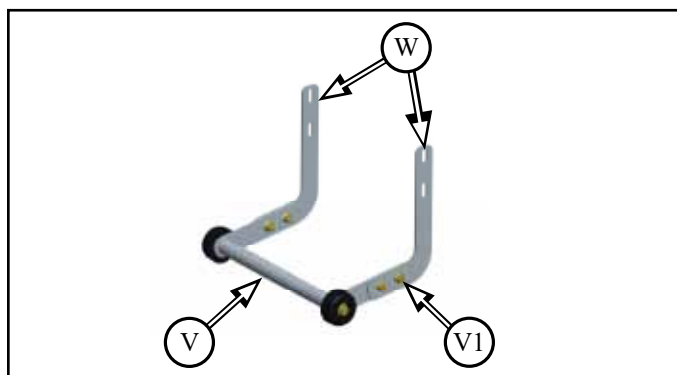
parts located in CS1131BS box
hardware located in CS859S bag

CS950BA	Handle Ladder AFX Assy (V)	Qty 1
CS949B	Handle Ladder Plate (W)	Qty 2
CS1084B	Ladder Handle Bracket (X)	Qty 2

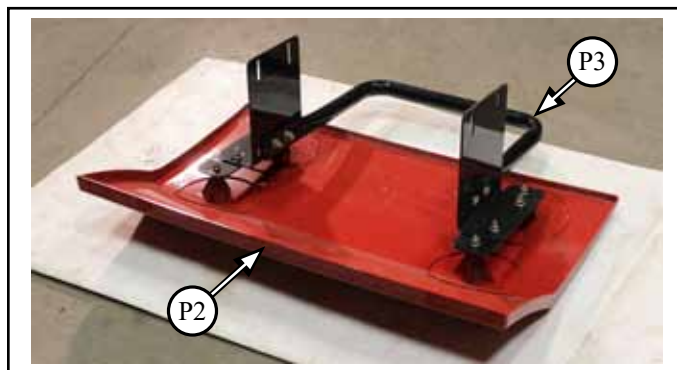
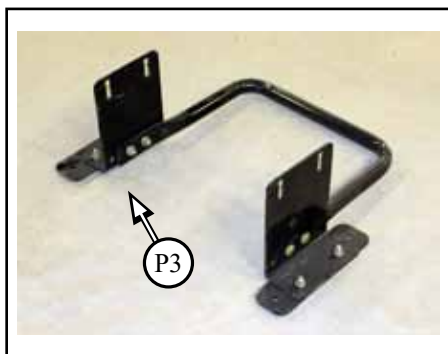
**** ensure wheels spin freely ****



7.11.1 Assemble ladder handle (V) and plates (W) together with:
- M10 x 25 flange bolt and flange nut (V1) x4



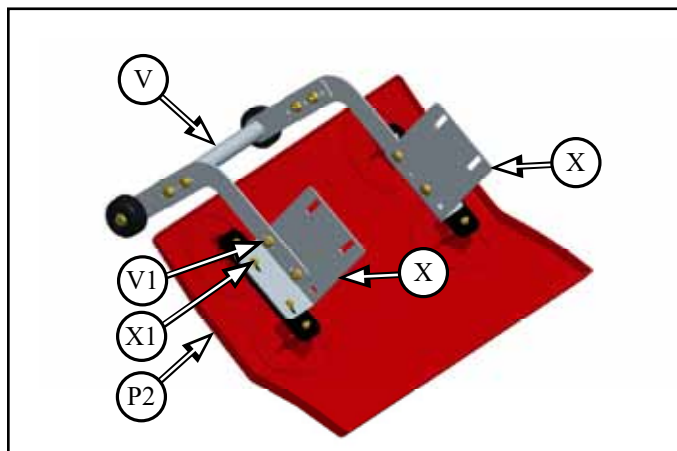
7.11.2 Find the glamour panel (P2) (Section 3.1.4 from Removal Guide)
- Remove the ladder handle and brackets (P3) from glamour panel (P2)
- ladder handle and brackets (P3) not to be reused



7.11.3 Install ladder handle bracket (X) x2 onto glamour panel (P2), with:
- reuse existing hardware (X1)

7.11.3.1 Install new ladder handle assembly (V) to ladder handle brackets (X), with:
- reuse existing hardware (V1)

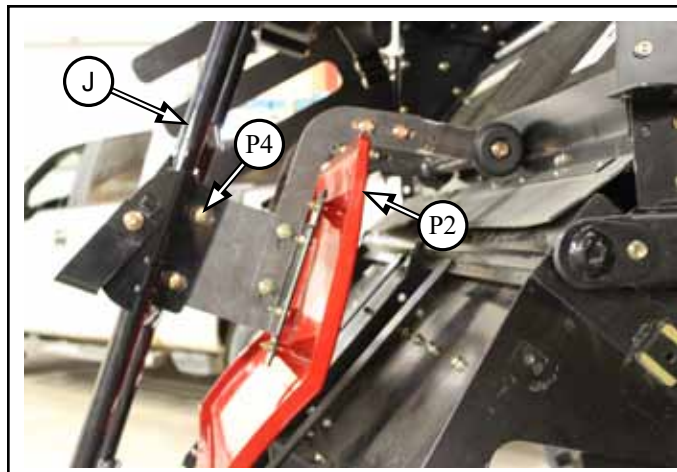
**** Glamour panel and handle need to be adjusted so that the ladder catches on the top step and the Glamour panel clears the tail boards when in the down position ****



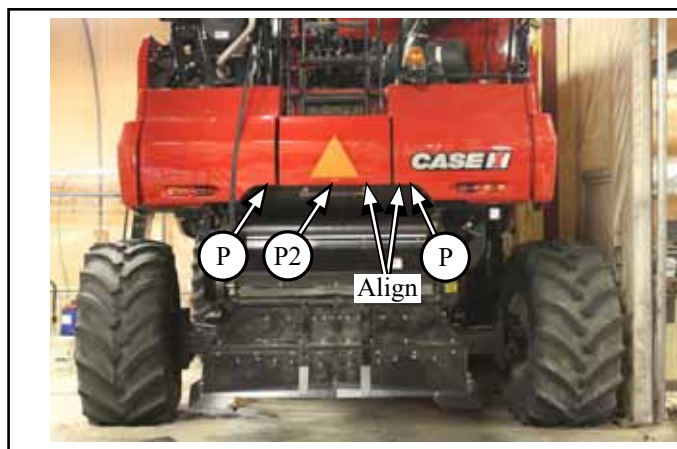
7.11.3.2 See pictures for reference of the bolt and hole locations for the ladder handle and glamour panel assembly



7.11.4 Mount glamour panel assembly (**P2**) onto factory ladder (**J**) when lower ladder is folded up, with:
- M10 x 25 flange bolt and flange nut (**P4**) x4



7.11.4.1 Align glamour panel (**P2**) with corner glamour panels (**P**) when ladder is up using mounting hardware (**P4**) in slots



7.11.5 View of ladder installed in lowered position



Chopper tailboard must be fully lowered to allow clearance between the Glamour Panel and the top of the tailboard

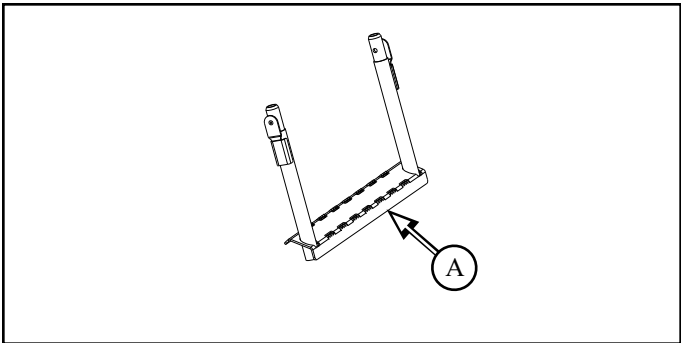
7.12 Bottom Ladder Step Installation

Parts List:

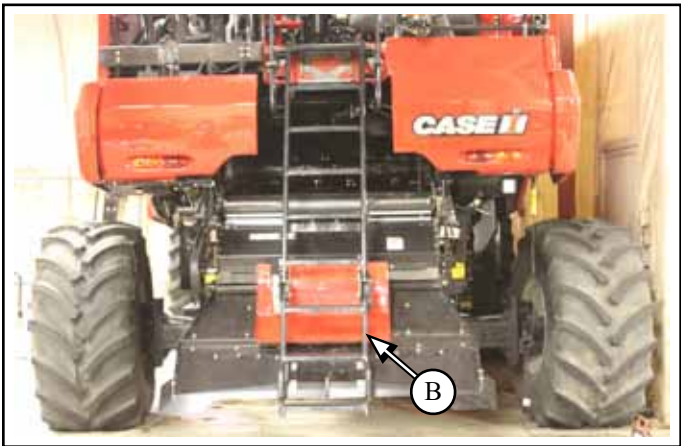
parts located in CS1131BS box
hardware located in CS1202S bag

CS1202B Ladder Extension (A)

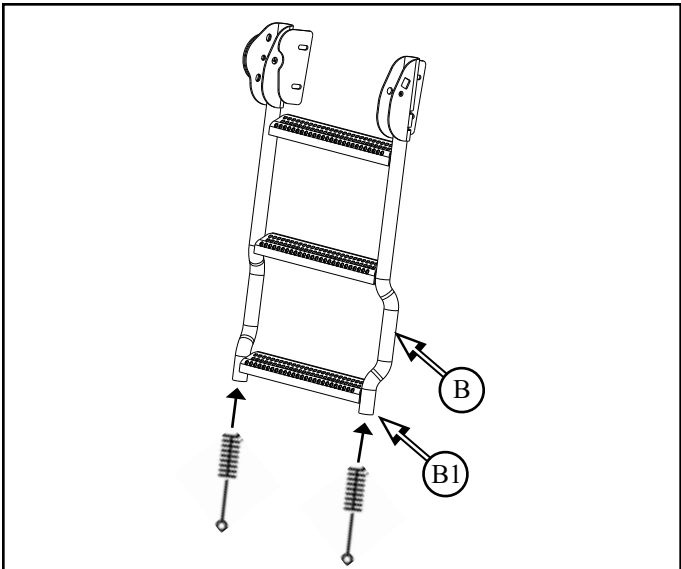
Qty 1



7.12.1 Lower ladder (B) down

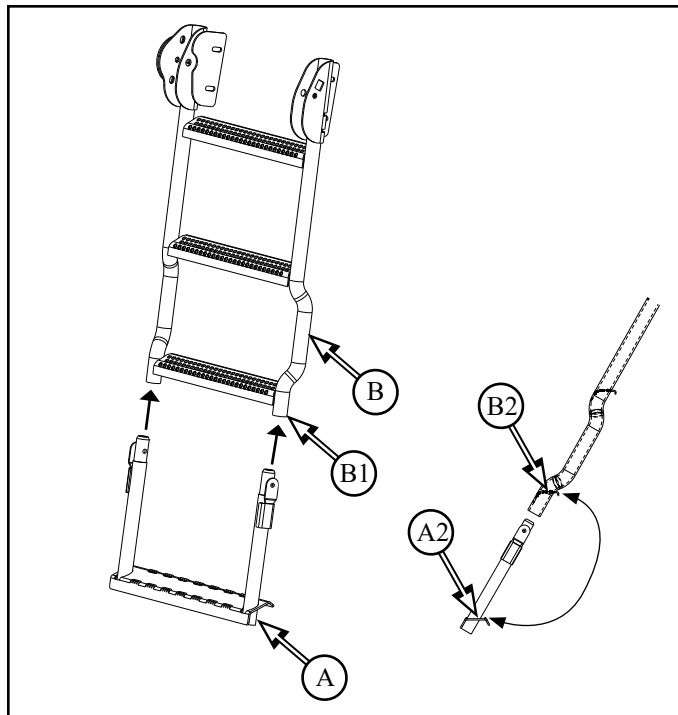


7.12.2 Cleanout bottom portion inside of ladder tube (B1)



7.12.3 Insert ladder extension (A) into ladder tubes (B1)

- ensure step (A2) is orientated in same orientation as OEM step (B2)
- may have to use a rubber mallet to seat into place



7.12.4 Install a hold down strap (C) to ladder extension (A) and OEM ladder (B) to hold in place for drilling in next step

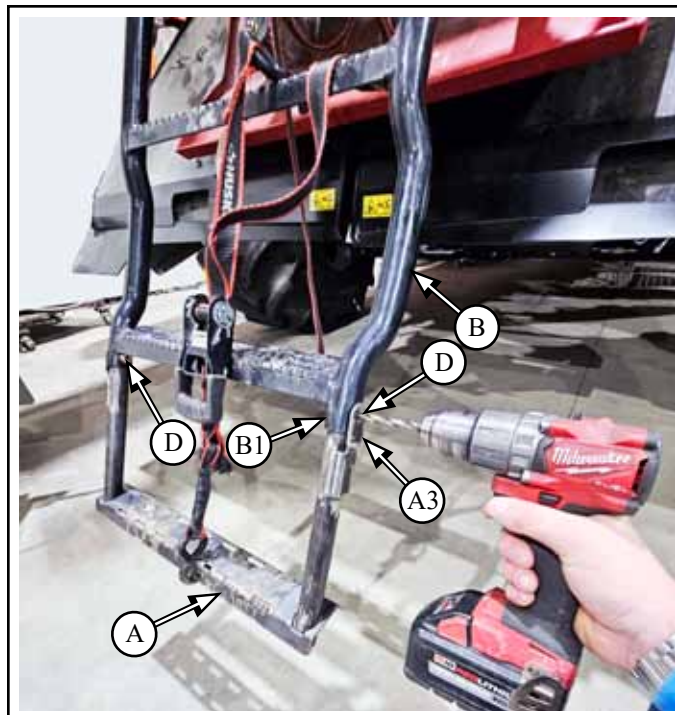


7.12.5 Drill 3mm (.125") pilot hole (**D**) through OEM ladder tube (**B1**)

- both walls
- use hole (**A3**) in ladder extension side plate as drill guide
- both sides

7.12.5.1 Drill 8mm (.335") hole (**D**) through OEM ladder tube (**B1**)

- both walls
- use hole (**A3**) in ladder extension side plate and pilot hole as drill guide
- both sides



7.12.6 Secure ladder extension (**A**) into place, with:

- M8 x 50 flange head bolt and flange nut (**A1**)
- both sides



8 Straw/Windrow Door Installation

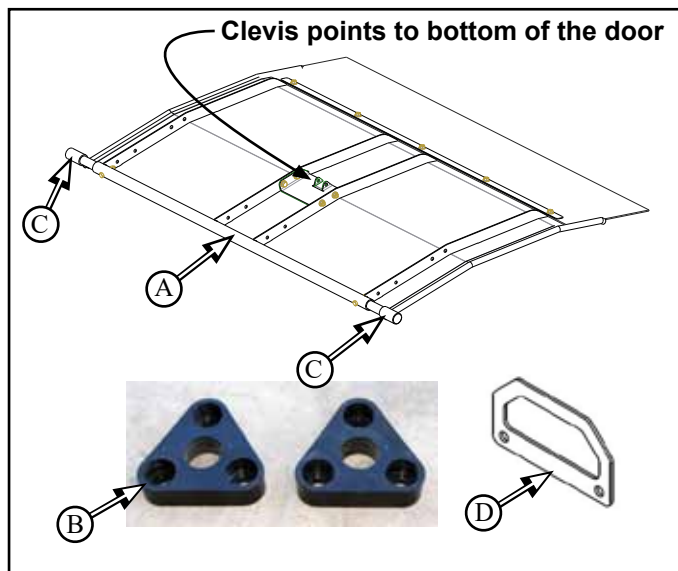
8.1 Straw/Windrow Door Assembly Installation

parts located on pallet

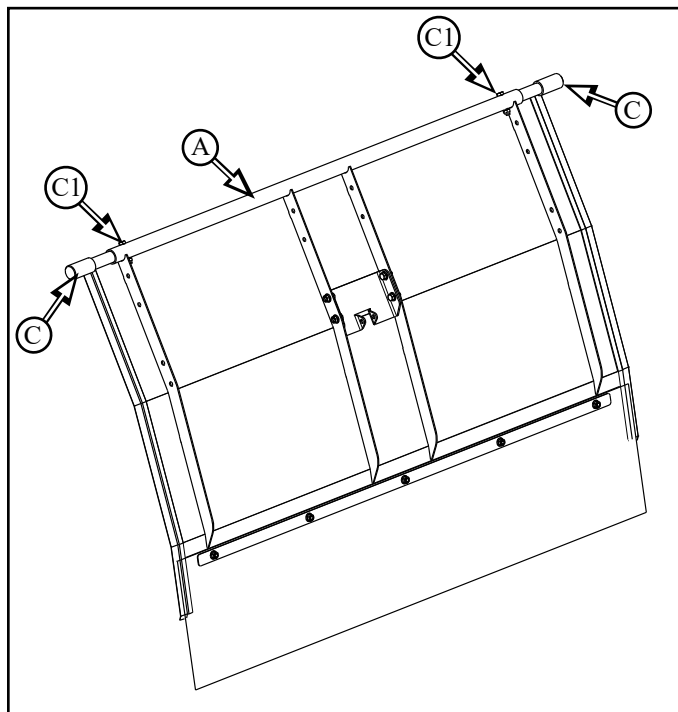
hardware located in CS859S bag

Parts List:

CS1082BA	Straw Door Assembly (A)	Qty 1
87105202	Pivot Tube Blocks (B)	Qty 2
	(reused from Internal Straw Door)	
CS937Z	Pin AFX Straw Door (C)	Qty 2
87547587	Locknut Hex M10 x 1.5 (C1)	Qty 6
	(reused from Internal Straw Door)	
CS878B	Straw Door Handle (D)	Qty 1
	(not required if straw door has actuator)	

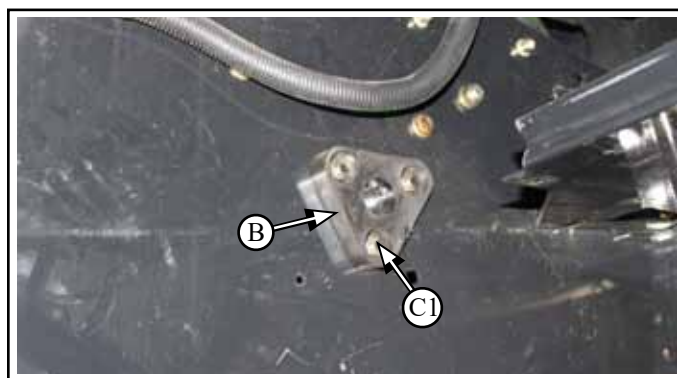


8.1.1 Remove the hardware (C1) securing the pins (C) in the ends of the straw door (A)



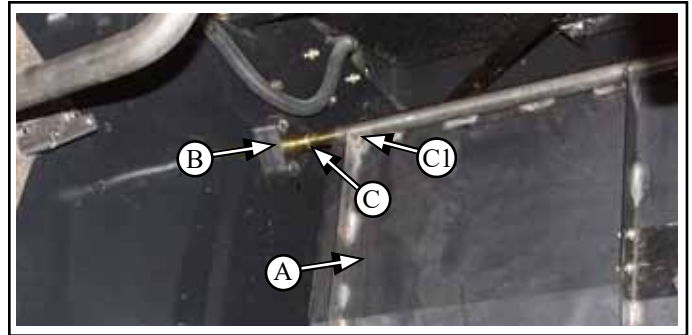
8.1.2 Reinstall pivot tube block (B) onto studs in side wall of combine with:

- M10 flange nuts (C1) x3
- both sides



8.1.3 Slide the straw door (A) up into the combine to the pivot tube blocks (B)

8.1.3.1 Slide the pins (C) into the pivot tube block (B) and secure pins (C) with hardware removed in 8.1.1:
- M8 x 45 hex head bolt and hex nut (C1) both sides

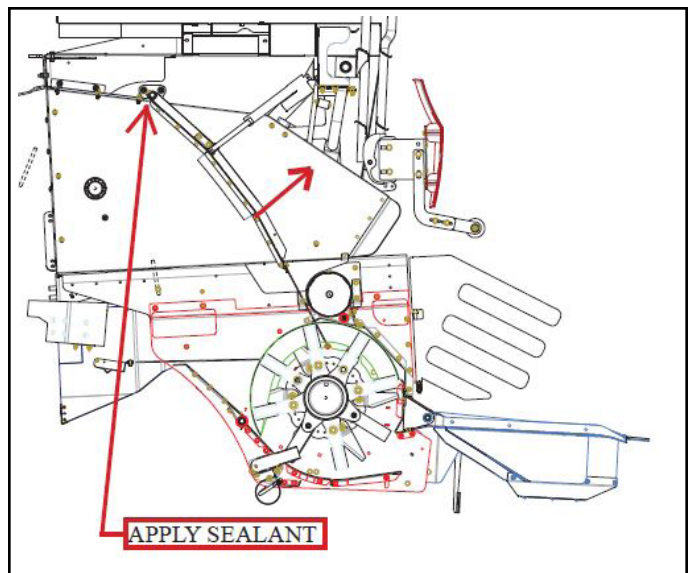


8.1.4.3 Straw door (A) installed



8.1.5 Case AFX Straw Door Sealing

- Raise straw door to rear most position and apply a bead of RTV Silicone between the straw door pipe and roof.
- Apply Silicone to any other openings



8.2 Straw/Windrow Door Adjustment and Actuator Configuration

In order to use the actuated straw hood door, the residue system type must be set correctly in the Machine Configuration menu. The Residue System **MUST** be set as described in the first row of the settings table given in section 18.1.4 or the straw door will not be able to calibrate. This setting must be changed by a CASE technician using an electronic service tool (EST), it cannot be changed by the operator.

Machines with Disc spreaders that are being converted to a MAV chopper with an actuated straw door will require this setting to be changed.

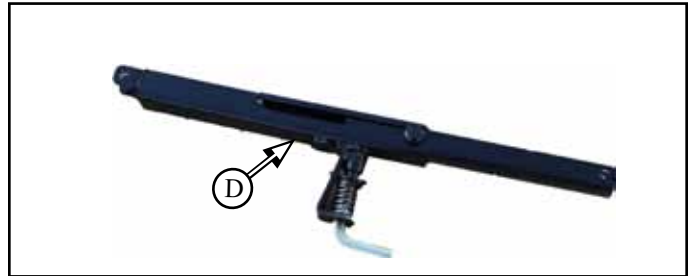
If combine is equipped with electric actuator - Install new straw door actuator - RP1058 - Step 8.2.2

8.2.1 for Mechanical Linkage Arm:

Parts List:

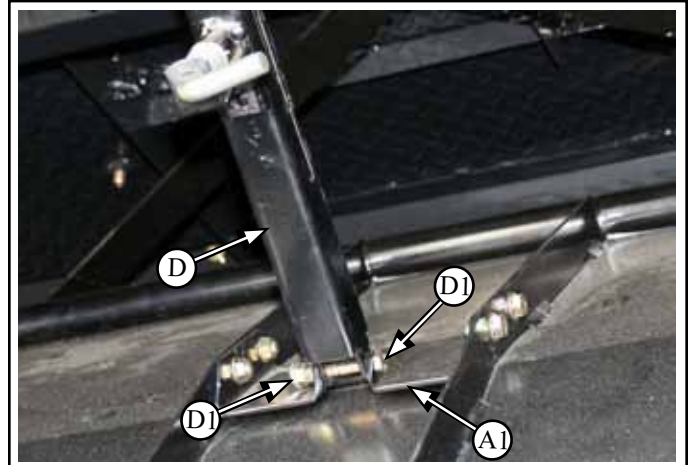
purchase part kit #CS861K if required, consists of:

CS861BA	Straw Door Linkage Arm (D)	Qty 1
84127250	Rear Mount Bracket	Qty 1



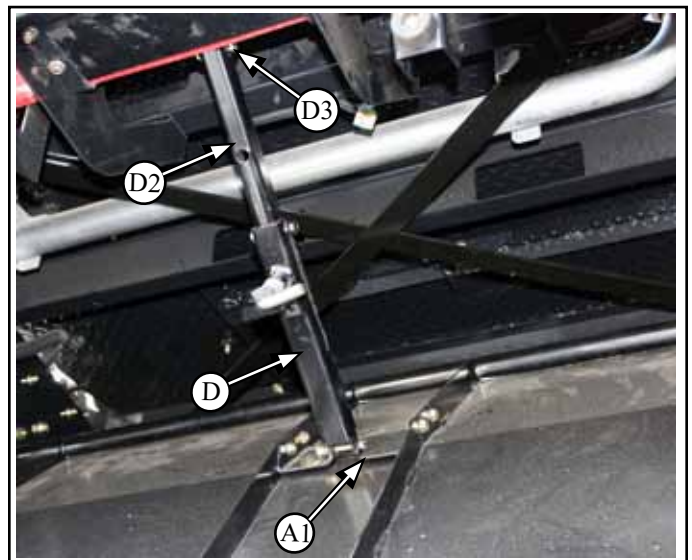
8.2.1.1 Mount base of linkage arm (D) to mount plate (A1) on straw door (A) with:

- M8 x 40 hex head bolt x1 and flange nut x2 (D1)



8.2.1.2 Mount top of linkage arm (D2) to top bracket with:

- M8 x 40 hex head bolt and flange nut (D3)



8.2.2 for Electric Actuator:

Parts List:

parts located in CS1131BS box
hardware located in CS859S bag

RP1058	Electric Actuator (E)	Qty 1
CS960Z	Actuator Stop (E3)	Qty 1



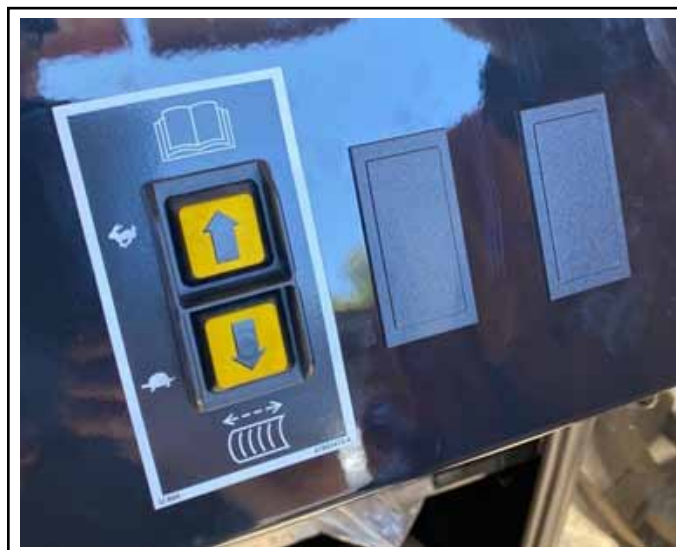
Straw/Windrow Door Actuator control variances:

50 Series with MAV Straw Chopper:

- will have straw door actuator switch in the LH toolbox area

50 Series without MAV Straw Chopper:

- will have connector present on rear straw hood harness for installation of straw door actuator
- an additional button for external control of straw door can be added. See section 11 for details



40 Series:

- will have connector on rear straw hood harness for attaching actuator

30 Series:

- before S/N YDG218540 an actuated straw door cannot be installed as the rear straw hood harness does not have a connector for the actuator

- S/N YDG218540 and after, the rear straw hood harness will have a connector for the straw door actuator

- or only use mechanical linkage arm

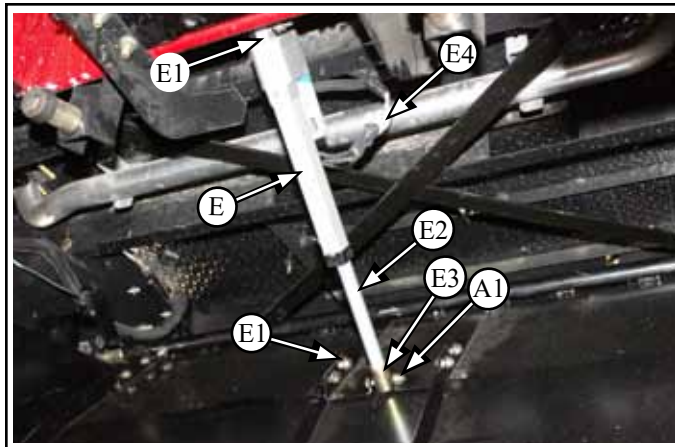
20 Series:

- only use mechanical linkage arm

8.2.2.1 Mount base of actuator (**E**) to top bracket with:
- M8 x 50 hex head bolt, flat washer and lock nut (**E1**)

8.2.2.2 Mount arm of actuator (**E2**) to mount plate (**A1**) on straw door with:
- CS960Z Actuator Stop (**E3**), M8 x 50 hex head bolt, flat washer and lock nut (**E1**)

8.2.2.3 Connect wire harness (**E4**)



8.2.3 Configure Straw/Windrow Door Actuator for Calibration

8.2.3.1 Full extension of the windrow door actuator prior to calibration is critical to the successful windrow door calibration procedure

8.2.3.2 The windrow door actuator can be extended manually 2 ways:

- 1 If the machine is equipped with factory power spreader adjusters, the actuator can be plugged into either the left or right spreader circuits and the console spreader adjustment switches can be used

The machine must still be configured in the residue settings page to have left and right spreader actuators installed

A calibration of the left/right spreader actuator (whichever side the actuator you are trying to extend is attached to) is recommended before manual extension to ensure that the actuator is fully extended when intended, if a calibration is not performed the actuator may stop prematurely due to previously stored limit information

- 2 If the machine is equipped with the Redekop tablet and has power tailboards installed, the actuator can be plugged into either the left or right tailboard circuit

Ensure installation code for power tailboards has been entered as per instructions in appropriate field installation manual (SCU or Chopper)

On the tablet main screen in the Redekop app, press on the 3 dots up in the top right corner

Select Service Menu screen

Select clear calibration

Return to main screen and up and down arrows for the left and right actuators should have appeared

Use L/R up arrow to incrementally extend actuator fully

Re-do calibration once the original actuator is re-attached

The above methods will work for a 50 series machine, but if the machine is equipped with an external windrow door actuator button as seen on page 89 it can be used to manually extend the actuator before calibration

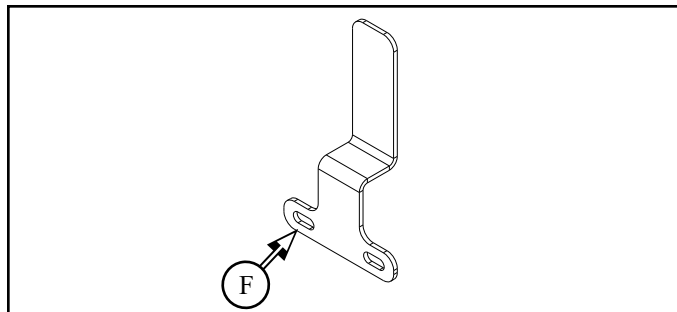
8.2.3.3 Calibrate windrow door actuator using instructions in section 18.3.2

8.3 Straw/Windrow Door Sensor Target Installation

Parts List:

parts located in CS1131BS box
hardware located in CS859S bag

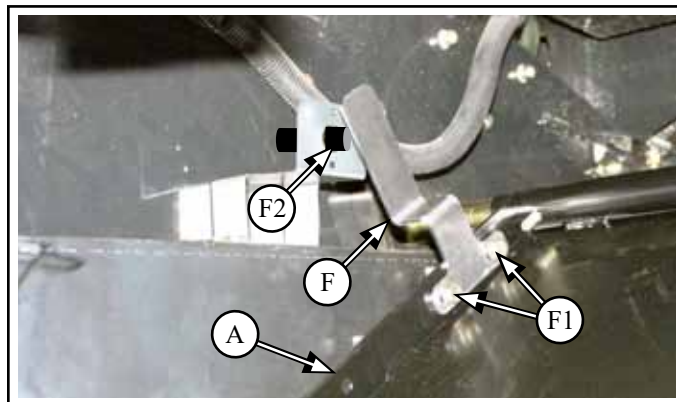
CS943B Proximity Sensor Target Plate (F) Qty 1



8.3.1 Install proximity sensor target plate (F) onto rib of straw door (A) with:

- M8 x 25 flange head bolt and flange nut (F1) x2

8.3.2 Adjust proximity sensor (F2) to target (F) so that spacing is 2-4mm clearance



8.4 Top Filler Plates Installation

Parts List:

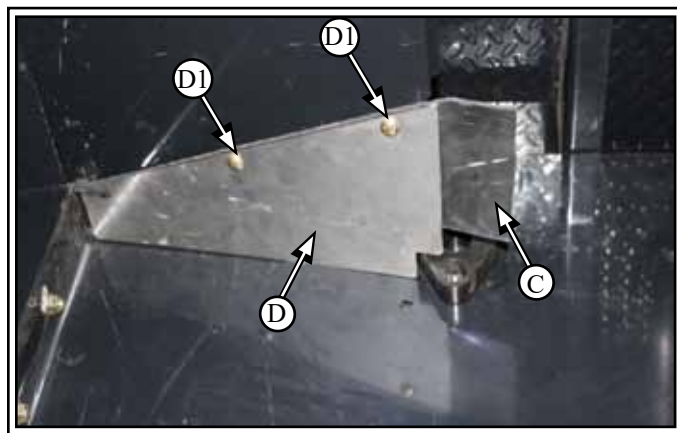
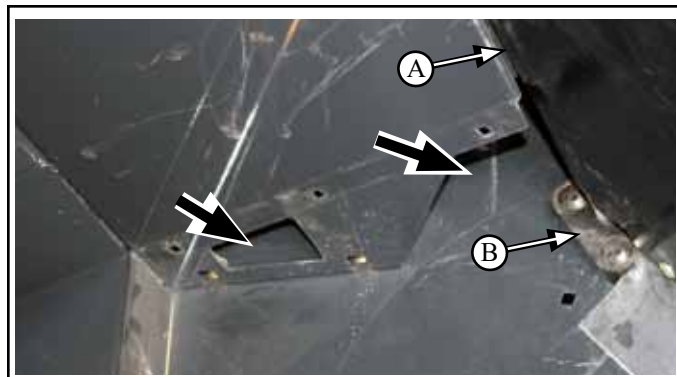
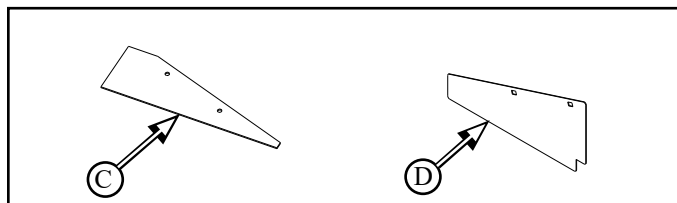
parts located in CS1131BS box
hardware located in CS859S bag

CS669-01 Roof Seal Belt (C) Qty 2

CS468B Top Filler Plate (D) Qty 2

8.4.1 Install the roof seal belt (C) first and then the top filler plate (D) to cover the open areas on the left and right side of combine top panel, with:

- M8 x 20 round head bolt and flange nut (D1) x4



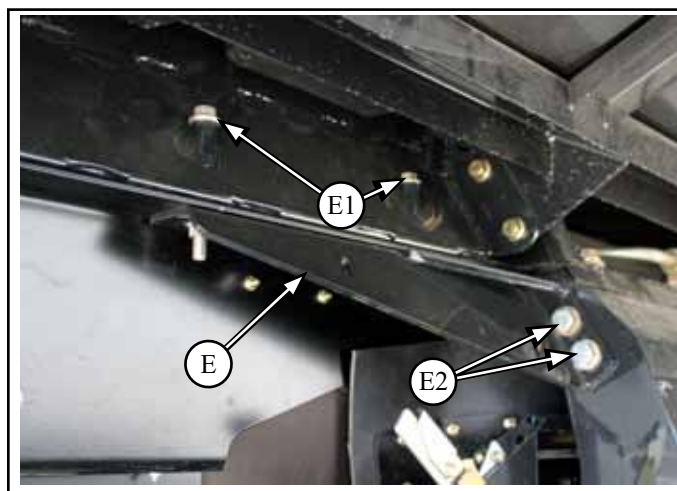
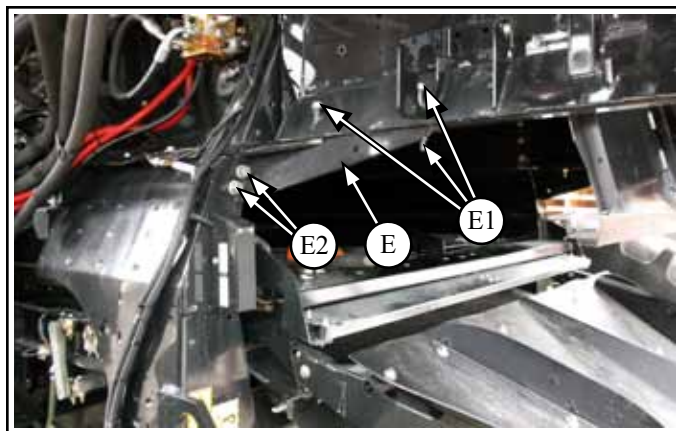
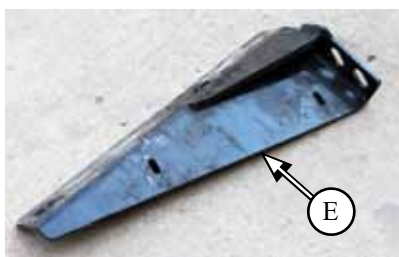
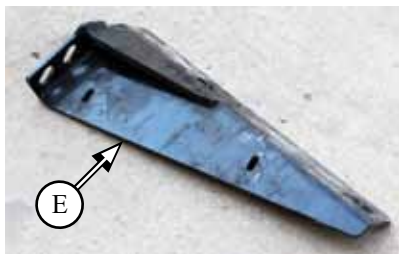
9 Chopper Installation

If SCU is being installed, reference SCU Installation Manual for chopper modifications prior to installation

9.1 Remove Left and Right Rear Gusset Support Braces (E)

9.1.1 Remove left and right rear gusset support braces (E)

- both sides
- rear gusset support braces (E) not to be reused
- mounting hardware (E1 & E2) x2 to be reused

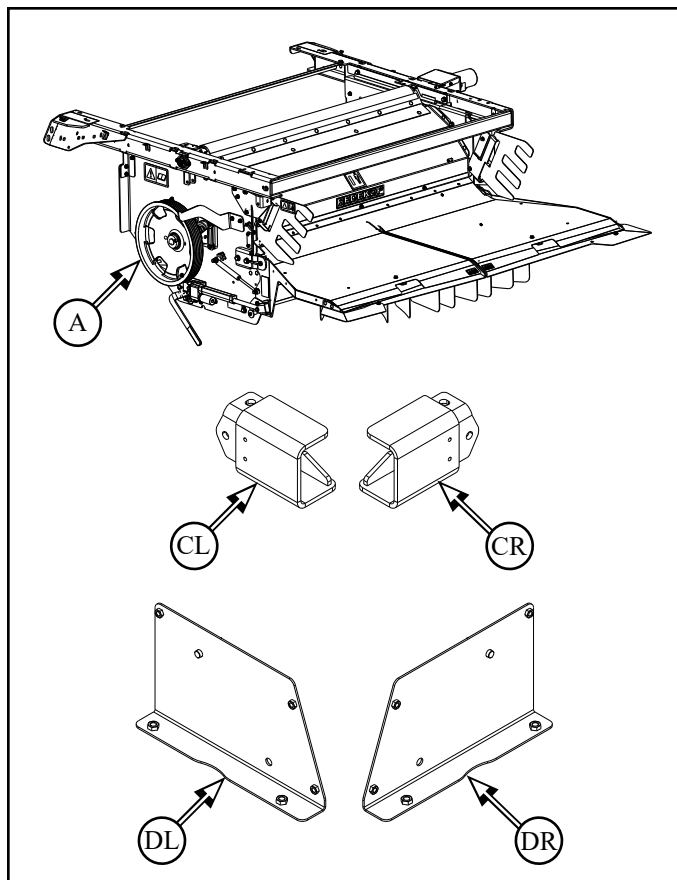


9.2 Chopper Installation

Parts List:

parts located on pallet and in CS1130BS box
hardware located in CS672S bag

CS1197BA	AFX MAV Chopper SCU ready (A)	Qty 1
CS1195BL	Chopper Slide Stop Lt (CL)	Qty 1
CS1195BR	Chopper Slide Stop Rt (CR)	Qty 1
CS1182BL	Front Skin Support Brkt Lt (DL)	Qty 1
CS1182BR	Front Skin Support Brkt Rt (DR)	Qty 1



9.2.1 With a forklift, raise the Chopper (A) and align the interface rails to the combine bottom mounting flanges



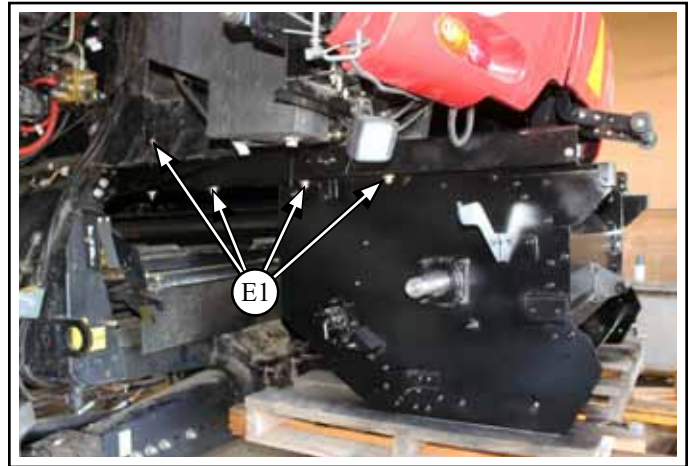
9.2.1.1 Fasten interface rails to bottom of combine flange with:

- reuse existing hardware
- M12 x 200 hex head bolt, flat washer, heavy duty flat washer, lock washer, flange nut (**E1**) x8 - both sides
- on right side, the 3 front bolts will have to be installed pointing up, with the head on the bottom



E1:
M12 x 200 hex head bolt
Flat washer

Heavy duty washer
Lock washer
Flange nut

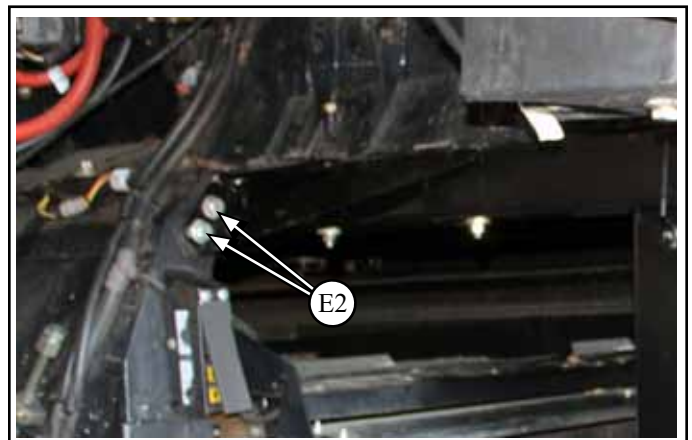


Note: Some bolts will have to be installed from the bottom because of tanks on some models

9.2.1.2 Fasten front of interface rails to rear of combine with:

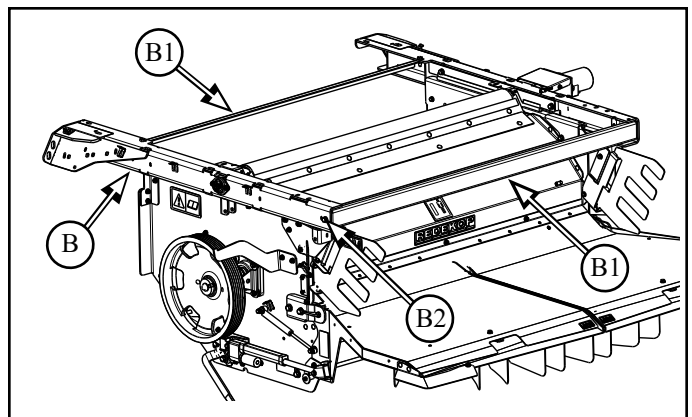
- reuse existing hardware
- M16 x 40 hex head bolt, flat washer (**E2**) x4 - both sides

9.2.2 Ensure chopper is square to combine
- tighten mounting hardware (**E1** & **E2**)



9.2.3 Remove front and rear braces (**B1**) x2 from interface (**B**)

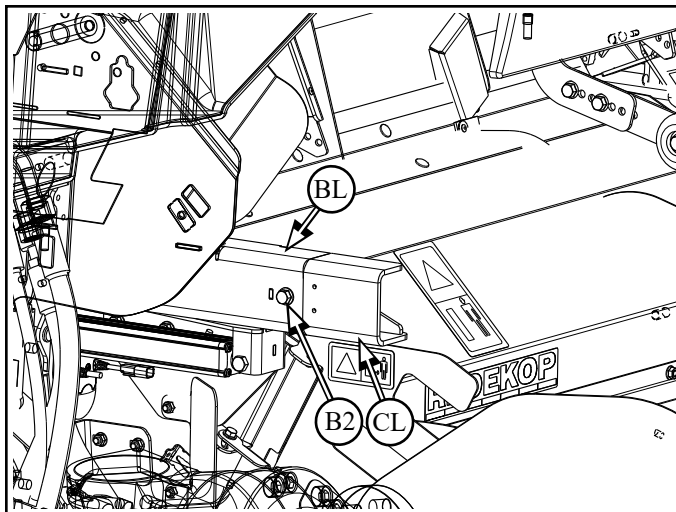
- braces not to be reused
- brace mount hardware (**B2**) x2 to be reused



9.2.4 Install chopper slide stop (**CL**) into rear of interface channel (**BL**), with:

- reuse brace mount hardware (**B2**)

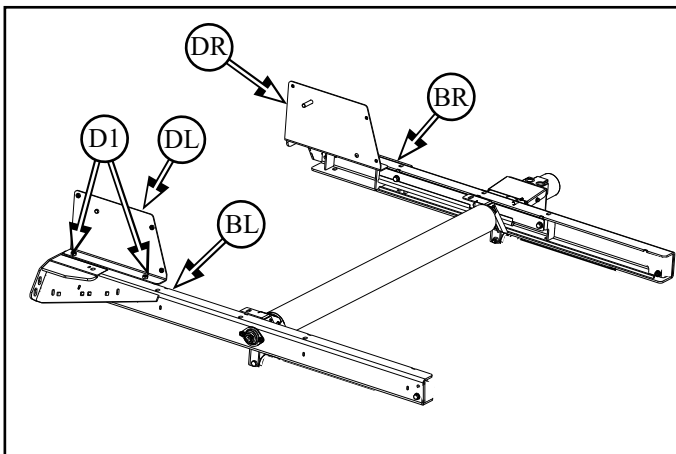
9.2.4.1 Repeat for right side



9.2.5 Install left front skin support (**DL**) to top of left front interface rail (**BL**) with:

- M10 x 20 flange bolt (**D1**) x2

9.2.5.1 Repeat for right side

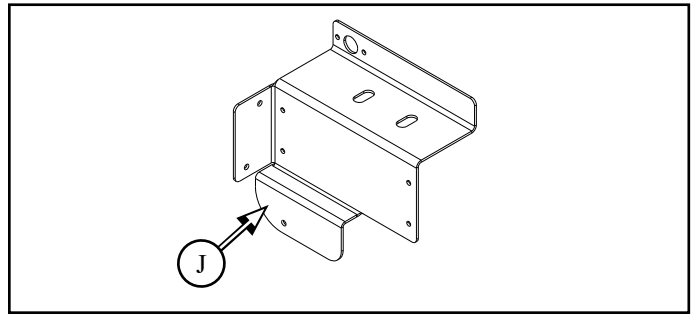


9.3 Ladder Proximity Sensor Mount Plate Installation

Parts List:

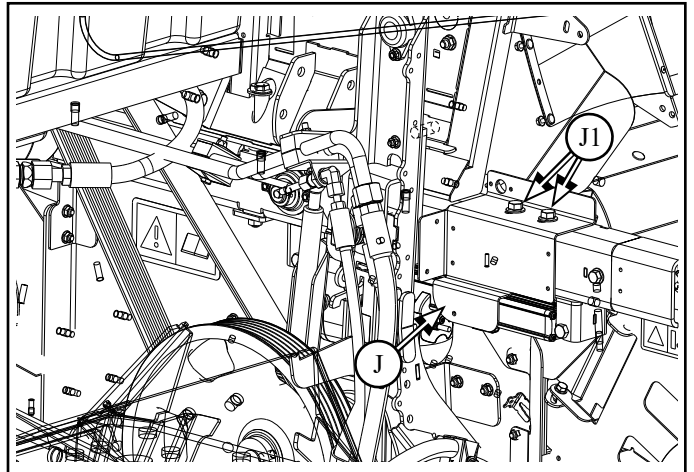
parts located in CS1131BS box
hardware located in CS859S bag

CS1154B Ladder Proximity Sensor Mount Plate (**J**) Qty 1



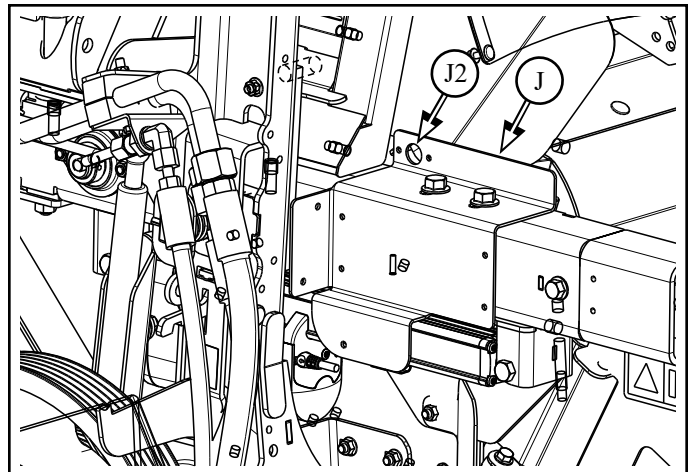
9.3.1 Install proximity sensor mount plate (**J**) on to interface rail (**B**) with:

- M12 x 25 flange bolt and flange nut (**J1**) x2



9.3.2 Reinstall ladder position sensor into hole (**J2**) on sensor mount plate (**J**)

- adjust sensor to have 2-4mm clearance to ladder plate
- connect wire harness



9.4 Rotor Blade Clearance Inspection

- 9.4.1  Rotate Chopper Rotor Manually to ensure that there is clearance between All Blades and shields before running up the chopper.

- Adjust Rotor if there are clearance issues

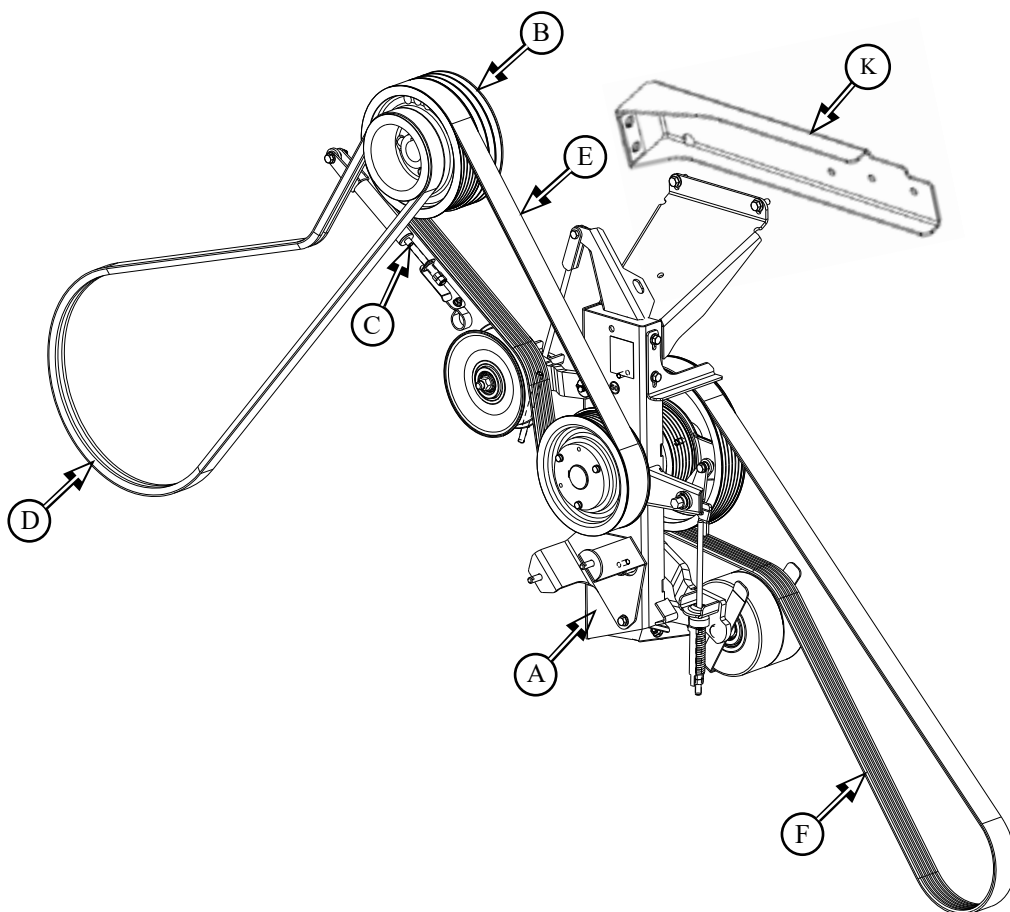
Not doing so could cause catastrophic failure

10 Chopper Drive Jackshaft Installation

Parts List:

parts located on pallet, CS1132BS box
hardware located in CS825S bag

CH660BA Jackshaft AFX 6M Assy (A)	Qty 1	RP1135 Sheave AFX PTO 6M (B)	Qty 1
CS784BA Spring Assy Weld Int Chopper HS (C)	Qty 1	BE2B117K VBelt 2B 117L (D)	Qty 1
BE6M92K VBelt 6M 92L Kevlar (E)	Qty 1	BE6M122K VBelt 6M 122L Kevlar (F)	Qty 1
CS837Z Bracket Notched 240S KBar Adj 25% (H)	Qty 1	CS838Z Bracket Notched Knife Bar Adj 25% (I)	Qty 1
CS772B Jackshaft Mount Gusset (K) (MY16 & Older)	Qty 1		



10.1 Sheave AFX PTO 6M Installation

Parts List:

parts located in RP1135S box

RP1135 Sheave AFX PTO M Driver (**B**) Qty 1

10.1.1 Remove the factory sheave (**J**)

- not to be reused
- mounting hardware (**J1**) to be reused

10.1.2 Install new 6M Sheave (**B**) with:

- existing hardware (**J1**)
- ensure key is in place

10.1.2.1 Torque bolt (**J1**) to 95-105 N•m (70-77 ft•lb)

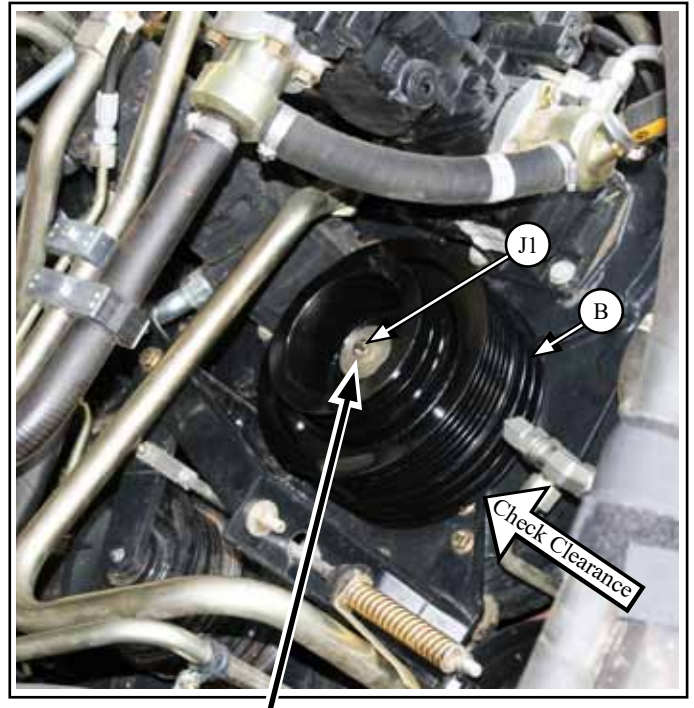
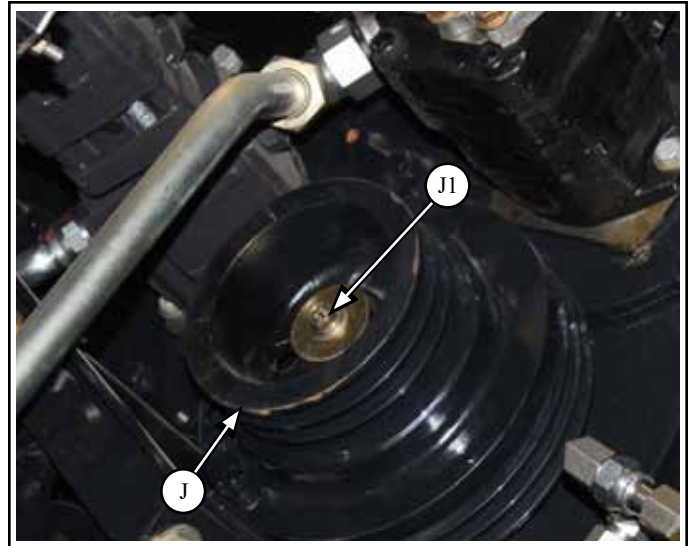
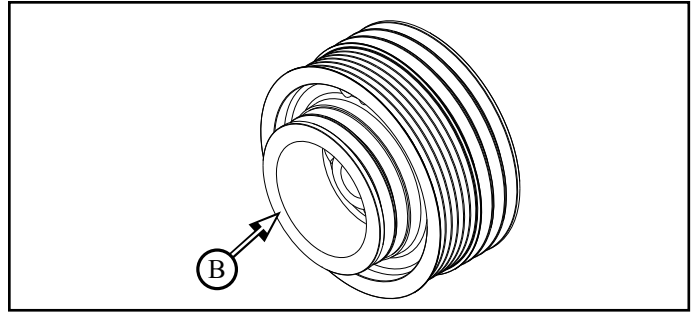
Then firmly tap the sheave with a rubber mallet and torque again.



Do Not use impact gun!
This bolt can be easily torqued off

10.1.3 Check for clearance between back of sheave (**C**) and flange on rear gusset after sheave is tightened

10.1.3.1 If flange is too long, grind down flange to provide clearance



Torque to 95-105 N•m
(70-77 ft•lbs)

10.2 Top Jackshaft Support Gusset Installation



Not Required for MY17 & Current Machines

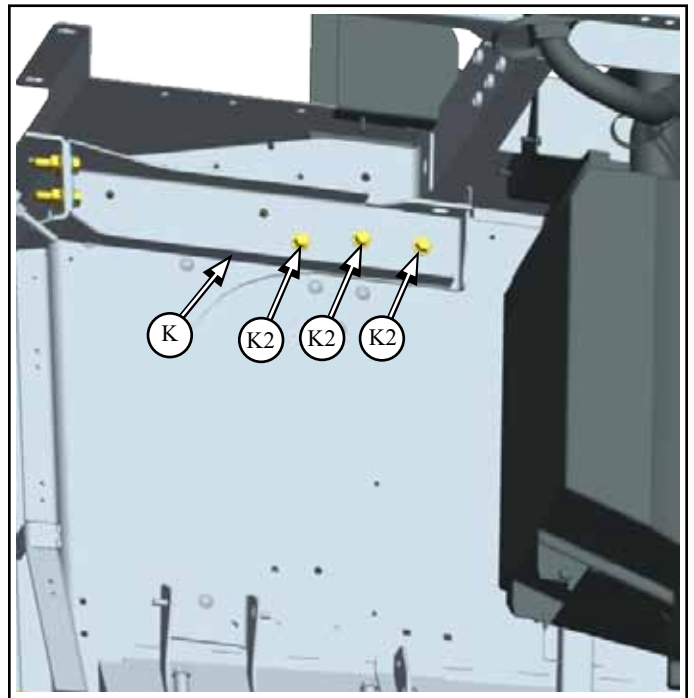
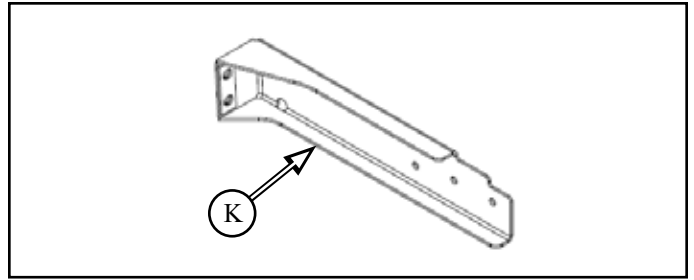
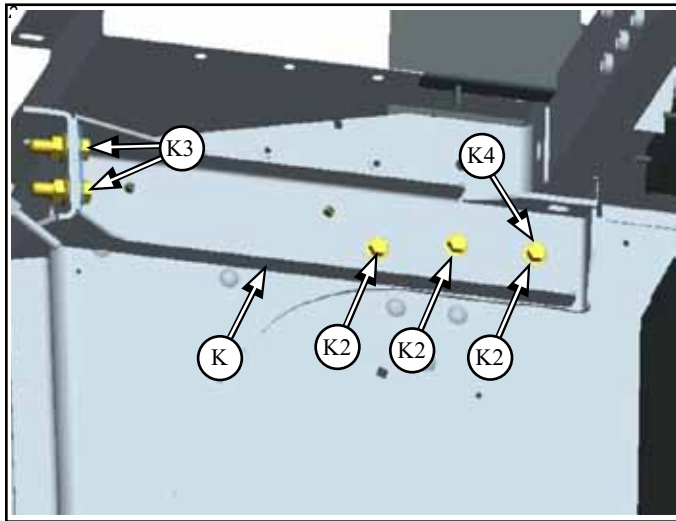
Parts List:

CS772B Gusset JackShaft Mount (**K**) Qty 1

10.2.1 Attach Gusset JackShaft Mount (**K**) on the outside of left combine side wall thru existing holes with:

- M12 x 40 flange bolt and flange nut (**K2**) x3
- M16 x 50 flange bolt and flange nut (**K3**) x2

10.2.2 Drill 12mm (1/2 in) hole (**K4**)

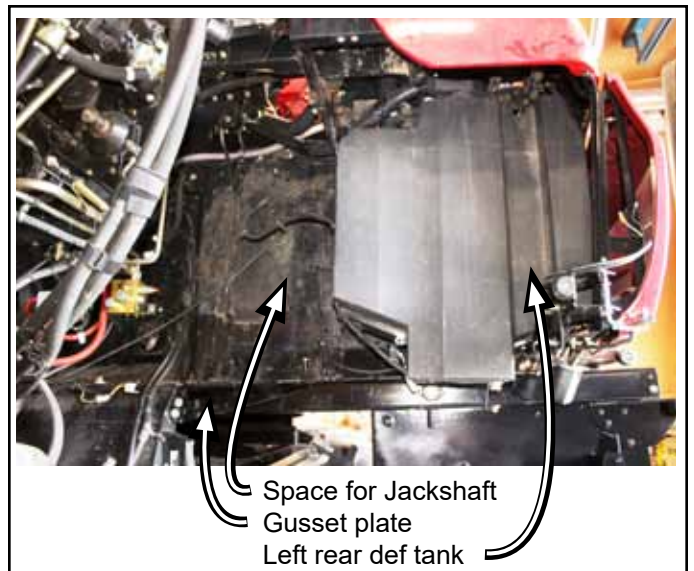


10.3 Jackshaft 6M Installation

10.3.1 Lift Jackshaft (**B**) into place in front of left rear fuel tank



Heavy - Use Hoist or Lifting Device





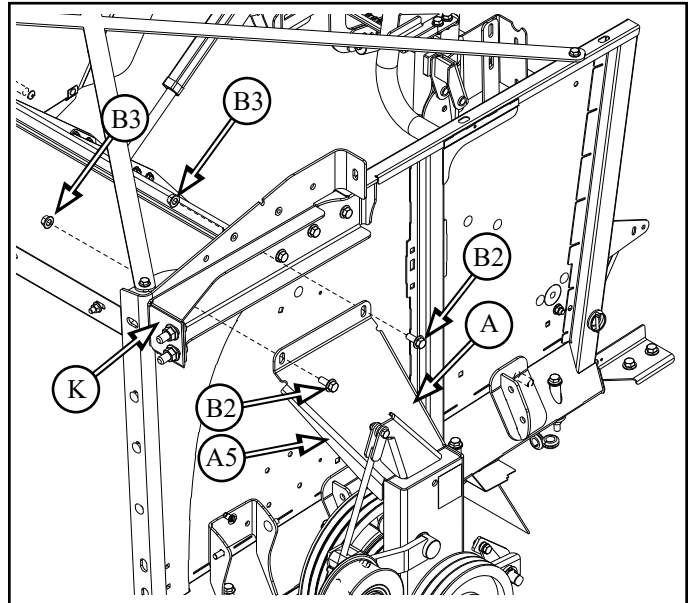
For MY16 & Older

10.3.2 Secure top mount bracket (**A5**) of jackshaft to the gusset jackshaft mount bracket (**K**) with:

- M12 x 30 flange bolt (**B2**) x2
- M12 Flange Nut (**B3**) x2

10.3.2.1 Bottom of jackshaft to be installed onto gusset plate of interface (see 10.3.3), with:

- M12 x 30 flange bolt and flange nut (**A1**) x3



For MY17 & Newer

10.3.3 Bottom of jackshaft to be installed onto gusset plate of interface with:

- M12 x 30 flange bolt and flange nut (**A1**) x3

10.3.4 Top of jackshaft to be installed onto upper side wall with:

- M12 x 30 flange bolt and flange nut (**A2**) x2



Bolts (A2) to be mounted on inside of combine wall - Threads to the outside



10.3.5 Align Jackshaft Sheave

- Align the Jackshaft Outer Sheave (**A3**) to the Combine PTO Sheave (**B**) with laser alignment tool

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

- Alignment can be corrected by adjusting the top or bottom jackshaft mounts with a shim
- Alignment can be corrected by adjusting the distance of the sheave (**A3**) from the jackshaft as necessary
- adjust idler wheel (**A4**) alignment if necessary
- Once the Sheaves are aligned, tighten sheaves and mounting hardware



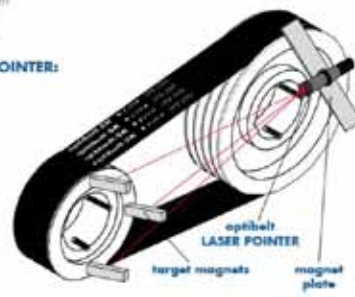
optibelt LASER POINTER

The **optibelt LASER POINTER** makes it easier to adjust belt drives.

The belt pulleys can be adjusted to each other via their front or side faces, respectively.

BENEFITS OF THE optibelt LASER POINTER:

1. Fast and easy use for belt drives
2. Laser output power 5 mW
3. Exactly aligned line projection
4. Measuring of parallel and angular misalignment
5. Higher operational reliability of the drives
6. Time-saving and precise measuring method



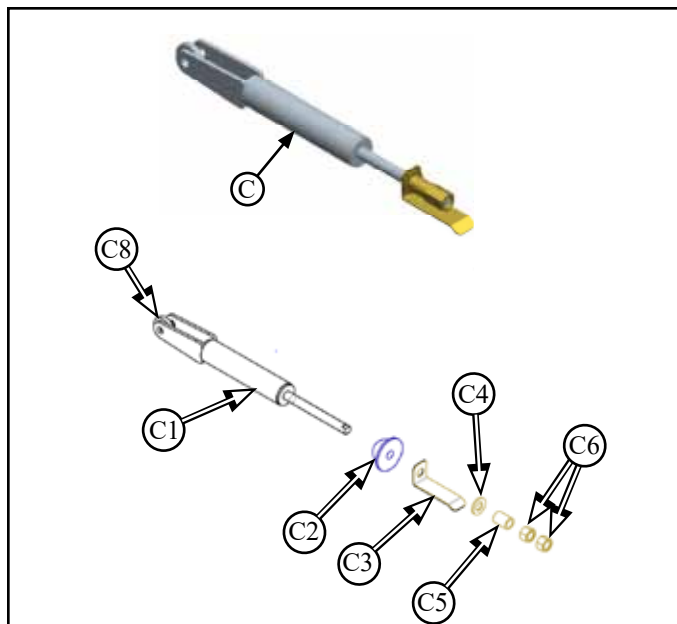
10.4 Spring Tensioner Assembly (C) Installation for Internal High Speed OEM Chopper Belt

Parts List:

parts located in CS1132BS box
hardware located in CS825S bag

CS784BA Spring Tensioner Assembly (C)	Qty 1
CS784B Spring Assy Int Chopper HS (C1)	Qty 1
CS797Z Indicator Internal Chopper HS Spring (C3)	Qty 1
CS856Z Spacer (C5)	Qty1
Washer Flat M12 x 24 x 2.5 Yzd (C4)	Qty1
Nut Hex M12 C8 Yzd (C6)	Qty2
Re-use Plastic Spacer (C2) from factory tensioner	

Tighten all belts by adjusting spring tensioners:

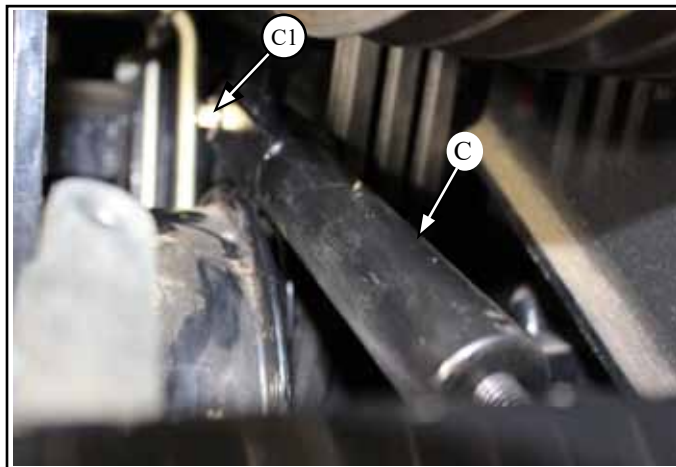
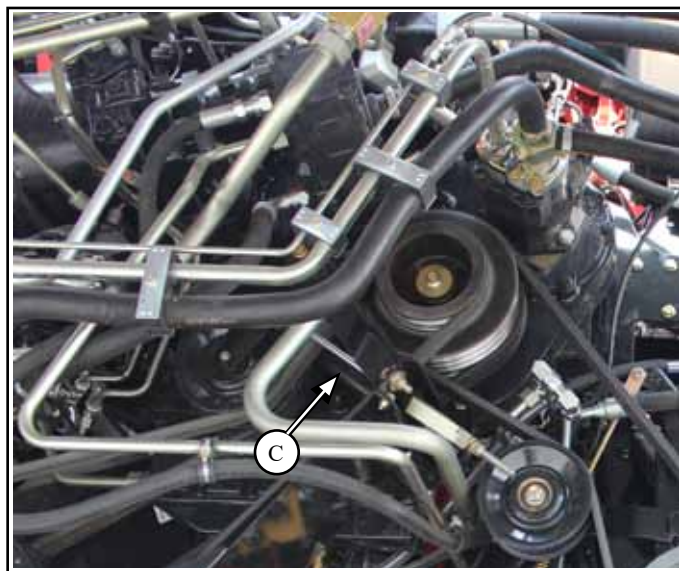
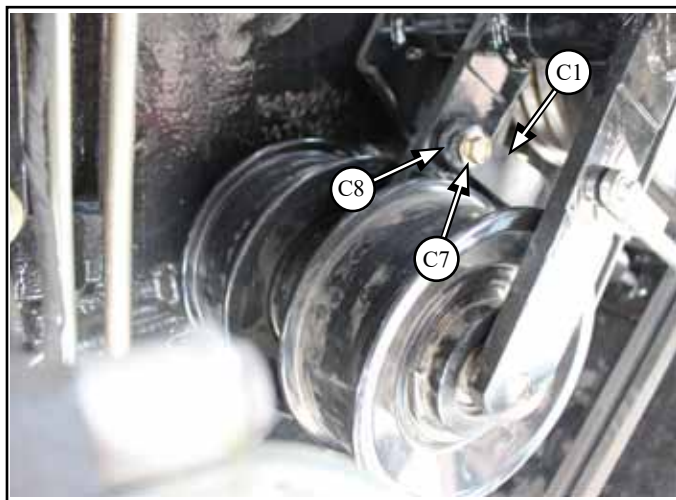


10.4.1 Mount Spring Assy Int Chopper HS (C1) on the internal drive pulley shaft with:
- M10 x 45 flange bolt and lock nut (C7) x1

***Tighten nut (C7), to touch clevis but still turn freely ***



Install spring assembly with spacer (C8) on clevis as shown (towards outside) for belt clearance



10.5 Re-install Drive Belts

Parts List:

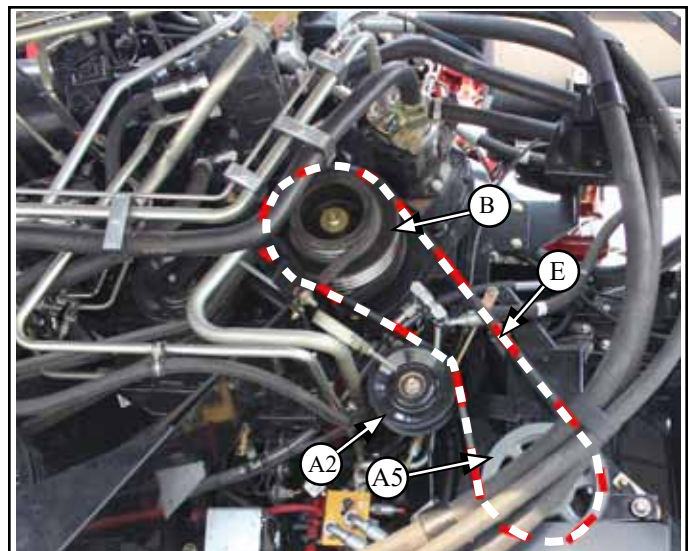
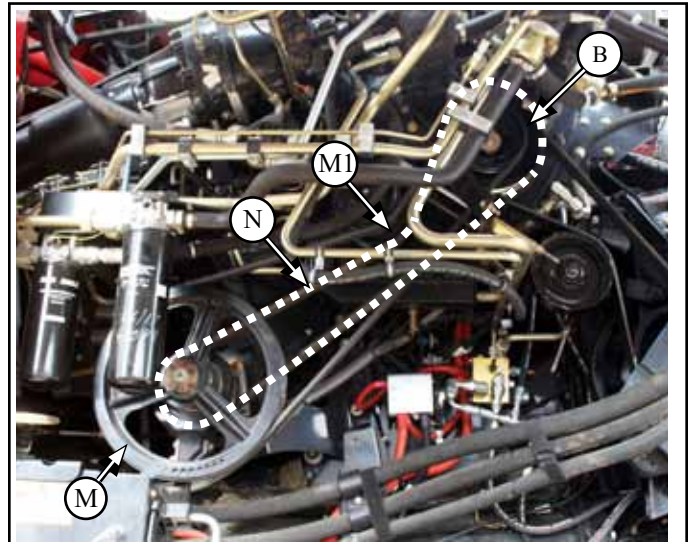
Belts located in CS1132BS box

BE2B117K	VBelt 2B x 117L (D)	Qty1
BE6M92K	VBelt 6M x 92L (E)	Qty 1
BE6M122K	VBelt 6M x 122L (F)	Qty 1

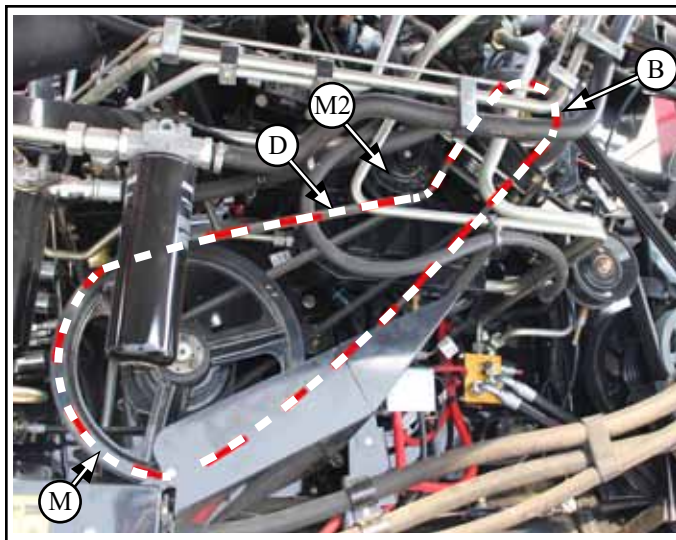


10.5.3 Re-install OEM V belt (N) onto the upper sheave (B) inner grooves, route around idler (M1) and install onto large drive sheave (M) inner grooves on combine

10.5.3 Install V belt BE6M92K (E) onto the upper sheave (B), route around idler (A2) and install onto the outer sheave (A5) on jackshaft



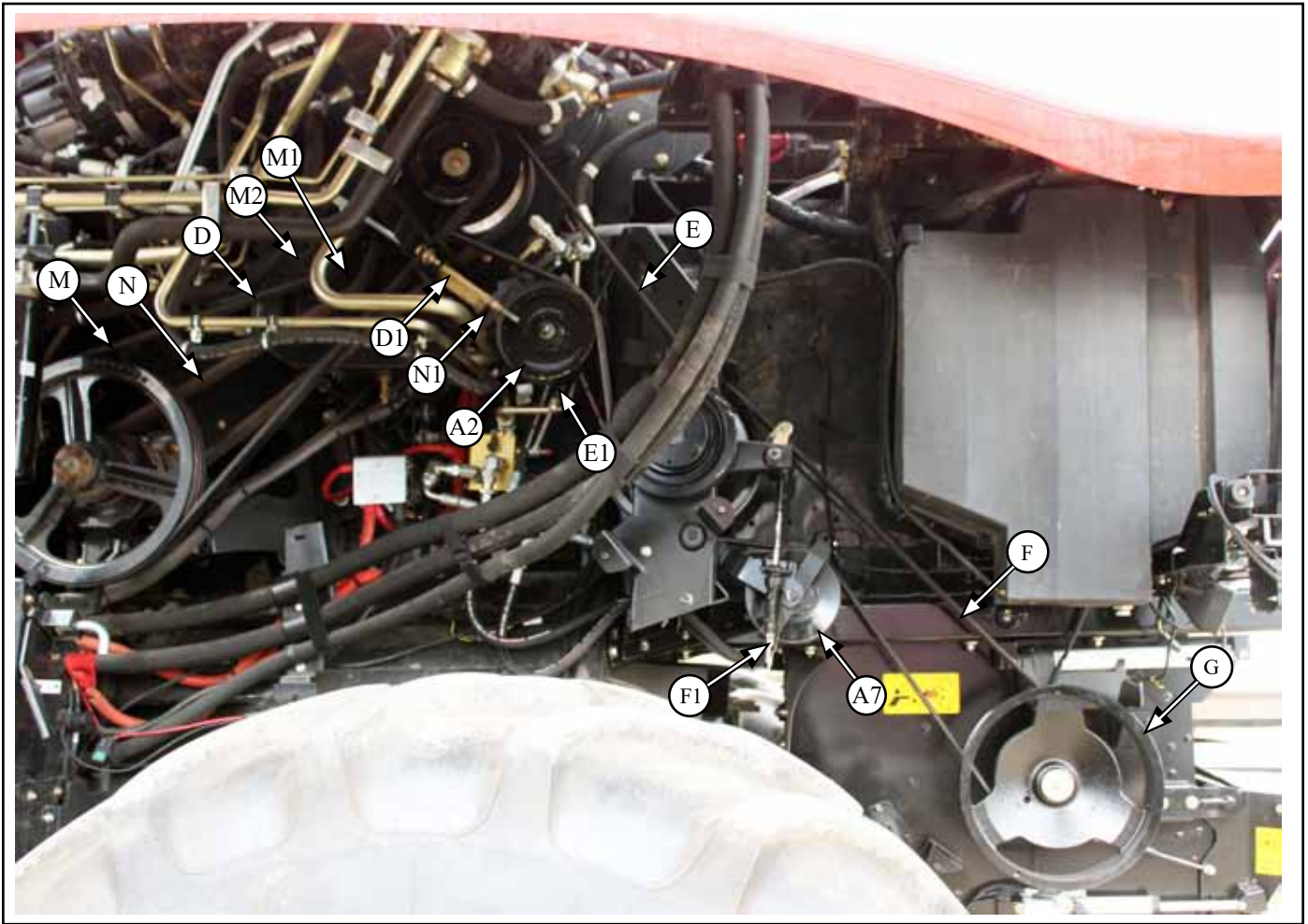
10.5.4 Install V belt BE2B117K (**D**) onto the upper sheave (**B**) outer grooves, route around idler (**M2**) and install onto large drive sheave (**M**) on combine



10.5.4 Install 6M belt BE6M122K (**F**) onto the inner sheave (**A6**) on jackshaft, route around idler (**A7**) and install onto the chopper drive sheave (**A8**) inner grooves

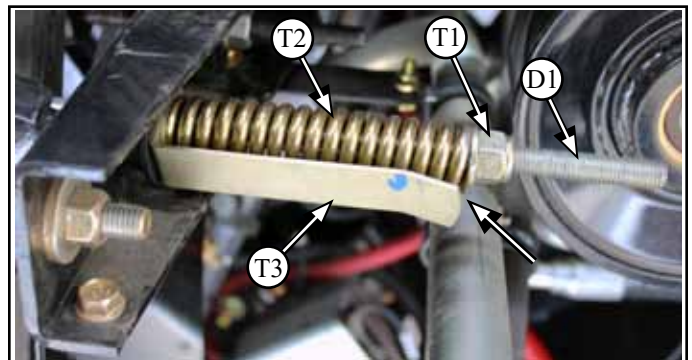


10.5.5 Adjust tension on belts:

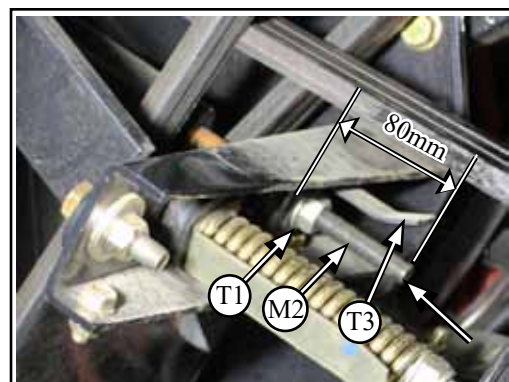


10.5.6 To adjust the tension on the belt, the idler needs to be adjusted to apply the correct tension to the belt

10.5.6.1 To apply idler tension (**A2**, **A7**, **M1**, **M2**), adjust nut (**T1**) on tension rod (**D1**, **F1**, **N1**) to tighten spring (**T2**) until it lines up with the spring indicator (**T3**)
- typical for all belts except **M**



10.5.6.2 To apply idler tension (**M2**), adjust nut (**T1**) on tension rod (**M2**) until indicator (**T3**) lines up with the end of the rod
- 80mm of rod should be exposed behind pivot



10.6 Speed Sensor Installation

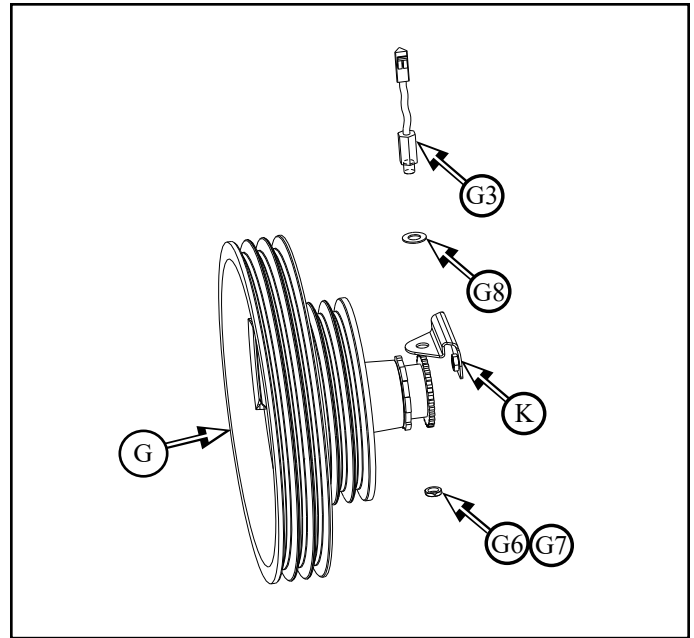
10.6.1 Attach CASE IH speed sensor (**G3**) to the Mount Plate (**K**) with:

Hardware included in

- .5-20 hex jam nut (**G6**)
- .563-32 hex jam nut (**G7**)
- .563 flat washer (**G8**)



Bottom of sensor must be within 1-2mm of rotating tooth - adjust mount and add washer W11-09 (G8**) as required**



10.7 Knifebar Engagement Limiting Bracket Installation - Not required if combine is equipped with hydraulic knifebar adjustment

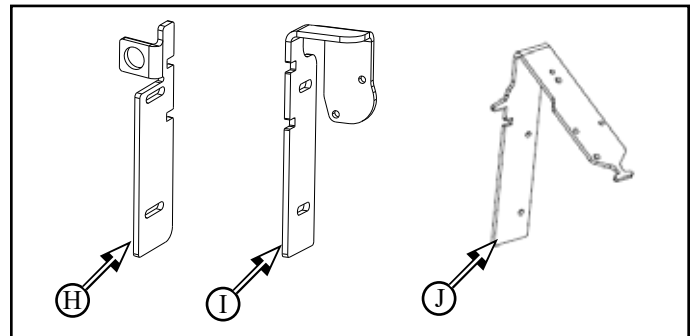
Parts List:

part located in CS1135BS box

CS838Z Notched Bracket
240 Series Model Year <17,
230, 20, 10S KBar Adj 25% (**H**) Qty 1

CS837Z Notched Bracket 240S Model Year 17
KBar Adj 25% (**I**) Qty 1

CS1064Z Internal Knife Lock-out (**J**)



For 230 Series Only

10.7.1 Remove factory bracket and replace with notched bracket (**H**) on the outside wall (**H1**) of internal hydraulic knifebar with:

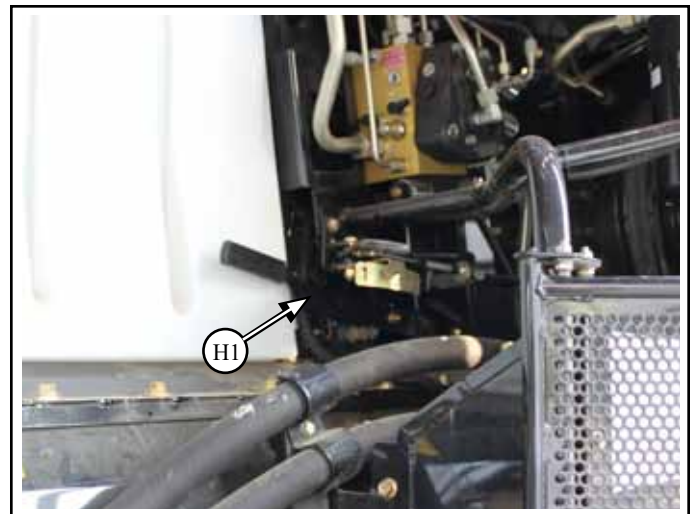
- existing hardware



For 240 Series Only

10.7.2 Remove factory bracket and replace with notched bracket (**I**) on the outside wall (**H1**) of internal hydraulic knifebar with:

- existing hardware

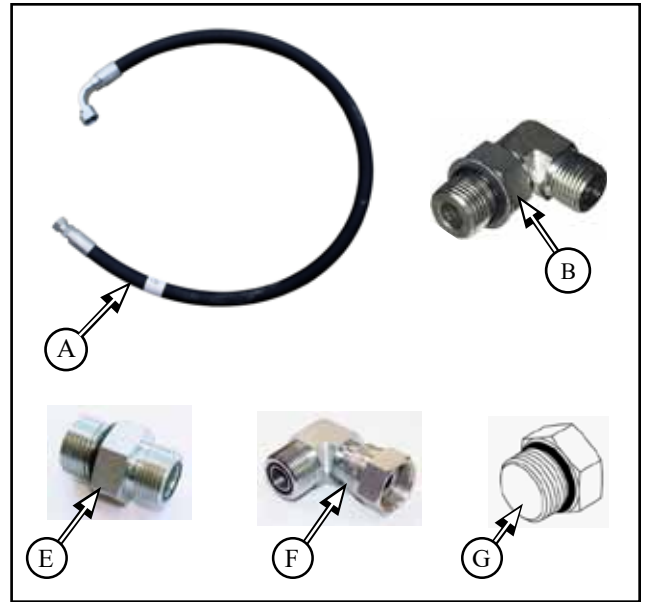


10.8 SCU & Windrow Hydraulics Installation

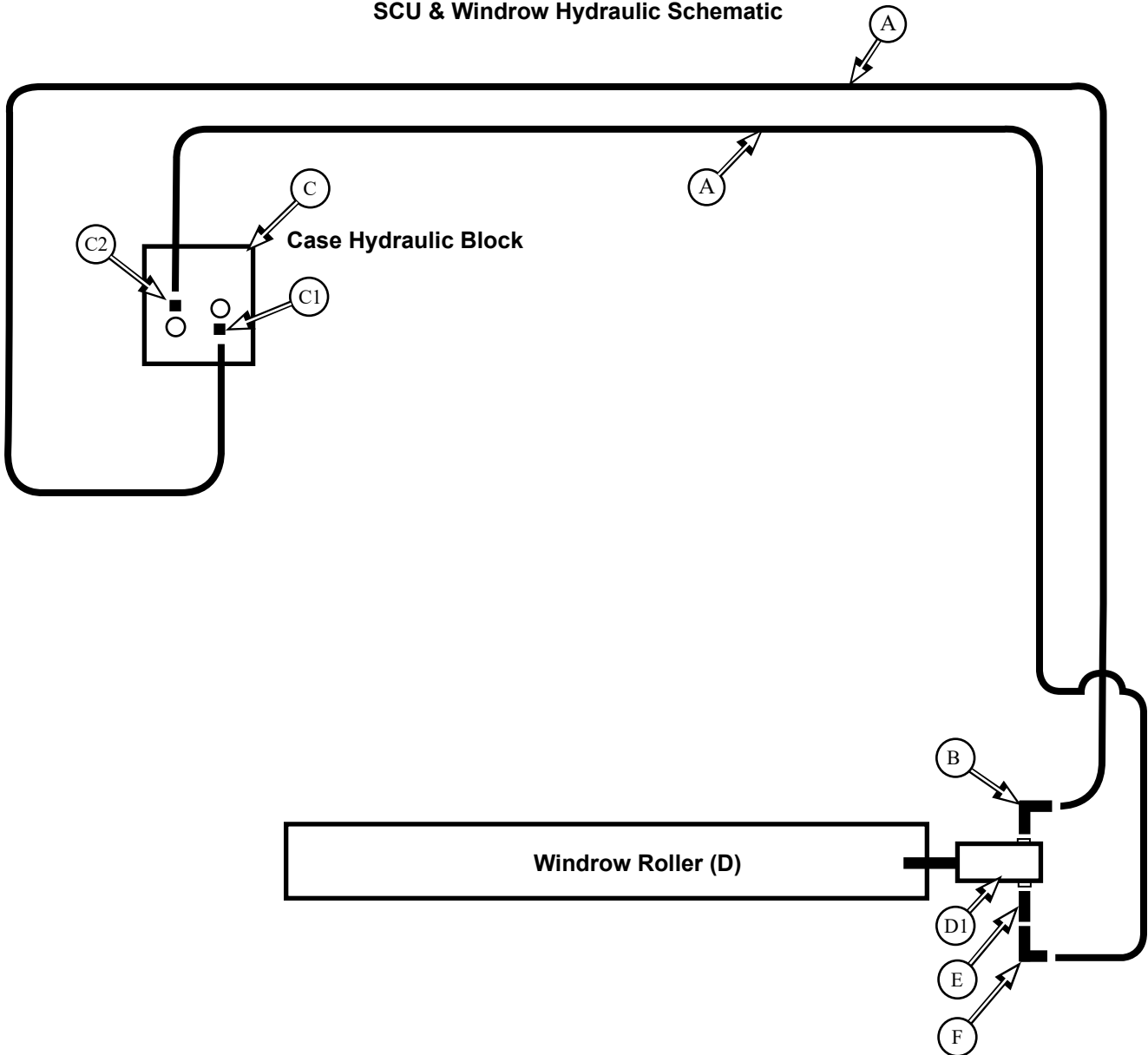
Parts List:

parts located in CS1134BS box

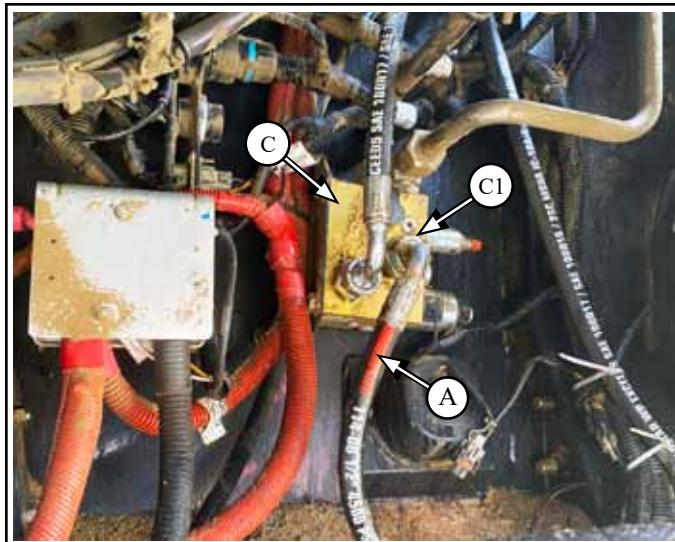
HH145	Hyd. Hose .5 x 210L (A)	Qty 2
H35-1010FS	Fit Hyd 90deg 10 MORB - 10 MORFS (B)	Qty 1
H25-1010MF	Fit Hyd Str 10 MORB - 10 MORFS (E)	Qty 1
H38-1010FFX	Fit Hyd 90deg 10 MOFS - 10 FORFX (F)	Qty 1
H17-06	Hyd Plug 6 MORFS (G)	Qty 1



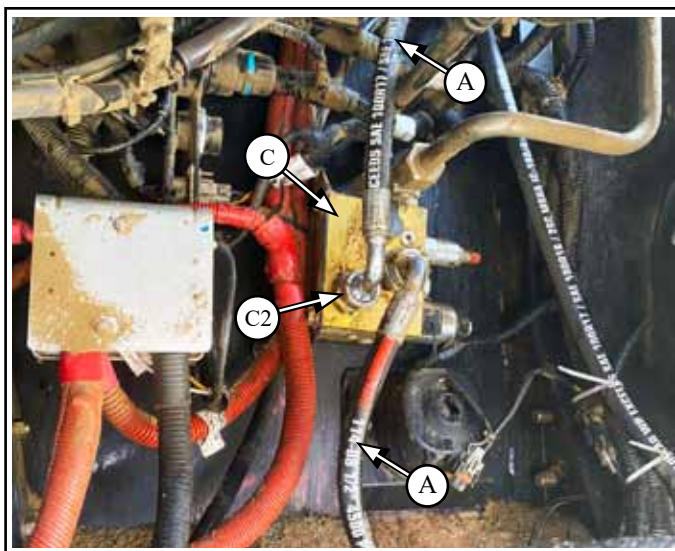
SCU & Windrow Hydraulic Schematic



10.8.1 Install hyd hose (A) onto fitting (C1) on pressure line port of Case Hydraulic Block (C)

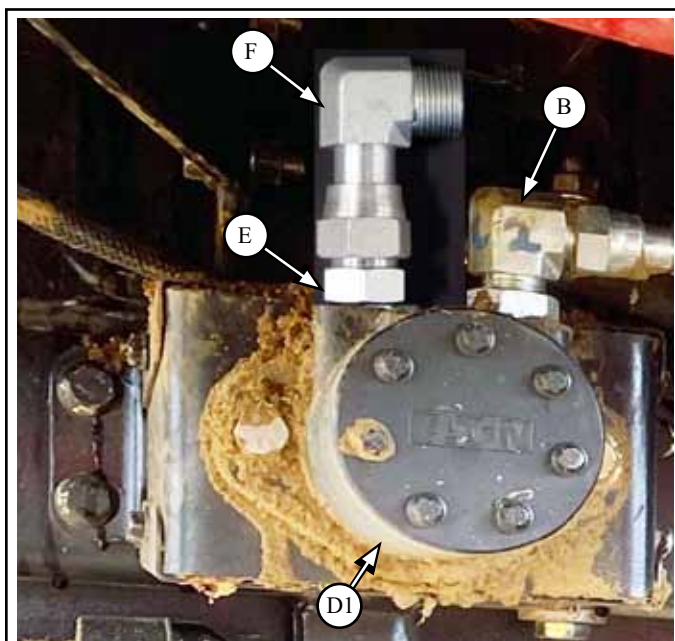


10.8.2 Install hyd hose (A) onto fitting (C2) on return line port of Case Hydraulic Block (C)



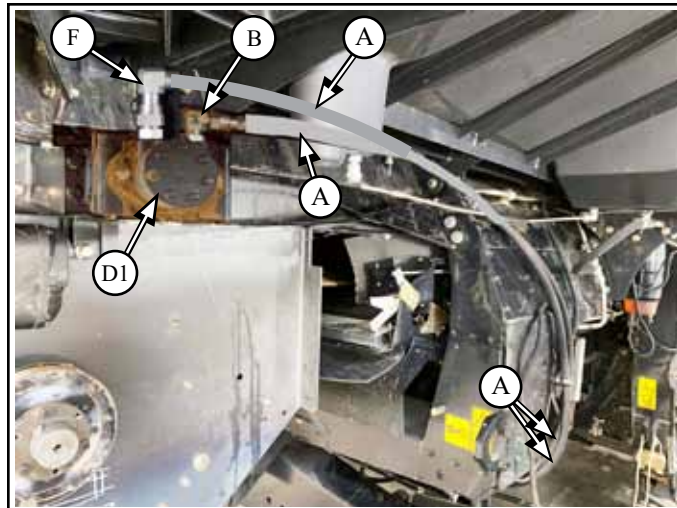
10.8.3 Install hydraulic fitting (B) onto port of Windrow Roller motor (D1)
- ensure fitting is facing forwards

10.8.3.1 Install hydraulic fittings (E & F) onto other port of Windrow Roller motor (D1)
- ensure fitting is facing forwards



10.8.4 Run hydraulic hoses (A) underneath combine along front of rear axle to fittings (B & F) on Windrow Roller motor (D1)

10.8.5 Install hydraulic hoses (A) to fittings (B & F) on Windrow Roller motor (D1)

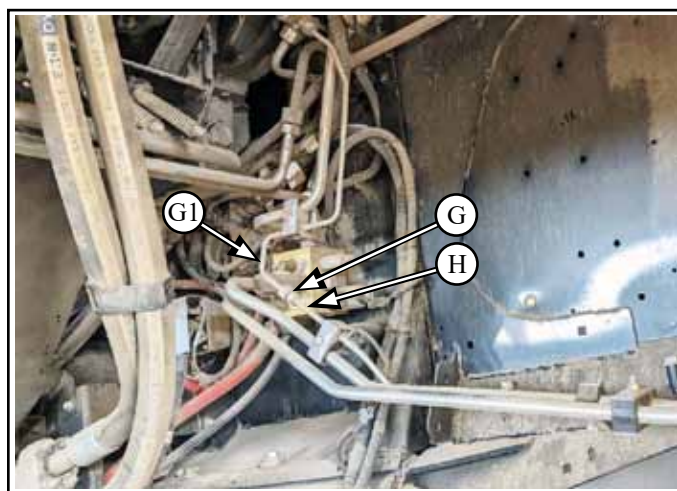


10.8.6 Secure hydraulic hoses in place with tube clamps and cable ties

10.8.7 Check rotation of windrow roller (D)
- run combine
- ensure top of roller is rotating “out” of combine
- if rotating incorrectly, switch hoses on the motor (D1)

EU Applications Only:

10.8.8 Install Hyd Plug (G) into case drain line (G1) upon removal of case drain (H)



11 Tailboard and Actuated Control

If your combine is **NOT** equipped with OEM electric spreader actuators and you wish to have cab controlled actuated tailboards order Spreader Harness #**51530710 (G)** from CASE IH.

Cab control of actuated tailboards can be done with 30, 40, and 50 series AFX machines with the "new cab".

The "new cab" machines start with serial# YDG218540 and continue onwards.

Machines before YDG218540 cannot be equipped with cab mounted tailboard controls unless an SCUor tailboard control kit is equipped.

If your combine is **NOT** equipped with electric spreader actuators and you require manual tailboard control, order kit #**CG314K** from your local Redekop dealer

This will allow for external manual control of straw hood door by adding an external switch to the toolbox.

250/60 Series Only - Optional: Order:

Harness 90464581 INSTEAD OF 51530710

Harness 51483455

Harness 51462838

Switch 48044472

Bracket 51458059

Bolt 87681207 x1

Nut 87681210 x1

Decal 47893472

Switch 87603462

11.1 Gas Shock & Actuator Installataion

- for use with OEM console controls

Parts List:

part included in CS1130BS box

hardware located in CS672S bag

RP951A Gas Spring (**A**)

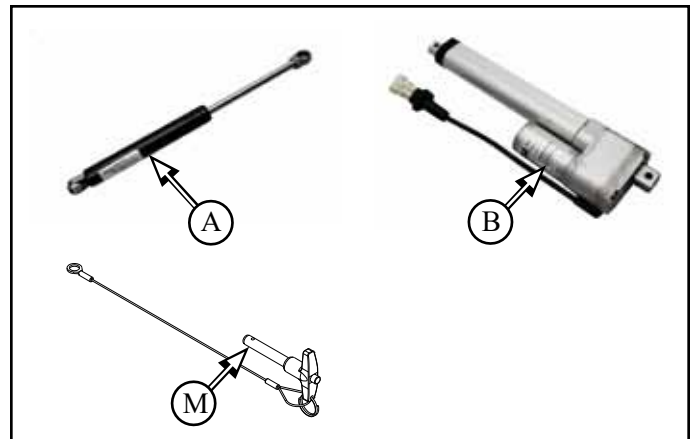
Qty 2

RP1058 Actuator (**B**)

Qty 2

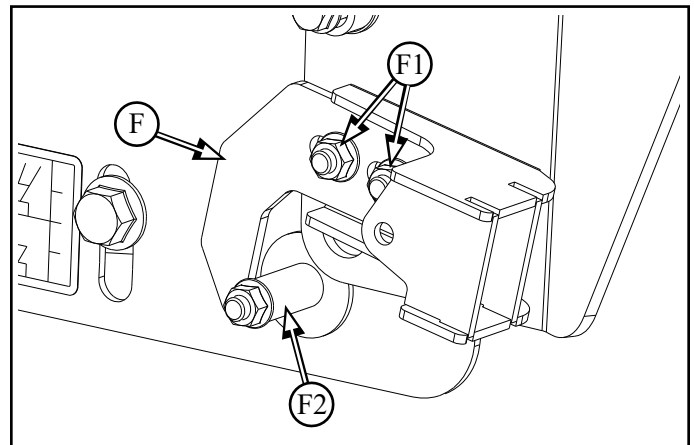
RP1810 Handle T Quick Release (**M**)

Qty 2



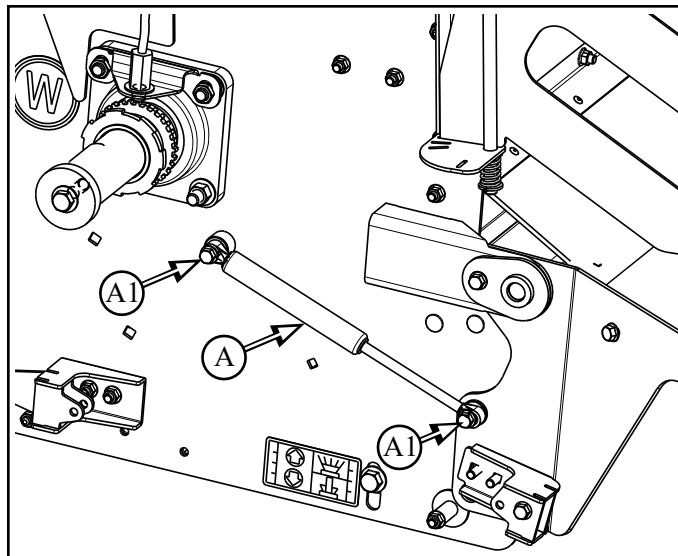
11.1.1 In order to position the tailboards, the installed hook (**F**) will have to be removed (**F1**) and then reattached with the tailboard in the horizontal position which will allow the hook to be on the front side of the stop pin (**F2**) as shown

- both sides



11.1.2 Install gas spring (**A**) on to chopper and tailboard studs, with:

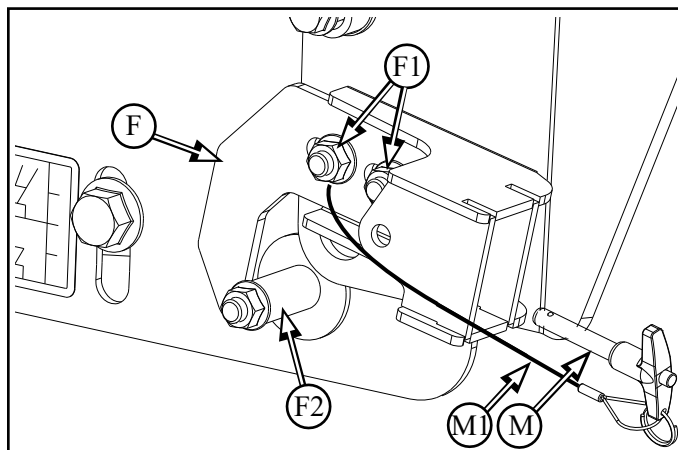
- M8 x 20 flange bolt (**A1**) x2
- both sides



11.1.3 Re-install hook (**F**) so that it is slid most rearwards (towards the tailboard fins)

11.1.4 Install lanyard (**M1**) of T handle (**M**) to front bolt (**F1**) of hook (**F**)

Note: Tailboard stop hook (**F**) can be adjusted later if tailboards do not line up



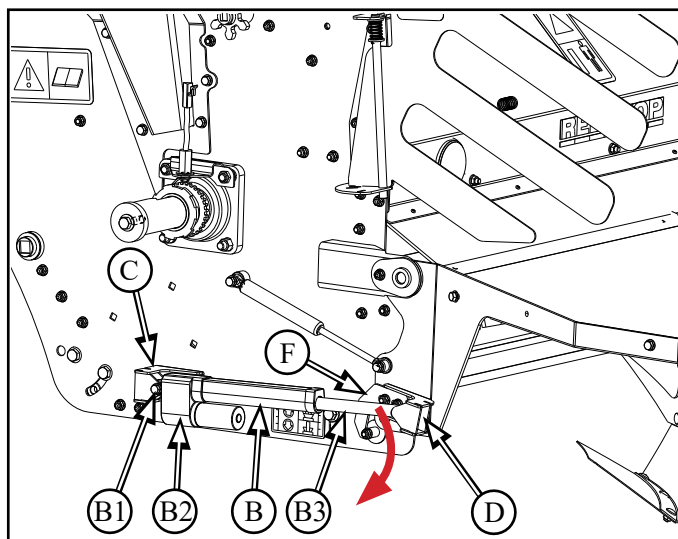
11.1.5 Install Actuator (**B**)



Install Actuators with the motor side down.

11.1.6 Install base (**B2**) of actuator (**B**) in to bracket (**C**) on chopper with:

- M8 x 40 flange bolt and lock nut (**B1**)
- do not tighten completely, leave bolt slightly loose to allow rotation
- let shaft end (**B3**) hang loosely
- both sides

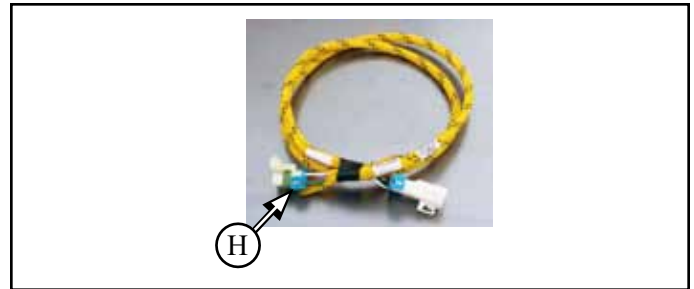


11.2 OEM Spreader Harness and Actuator Extension Harness Installataion

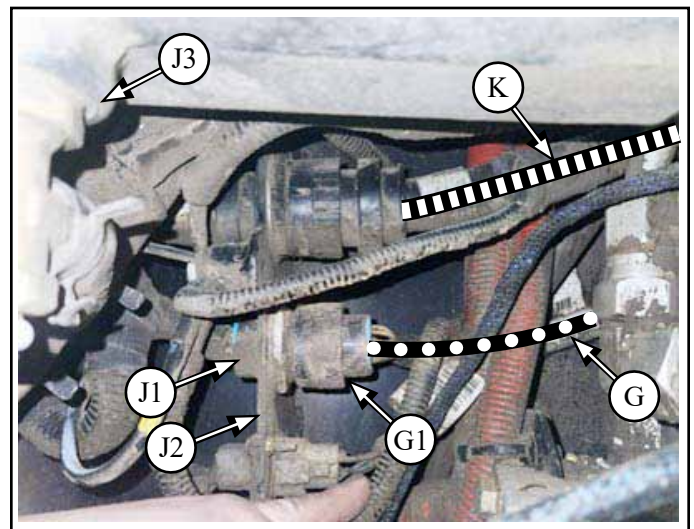
If your combine has electric spreader actuators and the OEM harness is installed, skip to section 11.3.4

Parts List:

	OEM Spreader Harness (G)	Qty 1
RP977	Harness Tailboard Actuator (H)	Qty 1

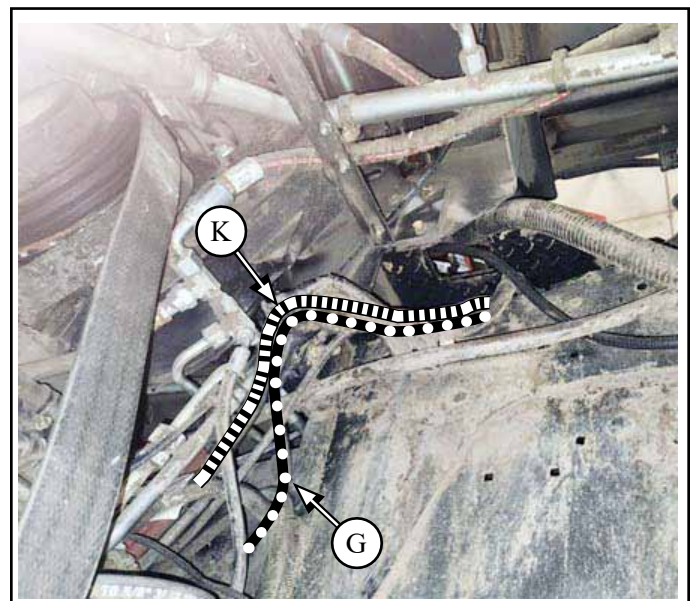


11.2.1 Install OEM spreader harness connector (**G1**) to mating circular connector (**J1**) of combine
- located on left side of combine on flange (**J2**) below PTO oil case sump (**J3**)

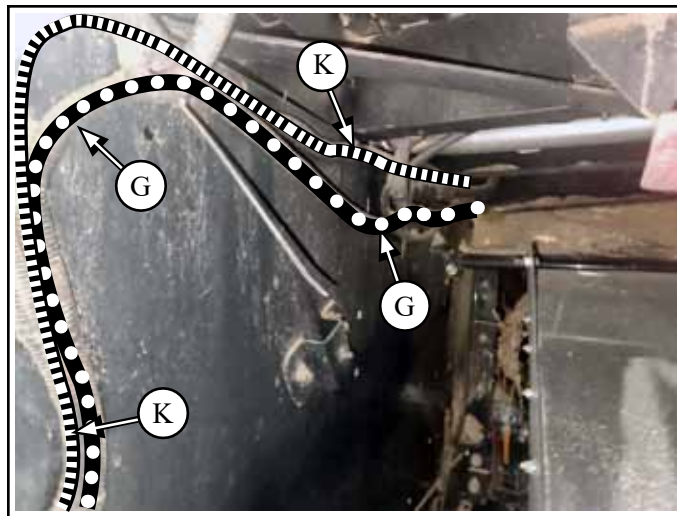


11.2.2 Route OEM spreader harness (**G**) up along the rear straw hood harness (**K**)
- located directly above the OEM spreader harness connector (**G1**)

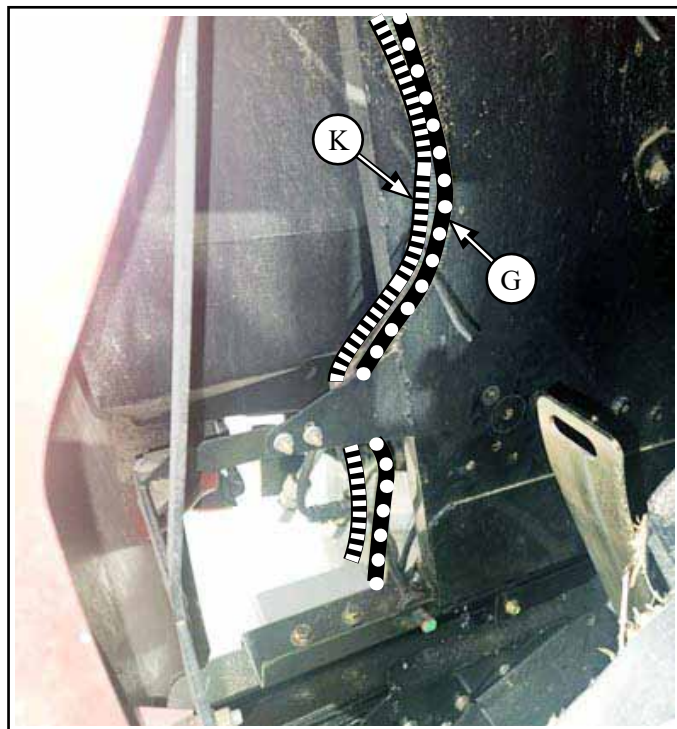
11.2.3 Run the OEM spreader harness (**G**) up and over the left side wall with straw hood harness (**K**)
- wire tie harnesses (**G & K**) together



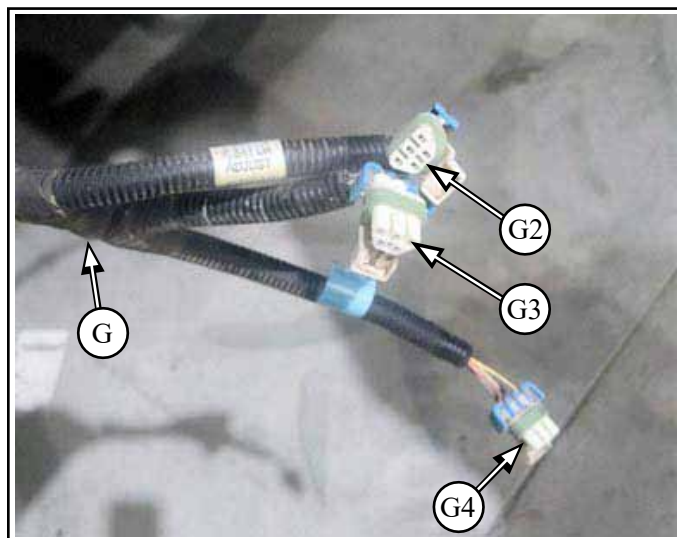
11.2.4 Continue running the OEM spreader harness (**G**) along straw hood harness (**K**) inside the left combine wall towards the rear of the combine and downwards
- wire tie harnesses (**G & K**) together



11.2.5 Continue running the OEM spreader harness (**G**) along straw hood harness (**K**) inside the left combine wall, let the 3 5-pin plugs hang down
- wire tie harnesses (**G & K**) together

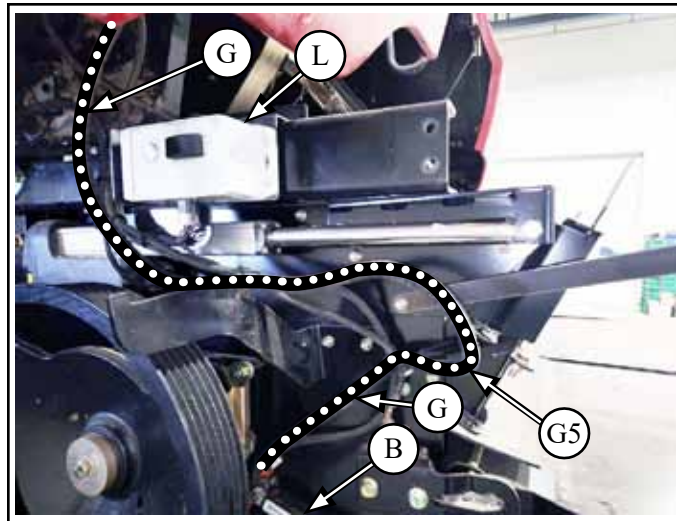


11.2.6 The OEM spreader harness (**G**) will have 3 5-pin plugs (**G2, G3, G4**)



11.2.7 Continue running the OEM spreader harness (**G**) along other harnesses along the left side of chopper - ensure that there is slack (**G5**) in the harness (**G**) between the control box (**L**) and rear of chopper to allow for chopper movement

11.2.7.1 Run the OEM spreader harness (**G**) down to the left tailboard actuator (**B**)

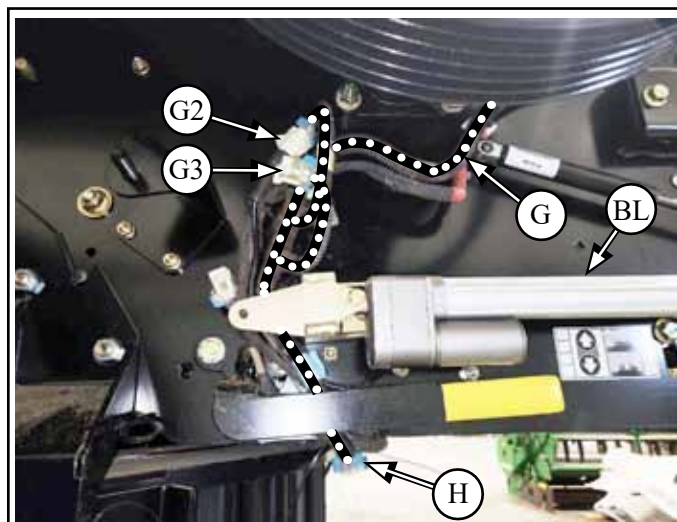


11.3 Attaching to Tailboard Actuators

11.3.1 The OEM spreader harness connector/label (**G2**) that says “LEFT” will be connected to the left tailboard actuator (**BL**)

11.3.2 The center OEM spreader harness connector/label (**G3**) that says “CENTER” will not be used

11.3.3 The OEM spreader harness connector/label (**G4**) that says “RIGHT” will be connected to the harness extension (**H**) connected to the right tailboard actuator (**BR**) in next step



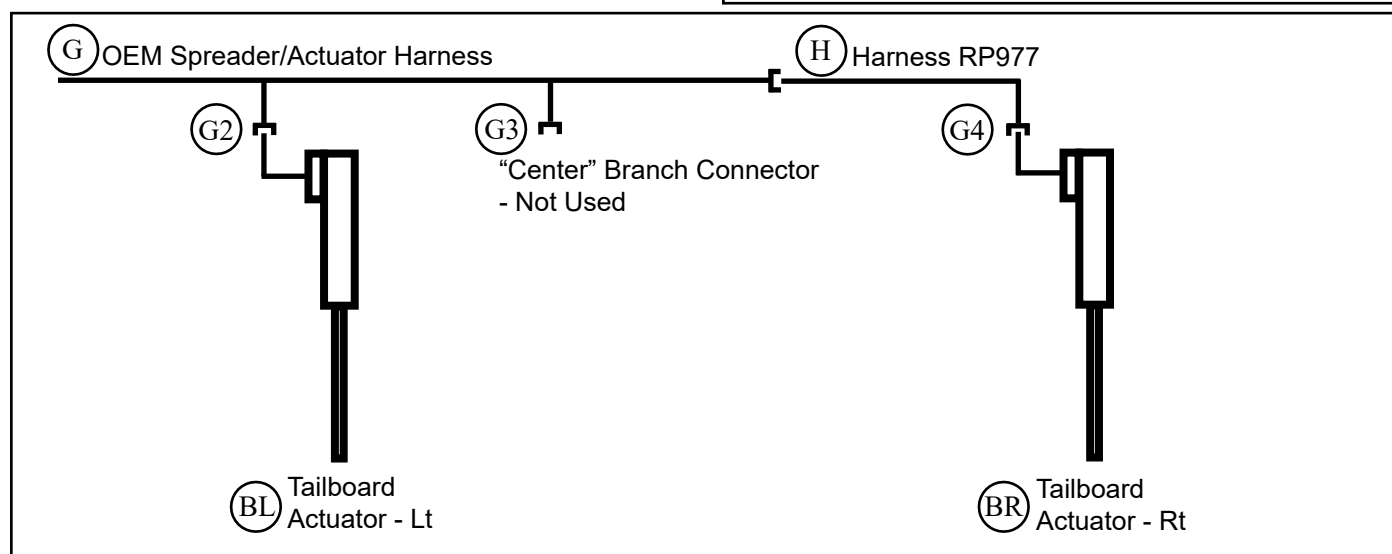
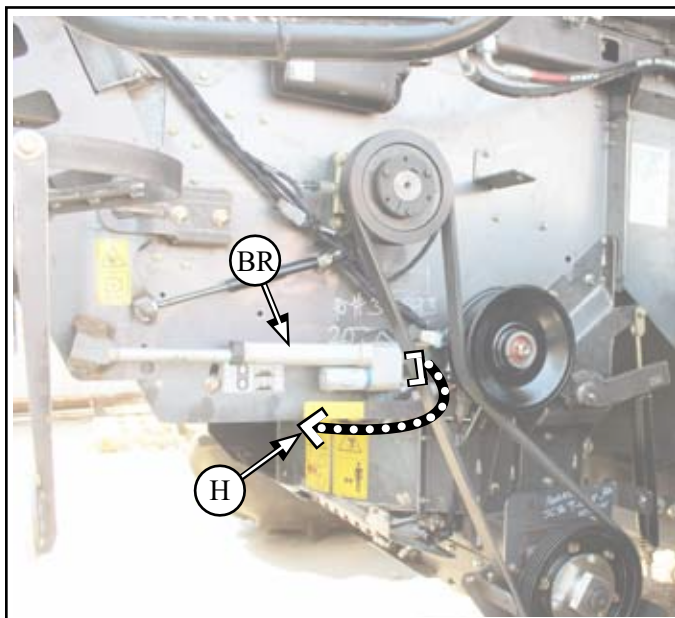
11.3.4 Tailboard Actuator Extension Harness

Installation

If SCU is being installed, reference SCU Installation Manual for harness installation as a different harness is used

11.3.4.1 Install Tailboard Actuator Extension Harness (H)

- connect harness (H) to right tailboard actuator (BR)
- route harness underneath chopper to right OEM connector (G4)
- ensure harness (H) is secured to the underside of the brace under the chopper with cable tie straps so it is shielded from chopper debris



11.3.5 On cab console, remove covers on blank buttons (ML) and (MR)

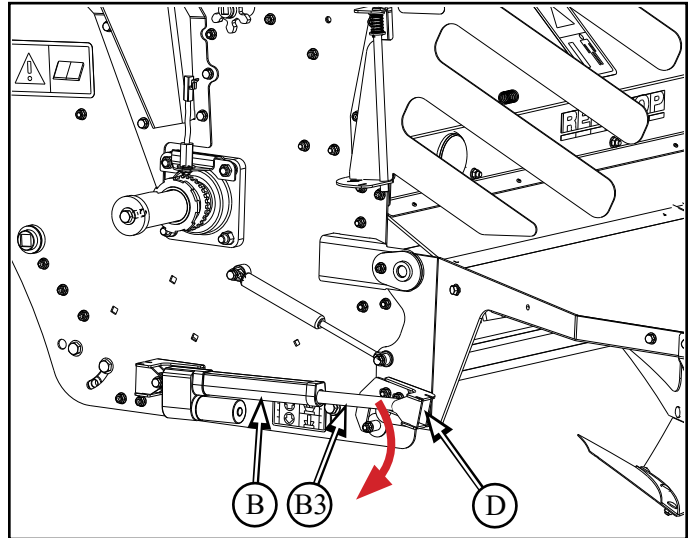
- The RH and LH spreader adjust buttons are already installed and will now work to adjust tailboard position once calibration is performed as described in the next section



11.4 Actuated Tailboard Calibration

11.4.1 Calibration of tailboard actuators is required to complete installation of tailboards. If an OEM actuator harness is being installed for the first time, or if the tailboard actuators cannot be moved using the OEM console buttons then steps 11.4.1-4 must be performed. If the tailboard actuators can be controlled using the OEM console buttons skip steps 11.4.1-5 and proceed to step 11.4.6

11.4.2 Ensure that the shaft end (**B3**) of tailboard actuator (**B**) is not in bracket (**D**) on tailboards, let it hang loosely downwards
- both sides



11.4.3 Follow instructions laid out in section 18.1 to ensure the machine is properly configured for OEM console button control of tailboard actuators

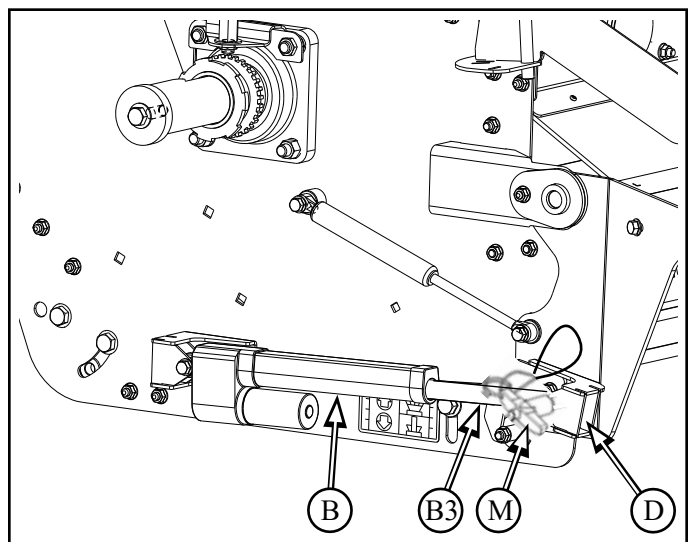
11.4.3.1 If you have installed the OEM harness, ensure covers on console buttons are removed as described in section 11.3.5

11.4.4 Follow instructions laid out in section 18.3 to calibrate tailboard actuators

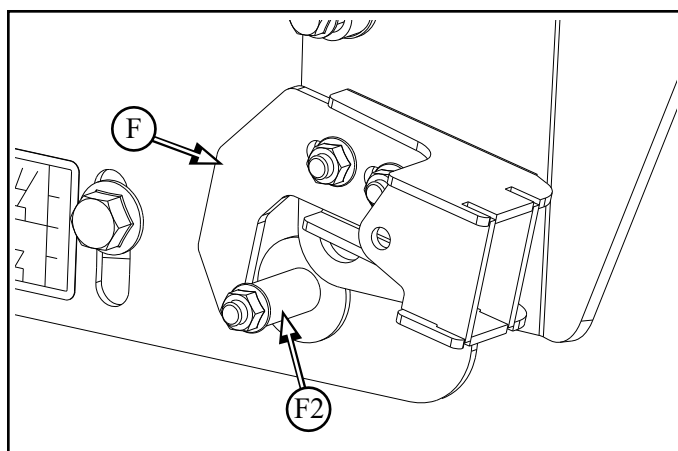
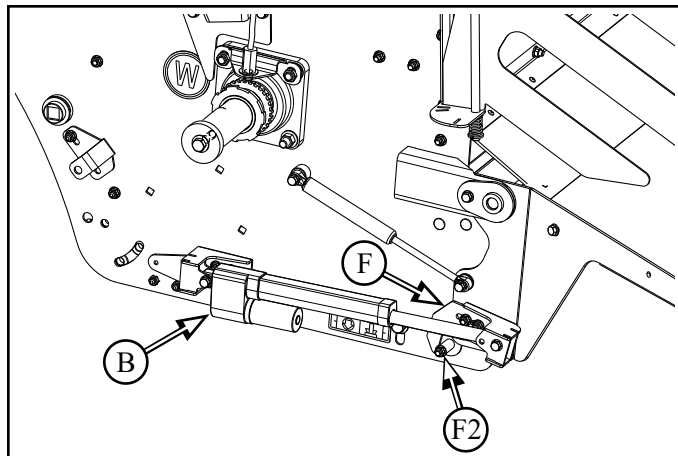
11.4.5 Fully extend actuators to synchronize

11.4.6 Retract both actuators half way so that tailboards can be attached

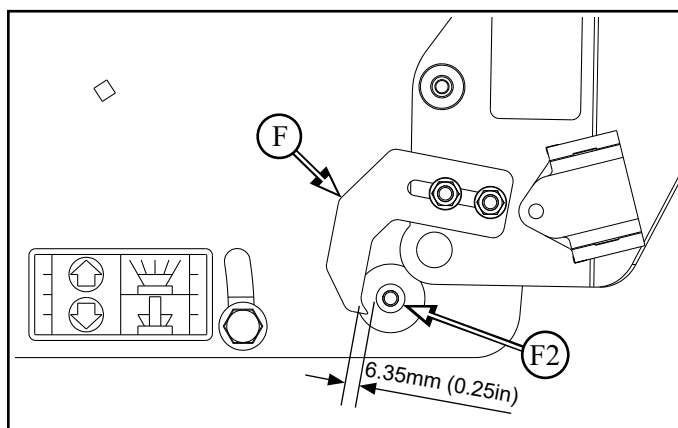
11.4.7 Attach tailboard actuator shaft end (**B3**) to bracket (**D**) on tailboards, with:
- T Handle (**M**)
- both sides



11.4.8 Once the tailboard actuators have been attached to the tailboards, extend the actuators fully so that that tailboards are in the most upwards position
- Left and right position hook (**F**) should be hard against stop pins (**F2**)



11.4.9 With the tailboard in the fully up position, adjust tailboard hook (**F**) so that there is a gap between the hook (**F**) and the stop pin (**F2**), approximately 6.35mm (0.25in)
- both sides



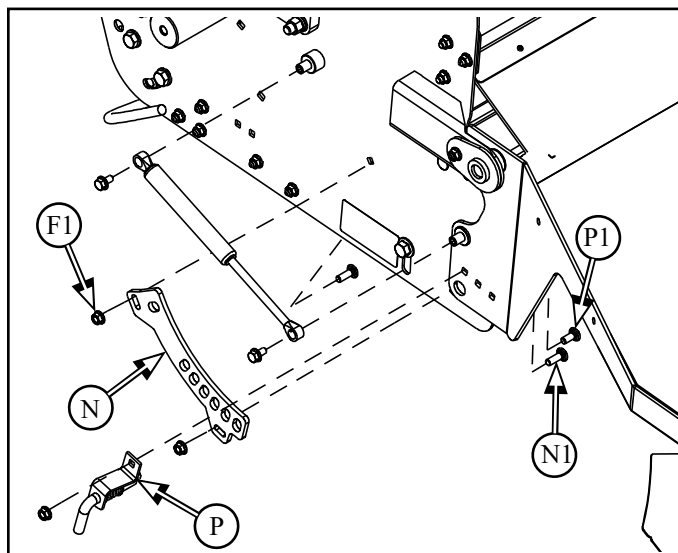
11.5 Tailboard Manual Control

11.5.1 If your combine is **NOT** equipped with electric actuators and you require a mechanical control, order kit **#CG314K** from Redekop

11.5.2 Remove electric actuator mount brackets and tailboard lug stop (**D**, **F** & **F2**) from chopper housing
- both sides

11.5.2 Install tailboard adjustment lug CG314B (**N**) to side of chopper with:
- M8 x 25 round head bolt and flange nut (**F1**) x2
- both sides

11.5.3 Install tailboard adjustable latch assembly CG112BA (**P**) to tailboard with:
- M8 x 20 round head bolt and flange nut (**P1**)
- head of bolt on inside of tailboard
- both sides



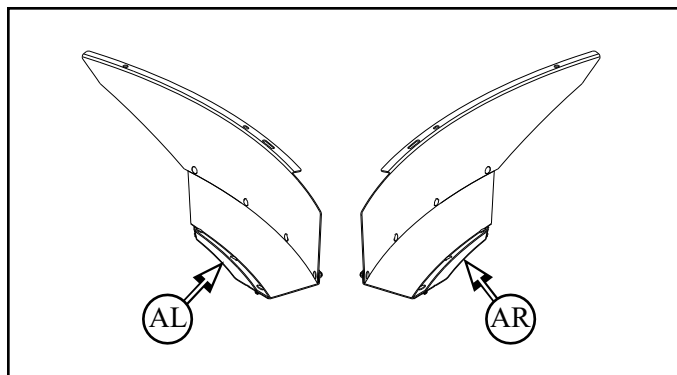
11.6 Wide Spread Scooped Fin Installation

If a SCU is being installed, these fins are not required, refer to SCU installation manual for SCU fin installation

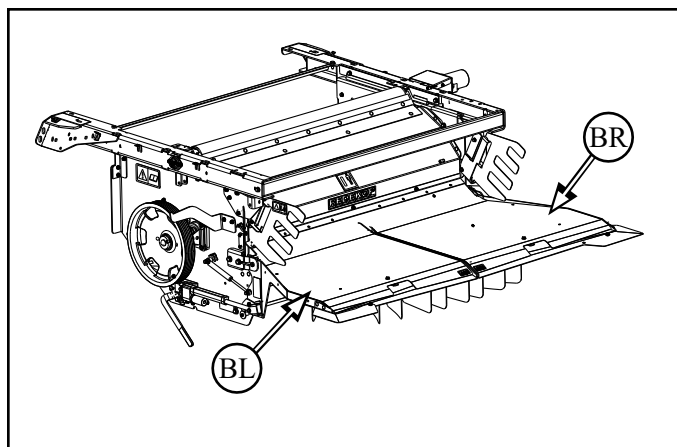
Parts List:

part included in CS1197BS box
hardware located in CS237S bag

CG237BAL	Wide Spread Scooped Fin Lt (AL)	Qty 1
CG237BAR	Wide Spread Scooped Fin Rt (AR)	Qty 1

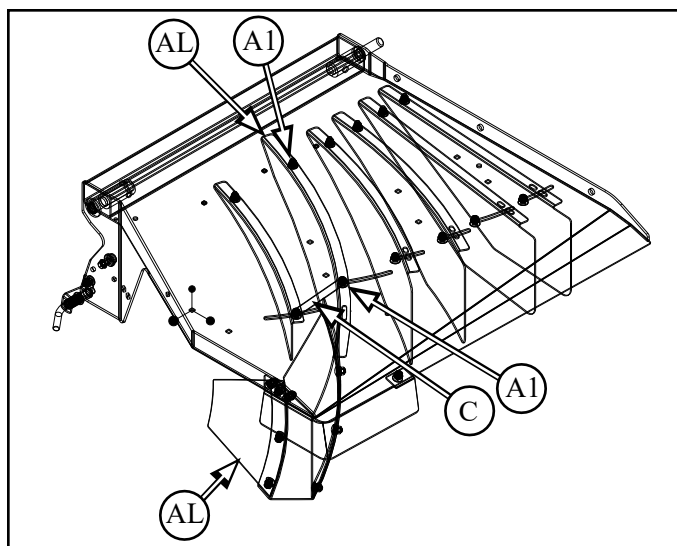


11.6.1 Remove tailboard top cover plates (**BL & BR**) - to be reinstalled



11.6.2 Install left wide spread scooped fin (**AL**) to underside of left tailboard, with: - M8 x 16 round head bolt and flange nut (**A1**) x2

11.6.3 Attach connector link (**C**) to the scoop fin assembly (**AL**) and curved fin (**B**) on the top side of the tailboard



Note: For the scooped fin to work properly, the small fin must be set in position relative to the scooped fin with the connector link.

11.6.4 Repeat for right side

11.6.5 Reinstall top cover plates (**BL & BR**)

11.7 Tailboard Guard Installation

Parts List:

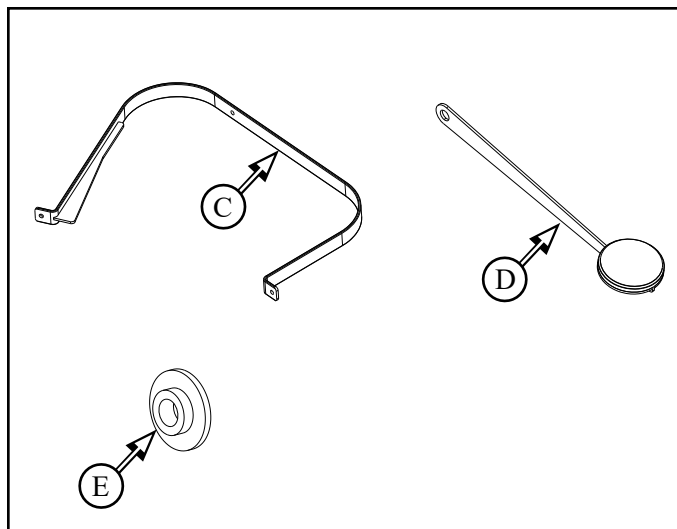
part included in CS1130BS box
hardware located in CS672S bag

CS171B Tailboard Guard (C)
CS990BA Reflector Bracket (D)
CS991Z Spacer Reflector (E)

Qty 2

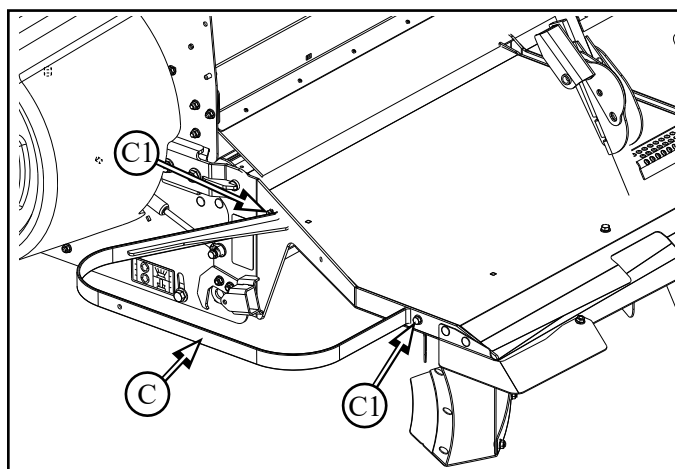
Qty 2

Qty 2



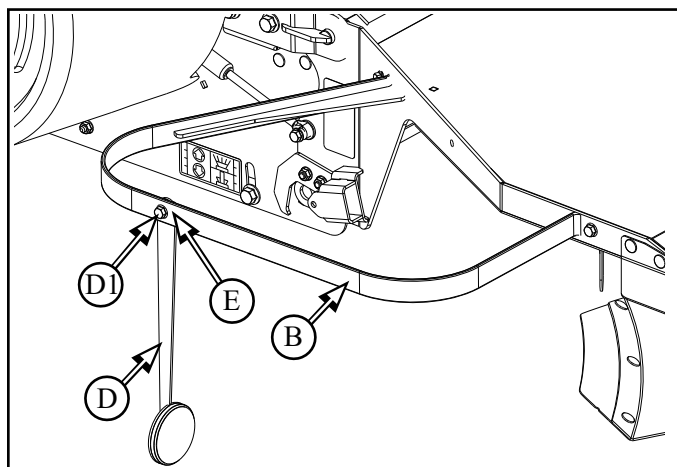
11.7.1 Install tailboard guard (C) to side of tailboard, with:

- M8 x 20 flange bolt and flange nut (C1) x2
- both sides



11.7.2 Install tailboard hanging bracket reflector (D) to tailboard guard (B), with:

- M8 x 25 flange bolt, spacer bushing (E) and flange nut (D1)
- both sides



11.8 Windrow Fin Installation

- required for windrowing

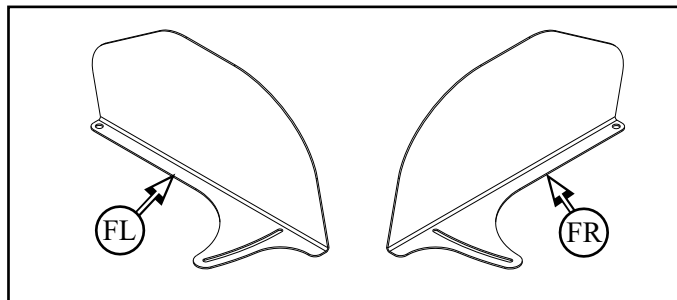
Parts List:

CS1053BL Windrow Fin Lt (**FL**)

Qty 1

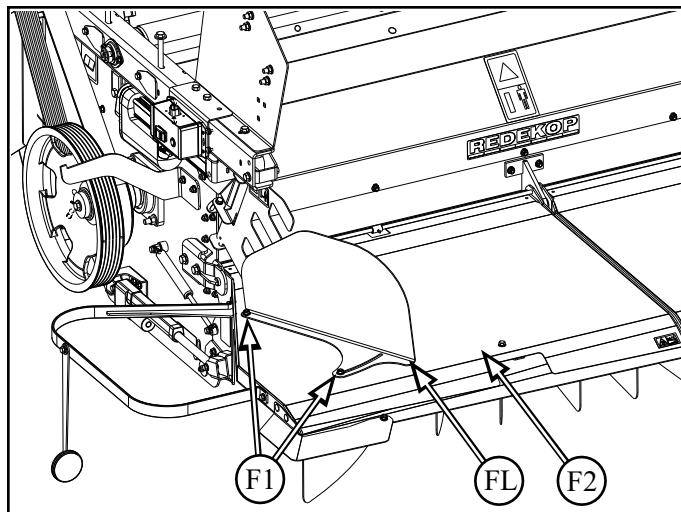
CS1053BR Windrow Fin Rt (**FR**)

Qty 1



11.8.1 Install windrow fin (**FL**) onto left tailboard cover panel (**F2**), with:

- M8 x 16 round head bolt and flange nut (**F1**) x2
- punch out knockout holes (**F1**) in panel (**F2**)
- repeat for right side

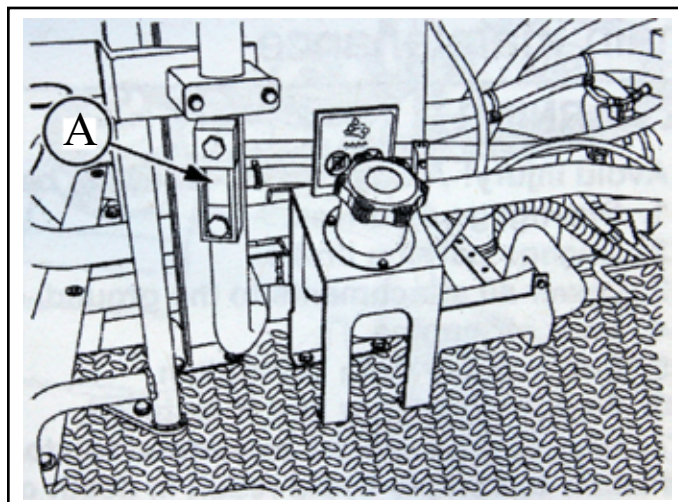


12 Hydraulic Oil Level



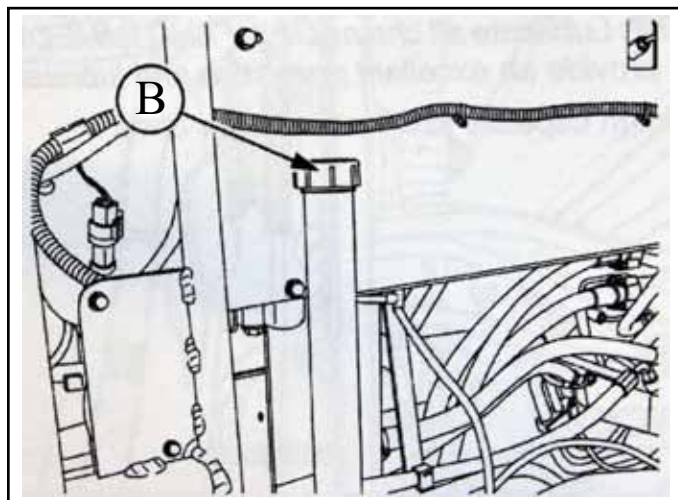
12.1 Check the hydraulic oil level before starting and moving the combine.

Oil level can be checked through the sight glass (A) located on the top rear deck. The oil level should at a minimum reach the bottom of the sight glass.



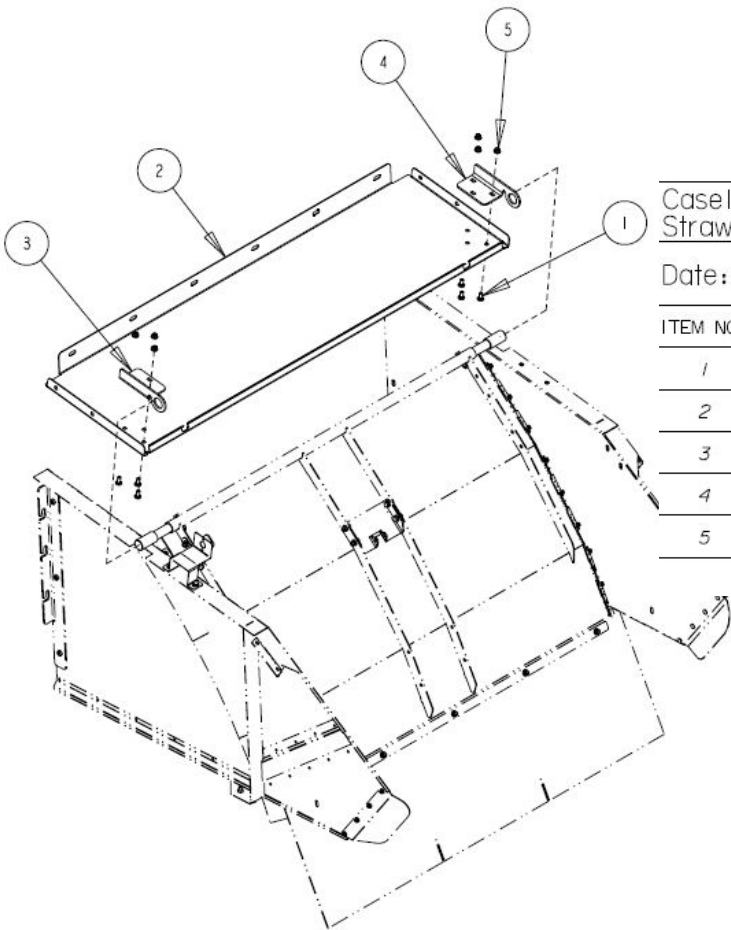
12.1.2 If necessary, add oil through filler opening (B)

Reference combine operator's manual for exact instructions



13 Case AFX 20S Roof Upgrade

13.1 If you have a 20 Series combine and you require a Roof Upgrade, order kit #CS961K from Redekop



CaseIH 9120 Series MAV Chopper Straw Hood Roof Upgrade Components			
Date:24JAN2017		Serial No Range From: RM25015	
ITEM NO.	PART NO.	DESCRIPTION	QTY
1	B31M-0820	BOLT RH M8x20 C8.8 YZD ISO8678 Short Neck	6
2	CS961B	HOOD 20S AFX UPGRADE	1
3	CS978BL	PANEL SUPPORT BRACKET LT	1
4	CS978BR	PANEL SUPPORT BRACKET RT	1
5	N21M-08	NUT FLG M8 C8 YZD Iso4161	6

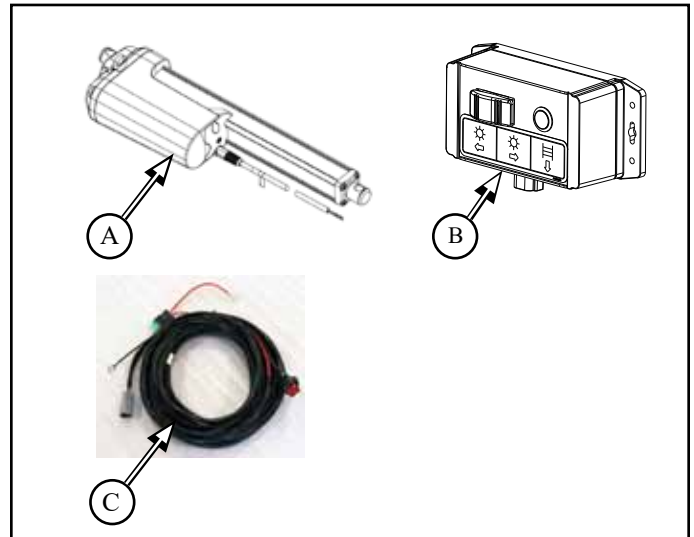
14 Chopper Actuator Installation

If SCU is being installed, reference SCU Installation Manual for electrical installation

Parts List:

parts located in CS1137BS and SC490BS boxes
hardware located in CS1154S and SC491S bags

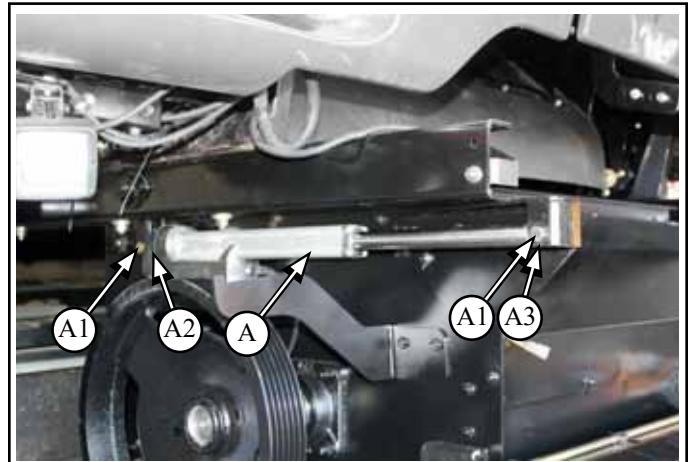
RP827	Actuator (A)	Qty 2
RP1217A	Switchbox (B)	Qty 1
RP1216	Slider Actuator Harness (C)	Qty 1



14.1 Chopper Actuator Installation

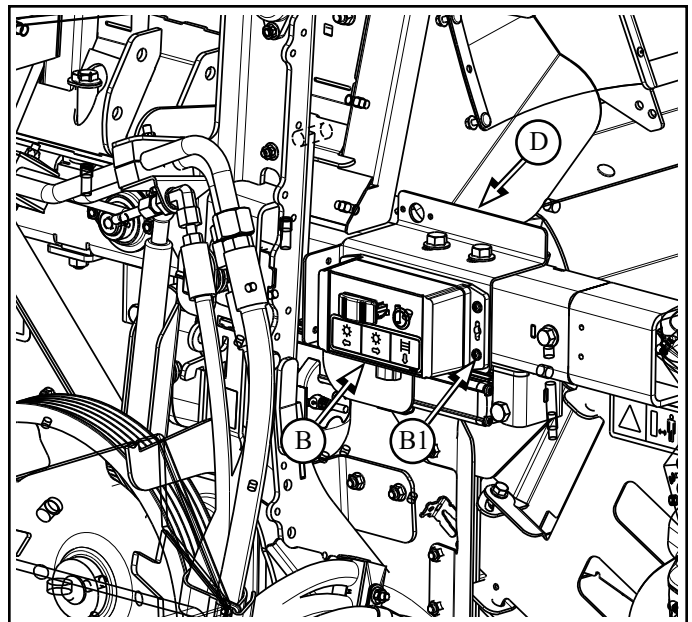
14.1.1 Install actuator (A) to chopper interface and chopper with:

- M12 x 60 flange head bolt and flange nut (A1) x2
- ensure base of actuator (A2) is mounted on the interface and head (A3) is mounted on the chopper
- both sides



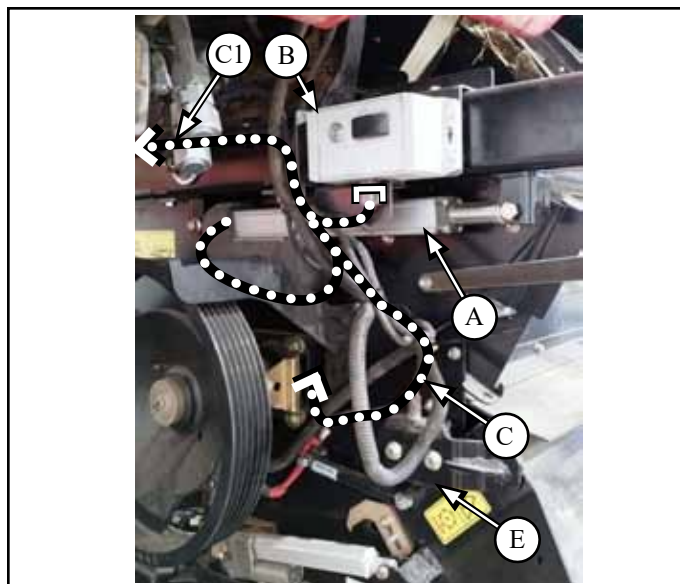
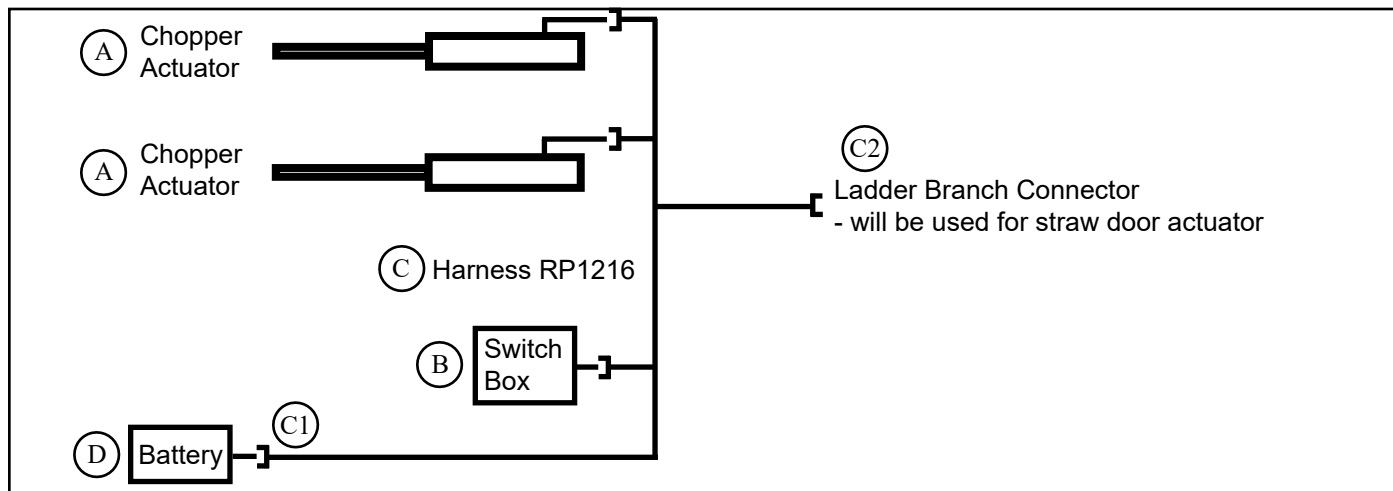
14.1.2 Install switch box (B) to mounting plate (D) to plate below left corner panel with:

- #8-32 X .75 screw and locknut (B1) x4

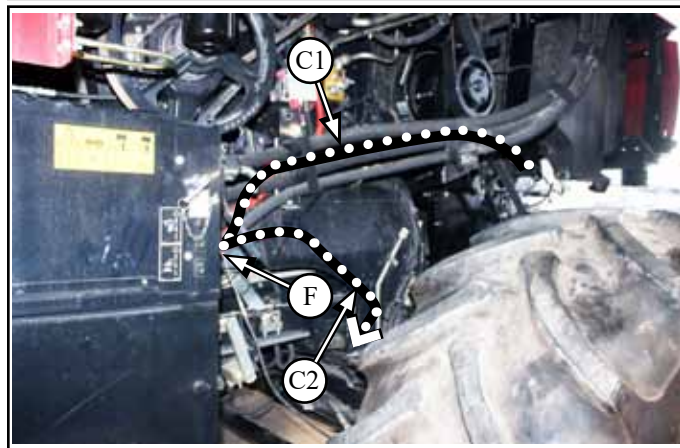


14.1.3 Install Chopper Actuator Harness (C)

- connect harness (C) to switch box (B)
- route harness as shown from switch box (B) to left chopper actuator (A)
- continue routing harness below chopper (E) to right chopper actuator (A)
- route "power lines" (C1) along left side of combine to the battery (F)
- branch (C2) for ladder will be used for straw door actuator
- use cable tie straps (G) to secure harness to existing brackets, harness or hydraulic lines running along side of combine
- ensure there is adequate length in harness to allow the chopper to move



14.4 Connect "power lines" (C1) to battery (F) terminals

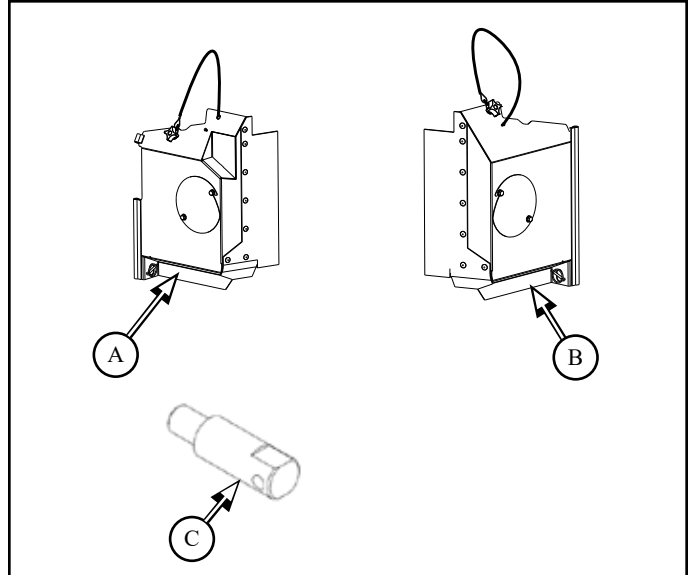


15 Vent Installation

Parts List:

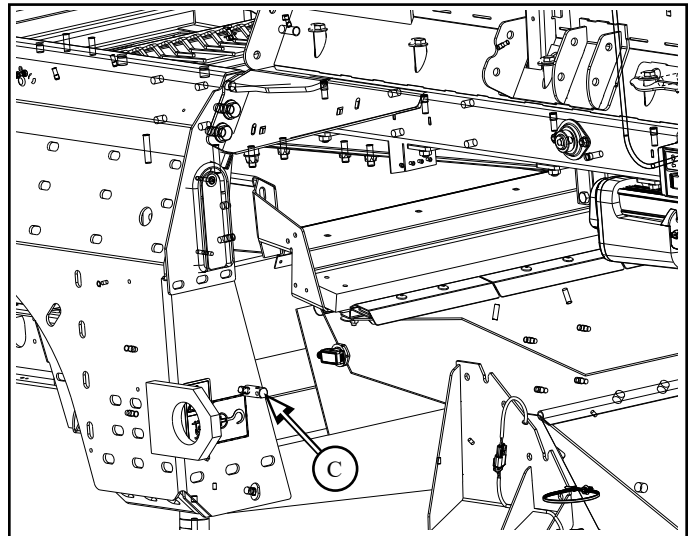
parts located on pallet and CS1130BS box / CS672S bag

CS1184BAL Vent Left (A)	Qty 1
CS1184BAR Vent Right (B)	Qty 1
CS1035Z Vent Mount Pin (C)	Qty 2

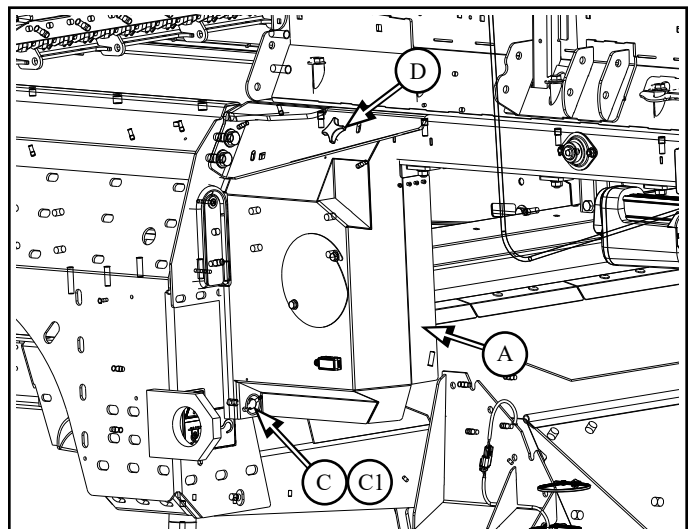


15.1 Vent Installation

15.1.1 Thread in vent mount pin (C) into combine frame - both sides



15.1.2 Install left and right vents (A & B) - slide over pin (C) and secure in place with lynch pin (C1) and knob (D) through existing hole in plate



16 Drive Shield Installation

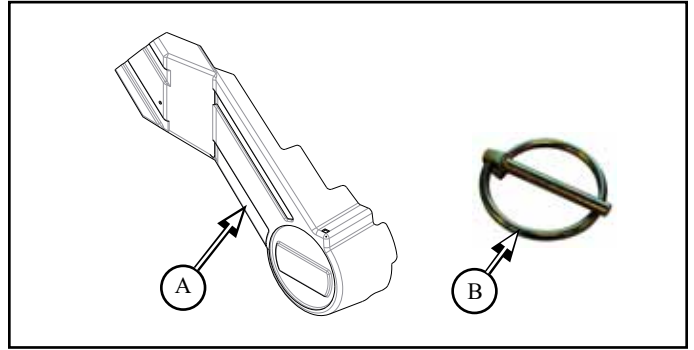
Parts List:

RP1172A Drive Shield AFX (**A**)

Qty 1

RP1105 Lynch Pin (**B**)

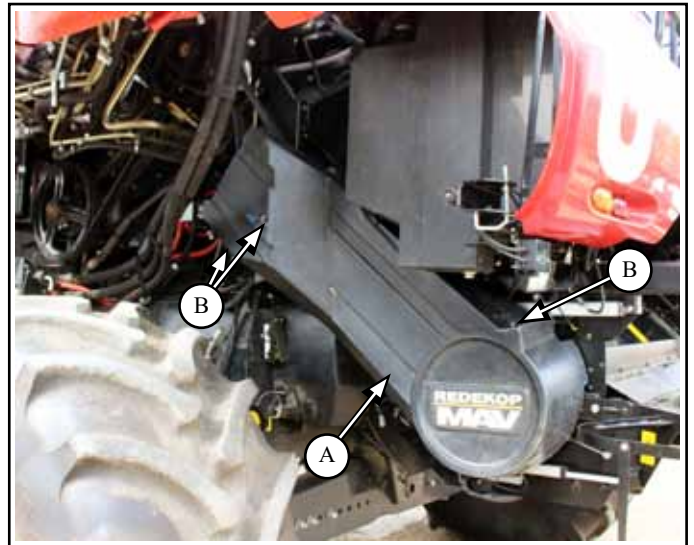
Qty 3



16.1 Drive Shield Installation

16.1.1 Install drive shield (**A**) over pins on mounting brackets

- secure in place with lynch pin (**B**) x3

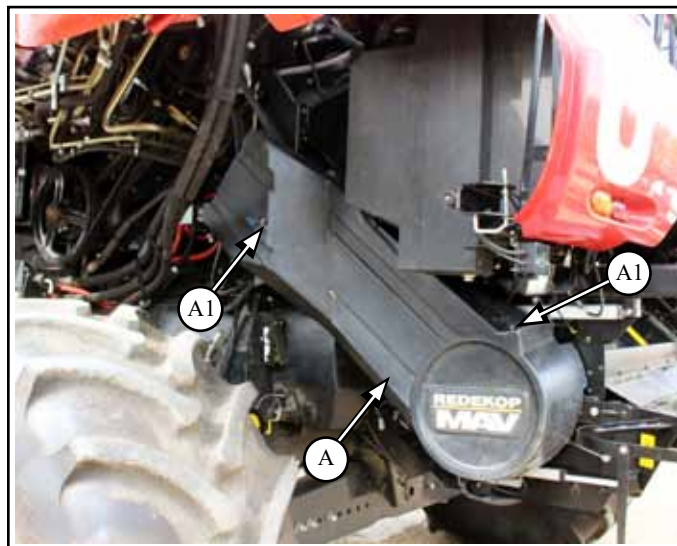


17 Access to Sieves

17.1 Access to Sieves

17.1.1 Remove drive belt shield (A)

- remove pins (A1) x2

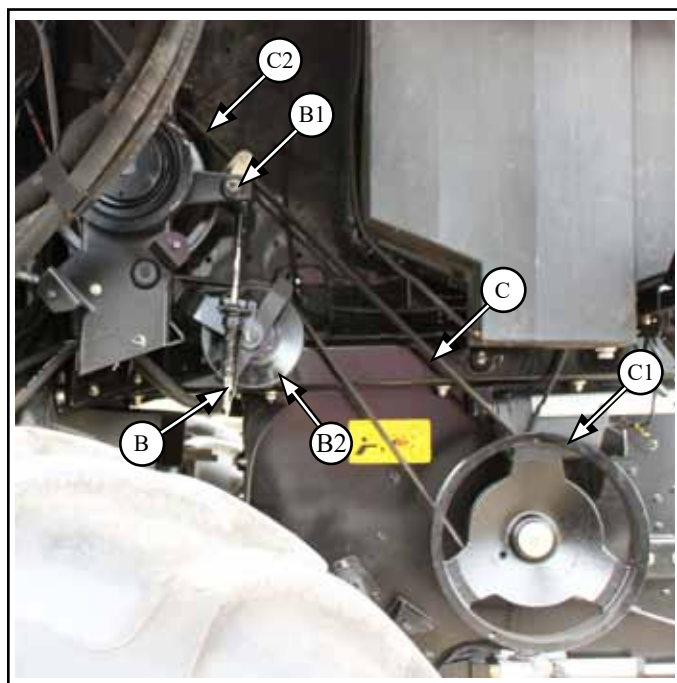


17.1.2 Disengage idler tension arm (B)

- rotate pin (B1) to drop belt tensioner (B2)

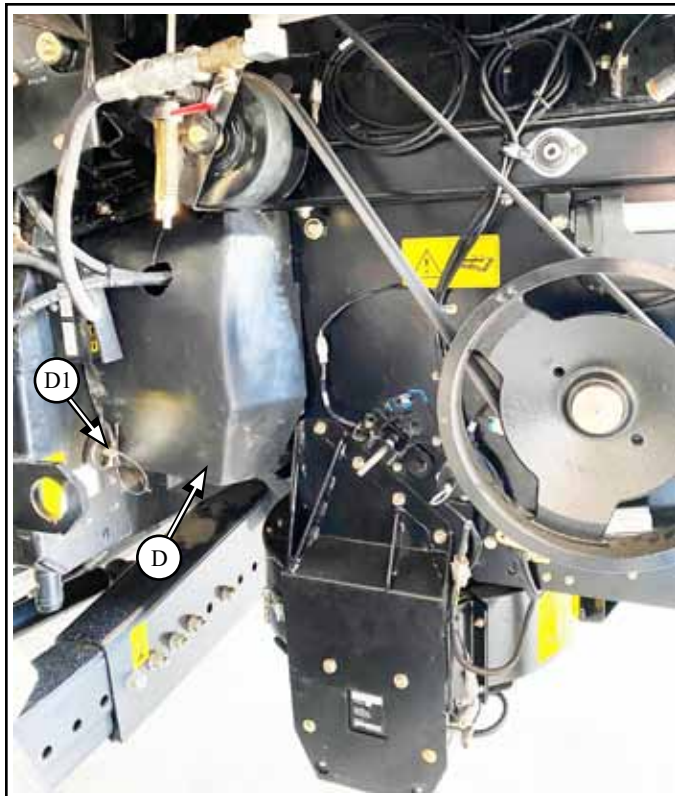
17.1.2.1 Move belt (C) off of bottom sheave (C1)

17.1.2.2 Move belt (C) off of top inner Jackshaft sheave (C2)



17.1.3 Remove vent covers (D)

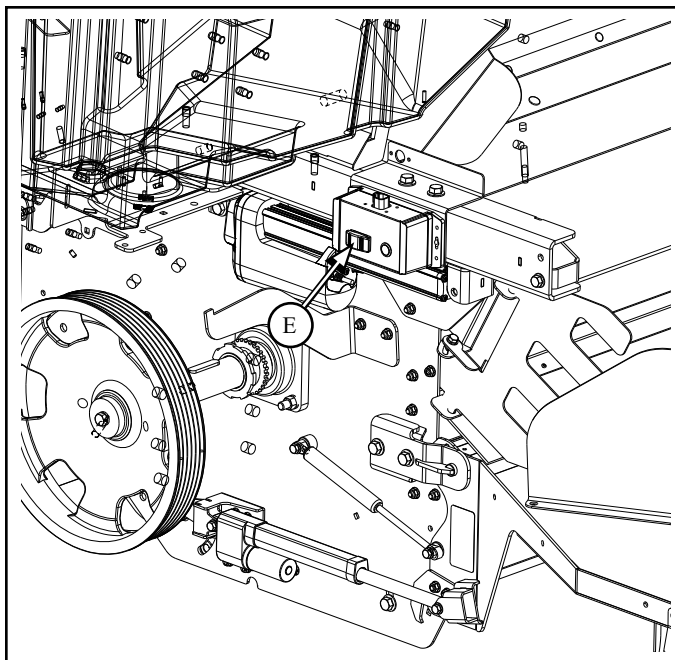
- remove pin (D1)
- both sides



17.1.4 Toggle switch (E) to activate actuators until chopper has moved all the way back



Do Not Operate Straw Chopper Fore and Aft Switch without removing Shields and Belt first. Damage will occur!



18 Software Update

30 and 40 Series

18.1 Verify software is up to date

Use the 240-Series Electronic Service Tool (EST) to set the new configurations if required.
(after the S/N break below)

The new cab machines start at S/N YDG218540

Software update required is: UCM1 - V33.33.0.0 or newer, UCM2 - V33.34.0.0 or newer (for S/N above and newer) as well as Display Software (Part # 48109497 Combine Axial Flow) V30.8.0.0 or newer

Machines <YDG218540 do not get software update and would require the spreader/chopper speed sensor placed on the 7-tooth target.

18.1.2 Check Redisue System

Under Toolbox --> Residue tab, if system is currently configured with the settings described in 18.1.4, no EST is required, go to section 18.2

18.1.3 If required, have a technician use the EST to change the Machine Configuration for values listed in 18.1.4

18.1.4 Set configuration to:

Configuration Name	Type ID	Value
Residue System Windrow*	0x209C	Impeller with 32cc Pump & 90cc Motor In-CAB Adjust
Residue System Non Windrow*	0x209C	None
Windrow Door	0x20A1	1 (installed)
Left Spread Deflector	0x2112	1 (installed)
Center Spread Deflector	0x2113	0 (not installed)
Right Spread Deflector	0x2114	1 (installed)
Hood Mount Chopper	0x2111	1 (installed)
Windrow Chute Extension	0x20A4	0 (not installed)

← Updatable with Electronic Service Tool (EST)

*For MY14 and newer machines with existing 90cc spreader motor and 32cc pump with in cab adjust, Value = 6

*For MY13 UCM machines with existing 74cc spreader motor and 28cc pump, Value = 3

*Note - Installing a Windrow Chopper on a Combine with a Beater; will require an OEM Speed Sensor and Bracket to be installed. This is required to calibrate the Straw Door Actuator

50 Series

18.2 Procedure to configure in cab parameters for Redekop Chopper on AFX machines



18.2.1 Select Toolbox icon (A)



18.2.1.1 Select residue tab (B)



18.2.2 Select in Cab Chopper Speed (C)



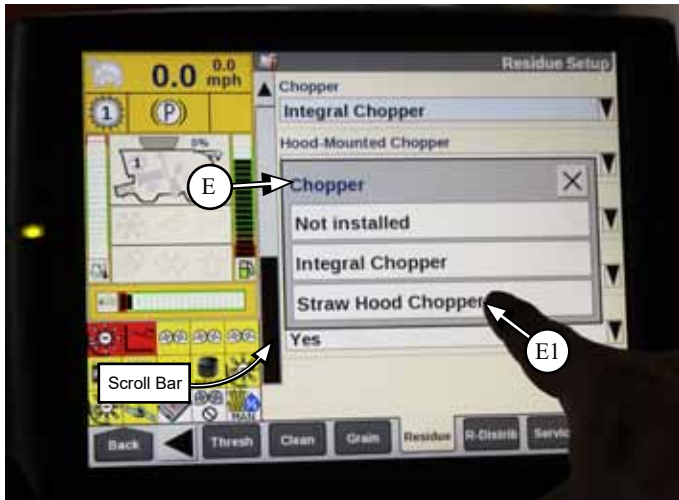
18.2.2.1 Select No (C1)



18.2.3 Select in Cab Windrow Door (D)



18.2.3.1 Select Yes (D1)



18.2.4 Scroll down the page and select Chopper (E)

18.2.4.1 Select Straw Hood Chopper (E1)



18.2.5 Scroll down the page and select Hood Mounted Chopper (F)

18.2.5.1 Select Yes (F1)



18.2.6 Scroll down the page and select Center Spread Deflector (G)

18.2.6.1 Select No (G1)

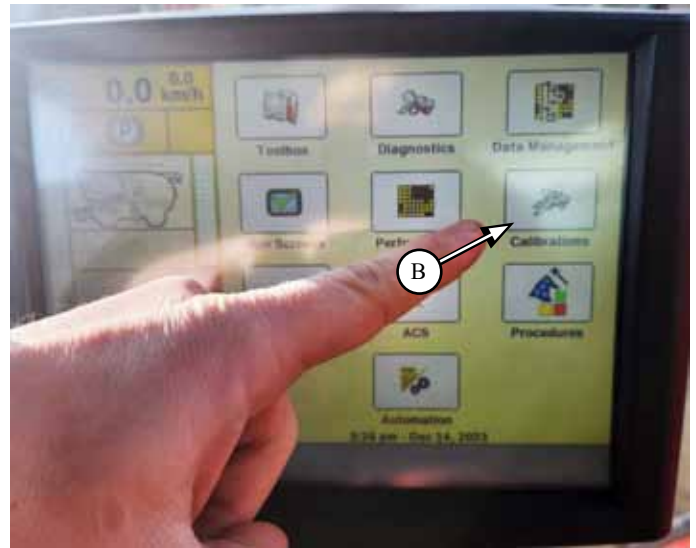
18.2.7 Ensure left and right spread deflectors are set to YES

18.3 Calibrate Actuators

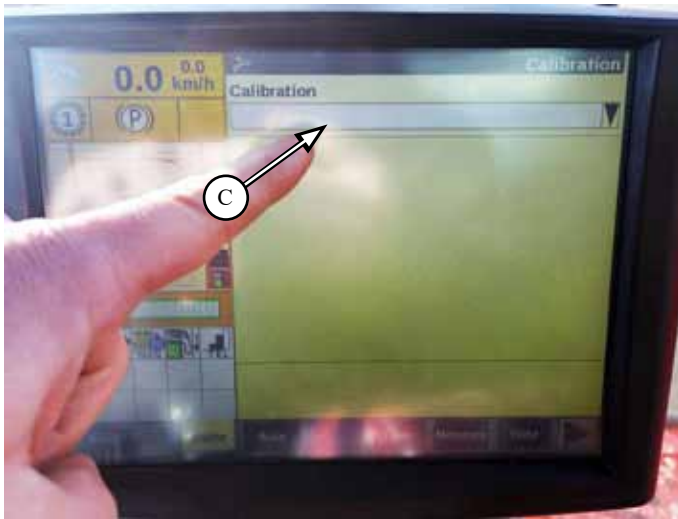
18.3.1 Procedure to calibrate tailboard and windrow door actuators for use with OEM console spreader controls



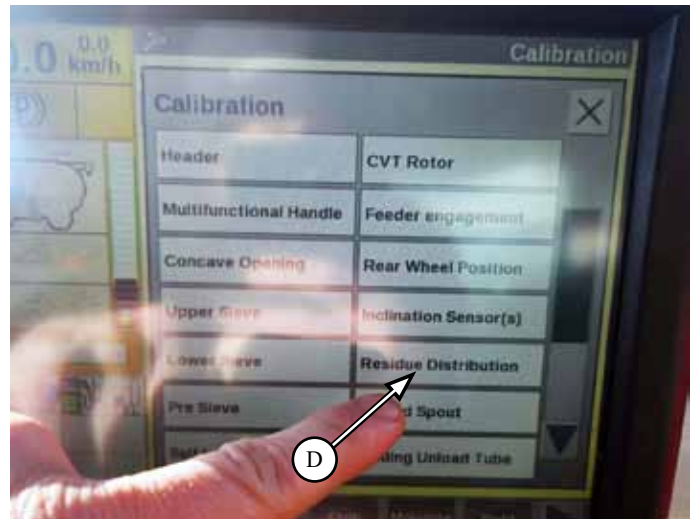
18.3.1.1 go to console Home Screen (A)



18.3.1.2 Select Calibration (A)



18.3.1.3 Select drop down menu (A)

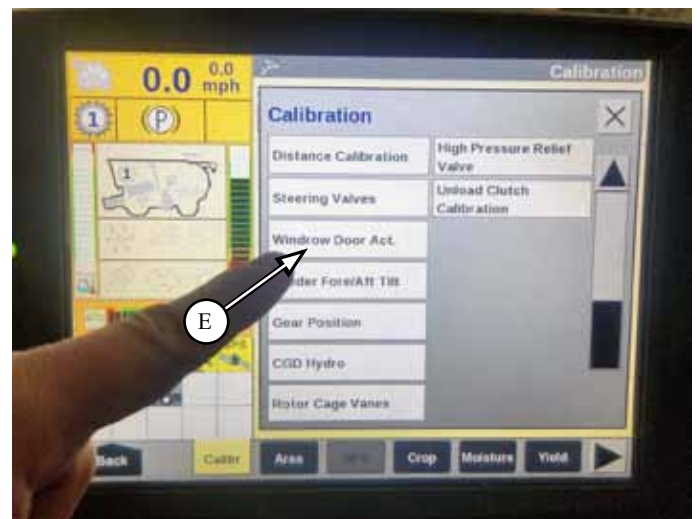
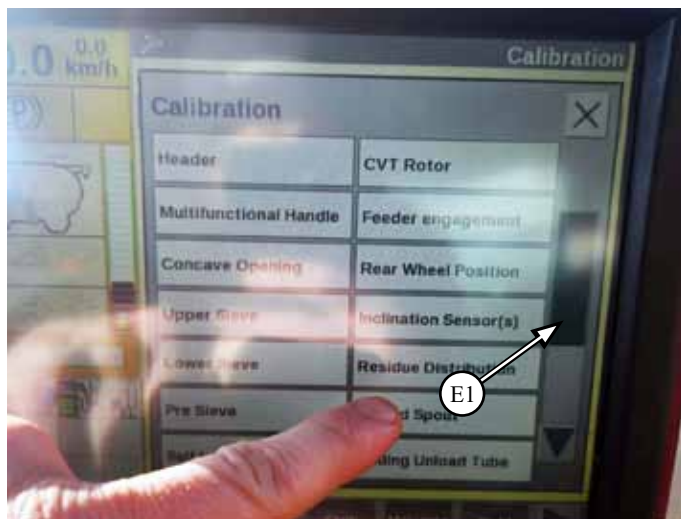


18.3.1.4 Scroll down the list and select Residue Distribution (A)

18.3.1.5 Machine should perform tailboard actuator calibration

Left and right actuator can be moved up and down using the controls on the console

18.3.2 To calibrate to windrow door actuator



18.3.2.1 In the calibration screen, scroll down the list (**E1**) **18.3.2.2** Select Windrow Door Act. (**E**)

18.3.2.3 Straw door can now be moved using the console button

18.4 Add Chop-to-Swath Button

Procedure to add Chop-to-Swath button on AFX Monitor run screen



18.5.1 Select Toolbox icon (A)



18.5.2 Select Layout tab (B)



18.5.3 Select Chop-to-Swath (C)



18.5.4 Select Door Position (C1)



CAUTION

Ensure that the Hydraulic Fittings have been tightened



CAUTION

CHECK HYDRAULIC FITTINGS FOR LEAKS



WARNING

HYDRAULIC LINES MAY BE UNDER PRESSURE

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.



CAUTION

DO NOT RUN THE COMBINE WITHOUT HYDRAULIC OIL



CAUTION

Wear Hearing Protection during operation



CAUTION

Check all fasteners to ensure they have been properly tightened



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.

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)



WARRANTY CARD

Please send this warranty card in to Redekop Manufacturing
Fill in when the Straw Chopper has been fully installed and the following items have been checked

Email to: warranty@redekopmfg.com

or

Fax to: +1-306-933-1088

Selling Dealer Name and Location: _____

Customer Name: _____

Address: _____

Country: _____

Telephone #: _____

Email: _____

.....
Combine Model # _____ Hour Meter Reading _____

Combine Serial # _____

Strawchopper Serial # _____

Jackshaft Serial # _____

.....
Date Strawchopper installed: _____

Strawchopper installed by: _____ Print: _____

Knifebar Engagement Limiting Bracket installed (ref 10.9): _____

4 Belt Tensioners set to spring indicator (ref 10.5): _____

Strawchopper Rotor has been rotated manually to ensure clearances: _____

Strawchopper Blades clear with the knifebar: _____

Fan Blades clear rotating through the shroud : _____

Software has been updated: _____

Combine has been run with the threshing module in low speed and then progressed to full power when everything is running smoothly at lower speeds? _____

Are there any knocking noises? _____

Comments: _____

Notes:

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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