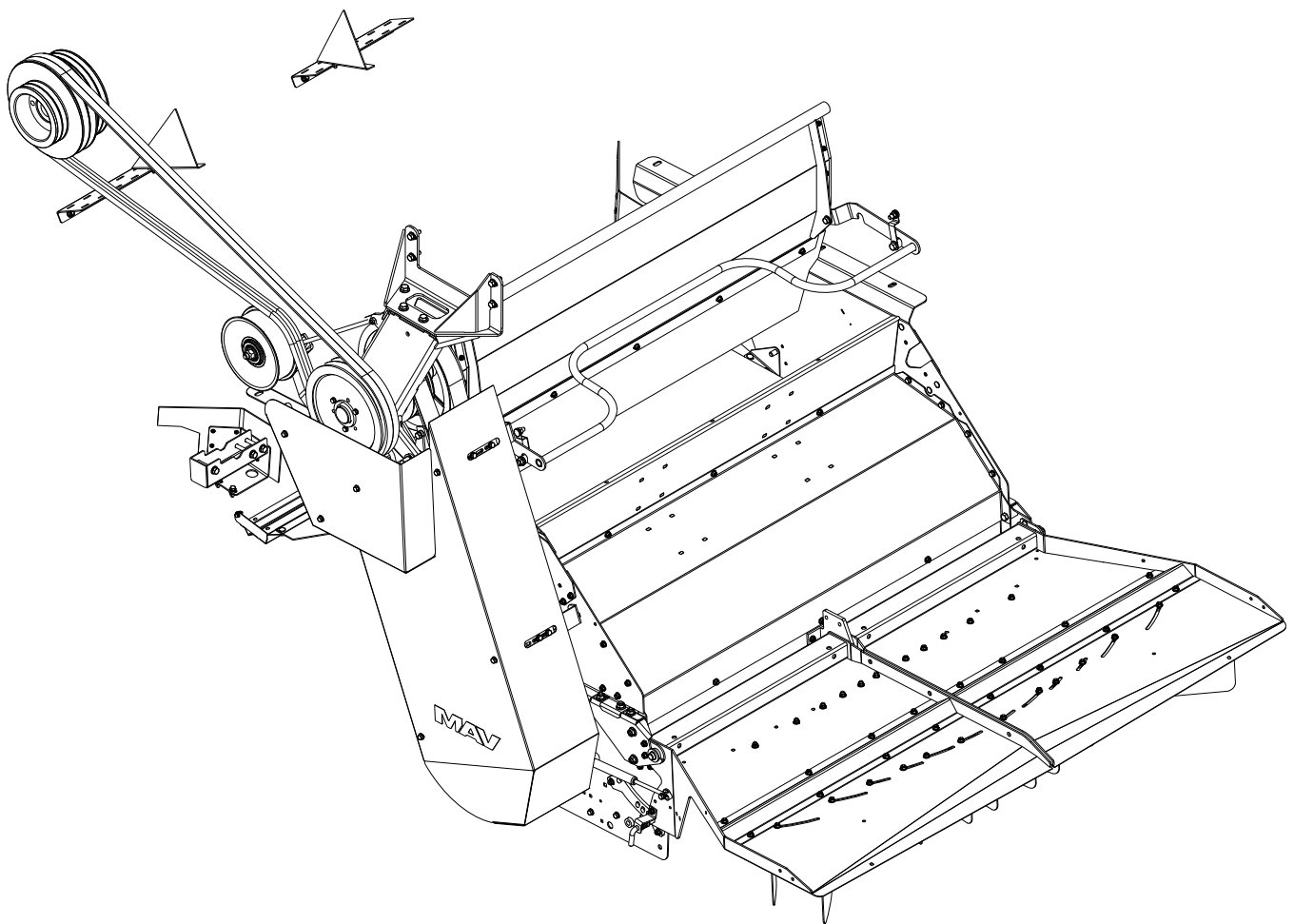


MAV - 221 Case IH AFX 7010-8010 Series Complete Chopper Installation Guide



Case IH AFX 7010 & 8010 Series
Complete Redekop MAV Chopper Installation Manual
Table of Contents

	<u>Section</u>
Safety	0
Pre-Installation	1
Chaff Deflectors	2
Sieve Extension	3
Internal Deflectors	4
Factory Knifebar and Concave Setting	5
Straw Door	6
Chopper Placement	7
Gas Springs and Speed Sensor	8
Drive Hub	9
Drive	10
Drive Shield and Chaff Vent	11
Hydraulic Oil Level	12

Case IH AFX 7010 & 8010 Series

Complete Redekop MAV Chopper Installation Manual

Component Reference

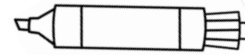
1. Sieve Extension
2. Internal Deflectors
3. Factory Knifebar & Concave Setting
4. Straw Door
5. Chopper
6. Gas Springs & Speed Sensor
7. Drive Hub
8. Chopper Drive
2C/3B 10S Jackshaft
9. Drive Shield
10. Tailboard
11. Hydraulic Oil Level



Supplies required to assist during the installation procedure:

Requirements:

Marker



Drill



Drill bit - 9mm dia or 11/32 in dia.
- required for section 9.2

Drill bit - 10mm dia or 13/32 in dia.
- required for section 2.3, 3.2



Drill bit - 12mm dia or 1/2 in dia.
- required for section 2.1

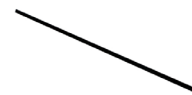
Pipe Sealant Tape
- required for section 1.15



Sand paper / emery cloth
- required for section 9



Straight Edge or Laser Alignment Tool
- approx. 1000 mm long
- required for section 9.3



Angle Grinder or Metal Saw
- required for section 9.2

0 Safety

0.1 Introduction

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

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



0.2 Recognize Safety Information

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

Follow recommended precautions and safe operating practices.



0.3 Understand Signal Words

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

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



0.4 Follow Safety Instructions

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

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

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

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

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

Other languages are available for this machine. Please contact Redekop



0.5 Safe Operating Practices

0.5.1 DO NOT stand near combine when machine is running.

ALWAYS refer to your Combine Operator's Manual, and review Safety section before operating machine. The Combine Operator's Manual details safe operating practices that must be followed to protect you and others from accidental death and/or injury.

Operate machine only when all guards are correctly installed.

Before moving away, always check immediate vicinity of machine (e.g. for children). Ensure adequate visibility. Use the horn as a warning immediately before moving away.

When making turns, always take into consideration the width of the attachment and the fact that the rear end of the machine swings out. Attachments and ground conditions affect the driving characteristics of the combine.

Never leave machine unattended as long as engine is running.

0.6 Work In Ventilated Area

0.6.1 Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.

If you do not have an exhaust pipe extension, open the doors and get outside air into the area.

0.7 Practice Safe Maintenance

0.7.1 Understand service procedure before doing work. Keep area clean and dry.

Never lubricate, service, or adjust machine while it is moving. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

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

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

On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.



0.8 Avoid Contact With Moving Parts

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



0.9 Avoid High-Pressure Fluids

0.9.1 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.

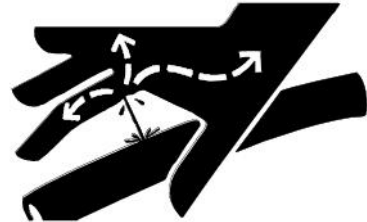
Replace worn or damaged hose assemblies immediately.

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.

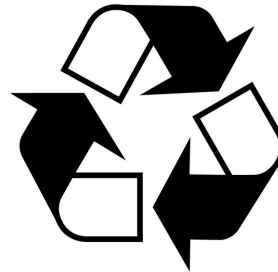


0.10 Dispose of Waste Properly

0.10.1 Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste includes such items as oil, fuel, coolant, brake fluid, filters, and batteries.

Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

Do not pour waste onto the ground, down a drain, or into any water source.



0.11 Use Proper Lifting Equipment

0.11.1 Lifting heavy components incorrectly can cause severe injury or machine damage.

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

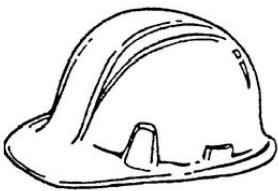
Ensure lifting equipment is rated for the job

Ensure operator is appropriately licensed to operate lifting equipment



0.12 Personal Protective Equipment (PPE)

0.12.1 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.

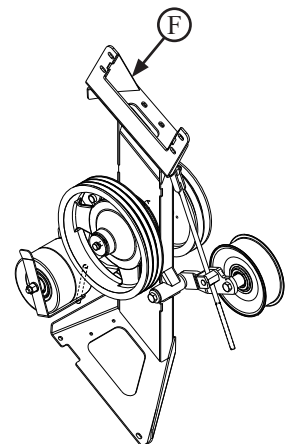
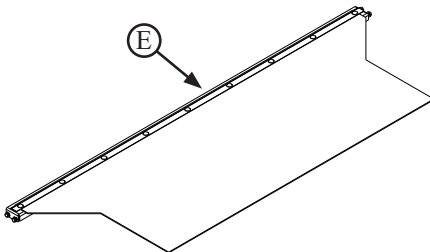
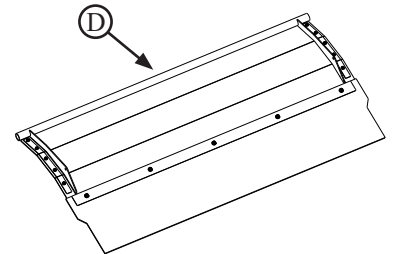
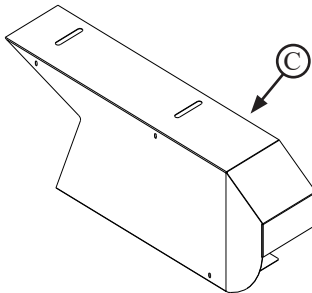
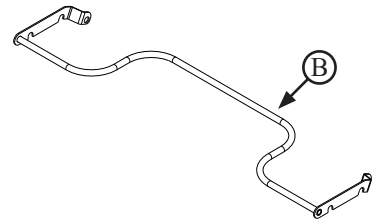
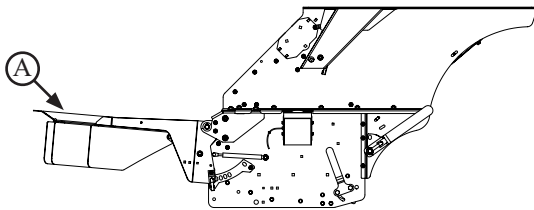
Torque Table		
Nominal Size	Class 8.8	Class 10.9
	Nm / (ft-lbs)	Nm / (ft-lbs)
M8 - flanged	27 / (20)	39 / (29)
- non flanged 25 / (18)	35 / (26)	
M10 - flanged	54 / (40)	57 / (42)
- non flanged 49 / (36)	70 / (51)	
M12 - flanged	93 / (69)	134 / (98)
- non flanged 85 / (63)	121 / (90)	
M16 - flanged	231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

**CAUTION**

Check all fasteners to ensure they have been properly tightened

Kit Content

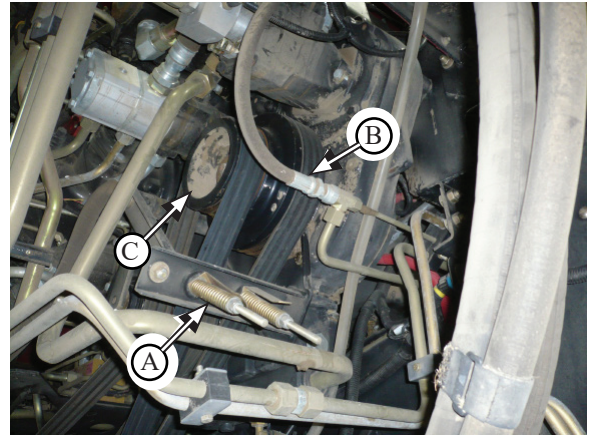
Ref	Item Name	Part #	Qty
A	Case IH Chopper Assembly		x1
B	Handle, Case AFX 56.75L	CS206B	x1
C	Chopper Drive Shield 56L	CS147B	x1
D	Straw Door 57L		x1
E	AFX Sieve Extension Assembly	CS484BA	x1
F	Jackshaft Assembly AFX Drive- 2C/3B	CS800BA	x1
	AFX Sheave Box - 2C Drive		x1
	AFX Drive Box - 2C/3B - 10 Series		x1
	AFX Completion Box		x1



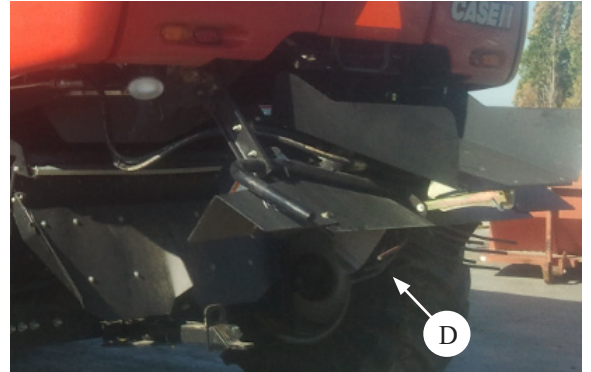
1 Pre-Installation

1.1 On the driver side of the combine:

- Loosen belt tensioners (**A**) on the main drive belts
- Remove belts (**B**) and sheave (**C**)



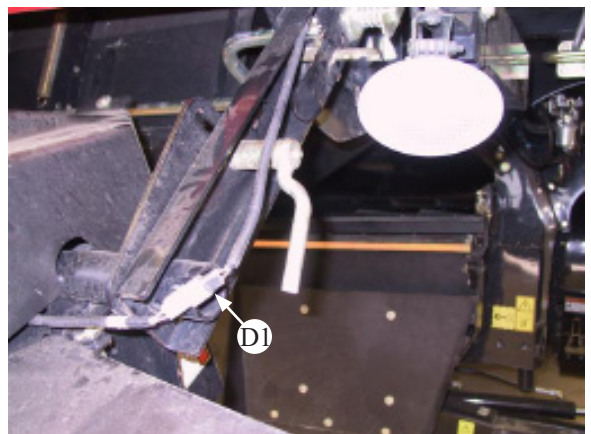
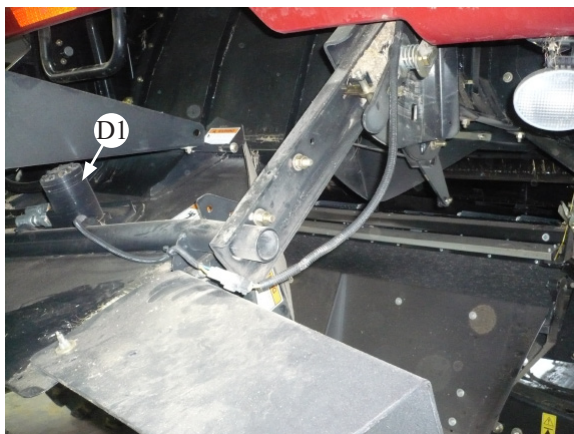
1.2 Rotate spreader to rearward position to prepare for removing spreader package (**D**)



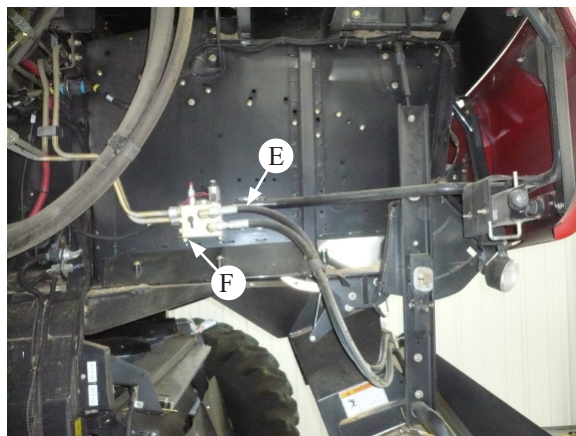
1.3 Disconnect chaff spreader proximity sensor (upper driver side)

Disconnect spreader speed sensor (lower passenger side)

Cut cable ties for proximity switches and speed sensor
Remove spreader speed sensors from hydraulic motors (**D1**)



1.4 Remove spreader hydraulic hoses (E) from block (F)

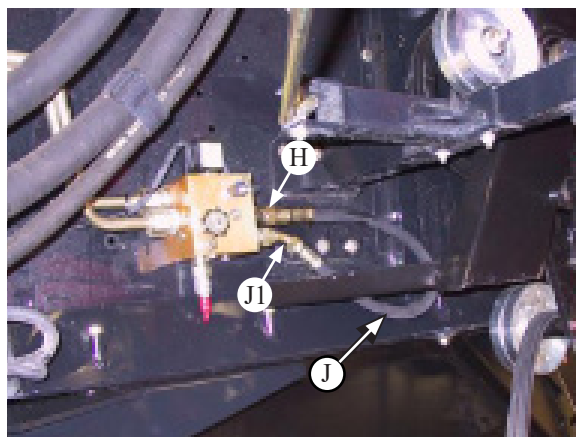


1.5 Swing hose assembly (G) back onto spreader for storage



1.6 Install hydraulic fittings (H) x2 into block:
- Steel Hydraulic Fitting (#RP289)
12 FORF X 10MORF (H) x2

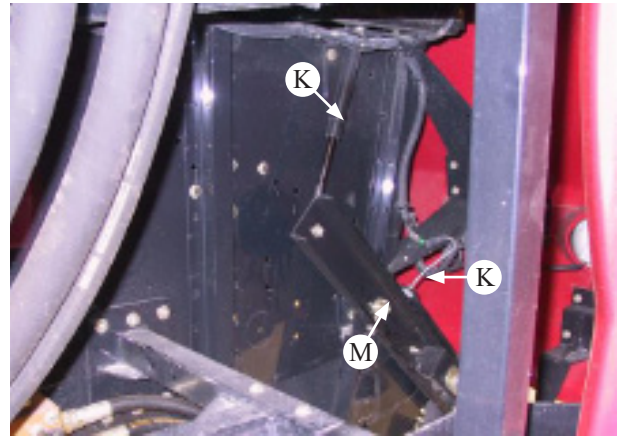
1.6.1 Install hydraulic hose (J) in kit into fittings (H) in block to loop circuit
- Angled fitting (J1) on hose goes to the bottom of block
- Hydraulic Hose (#RP288)
0.5 R17 10 FORX - 10 FOR x 45 DEG (J)



1.7 Remove gas shock (K)

1.7.1 Remove sensor (L)

- Save sensor for chopper assembly later



1.8 Place a pallet under spreader and lift into place with a fork lift to assist in removal of the spreader

Remove pin and bolt (M) from one side and rest spreader on pallet to remove hardware from opposite side

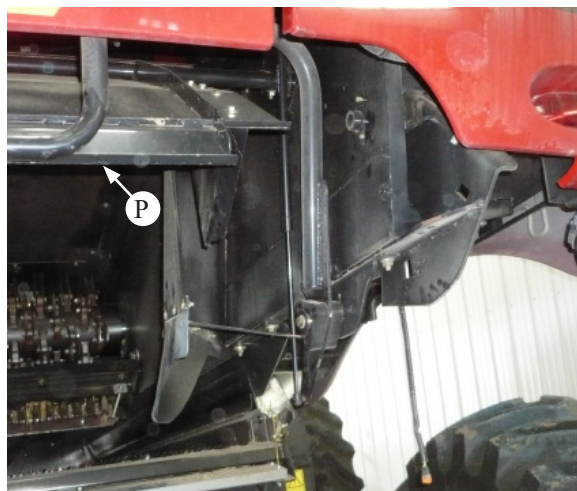
Lower pallet with spreader and store in a convenient location



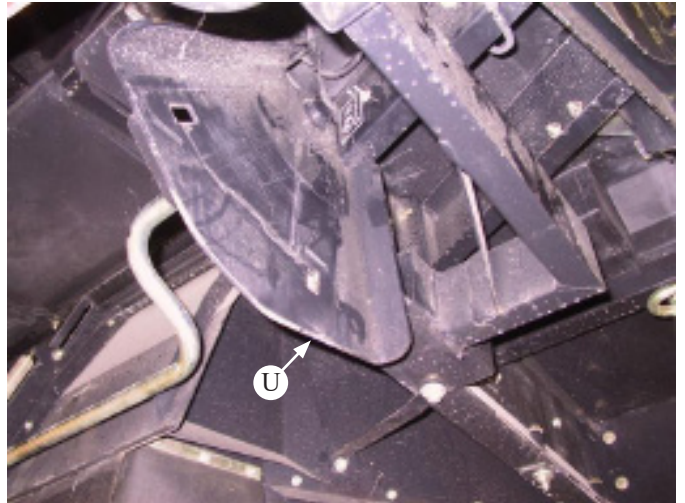
1.9 Remove internal deflector panels (N)



1.10 Remove straw door (P)
- leave factory straw door brackets for mounting
Redekop straw door



1.11 Remove spreader mount panels (T), (U) & (V)



1.12 Remove bolts from flange (W) to prepare for chopper assembly

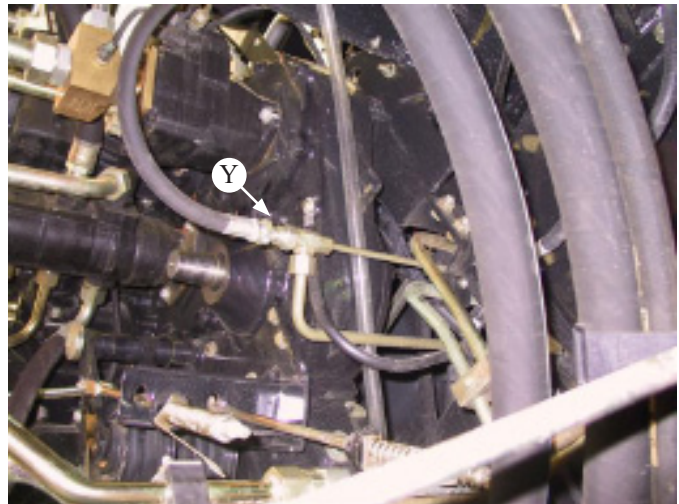
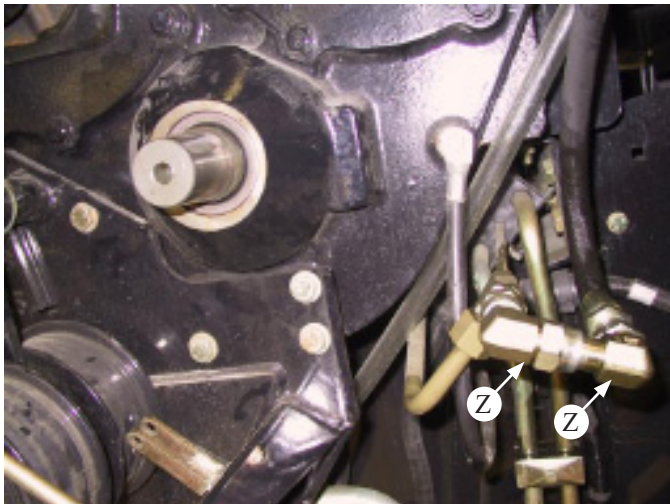
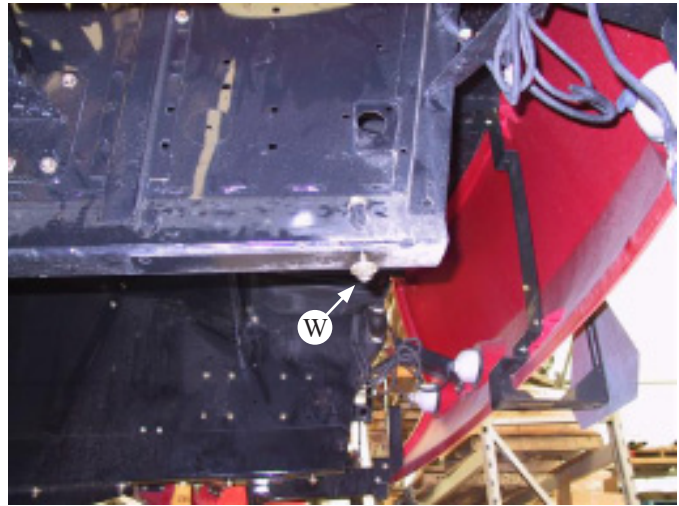
1.13 The inside panels should look like this after spreader, straw door, and deflector panels are removed (X)

1.14 Disconnect hydraulic hose at (Y)

1.14.1 Assemble 90 degree fittings (Z)
- Steel 90 Degree Hydraulic Fitting (# H38-1010FFX)
10 FORSX-10MORF (Z) x2

1.14.2 Attach fittings (Z) to factory fitting (Y)

1.14.3 Reattach hose to fittings (Z)
- This moves the hose out of the way for the chopper belt drive



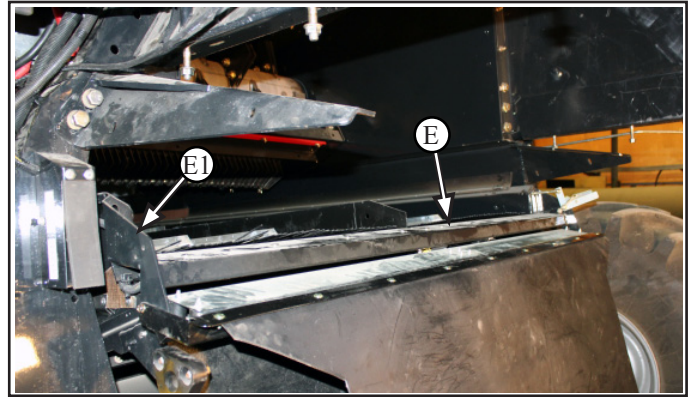
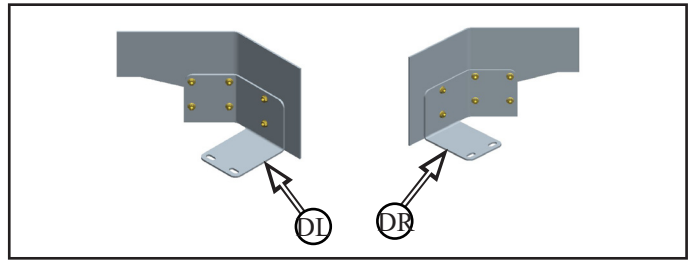
2 Chaff Deflectors and Chaff Vent Installation

Parts List:

parts located in CS622BS Box and CS999K Kit

CS599BAL Sieve Ext. Deflector Lt Assy (DL) Qty 1

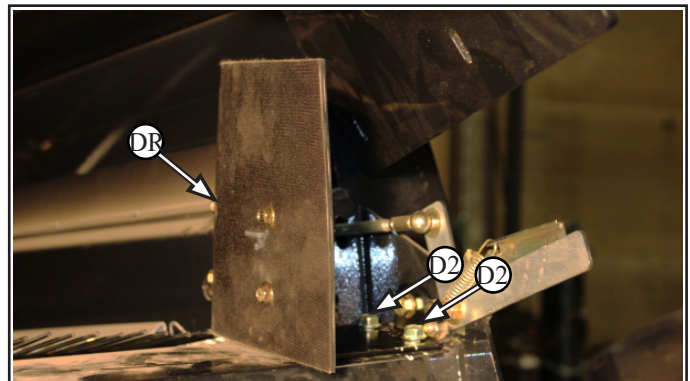
CS599BAR Sieve Ext. Deflector Rt Assy (DR) Qty 1



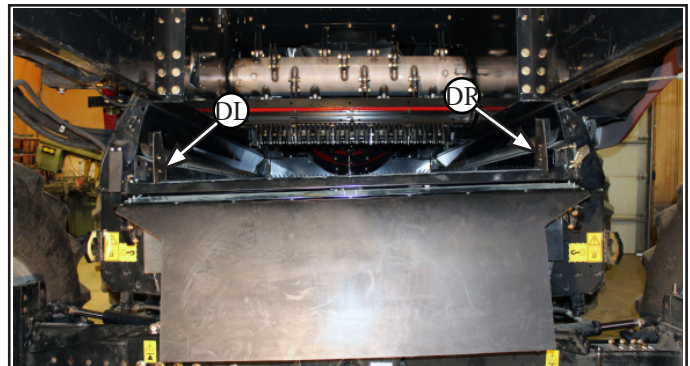
2.1 Place each deflector (DL & DR) at each end of the sieve (E)

2.1.1 Attach bottom of Deflector (DR) into existing holes with:

- M8 x 25 flange bolts and flange nuts (D2) x2
- both sides



2.1.2 Installed deflectors (DL) and (DR) view.



3 Sieve Extension Installation



For 8010 Series Only

Parts List:

parts located in CS857BS Installation Parts Kit

CS484BA Sieve Extension Assy AFX (A) Qty 1

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

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

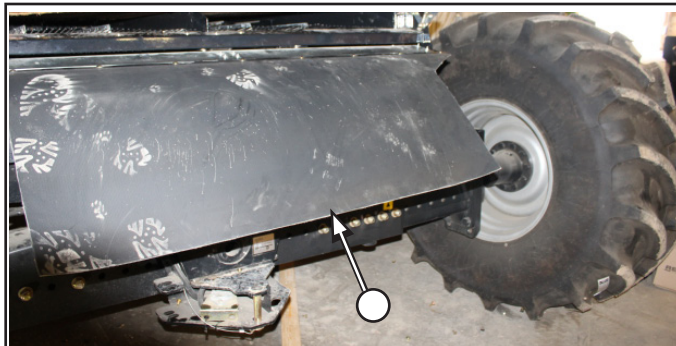
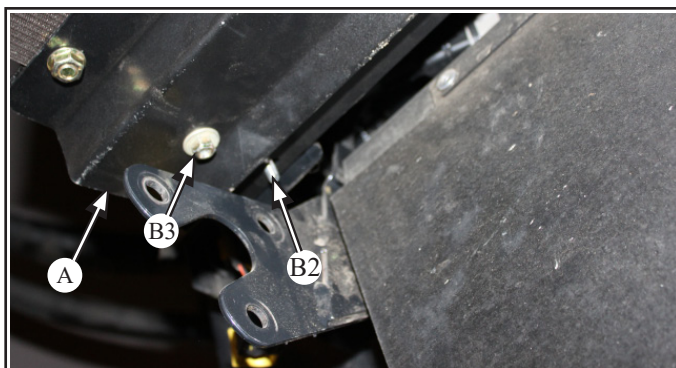
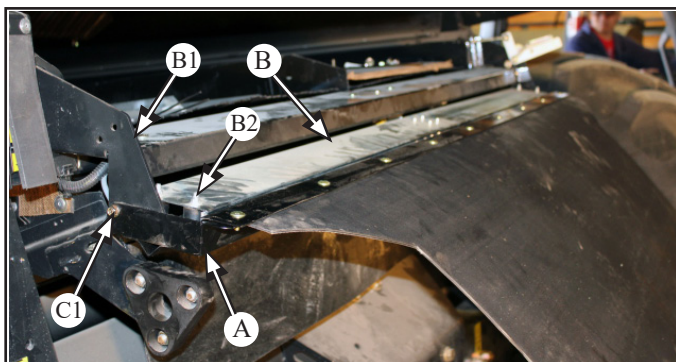
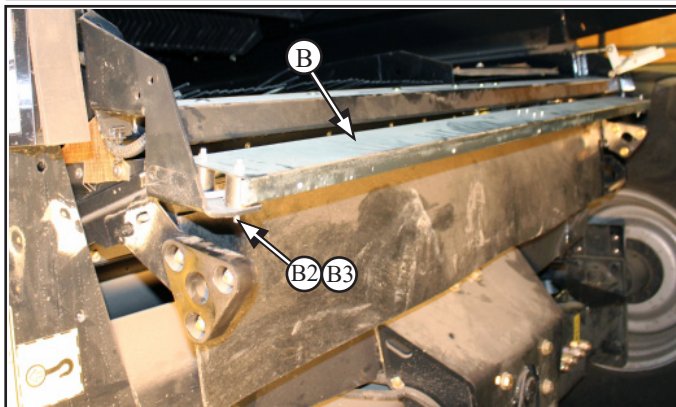
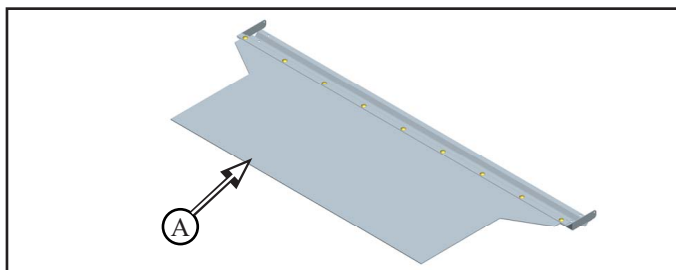
3.3 Mount side of sieve extension assembly (A) to combine side bracket (B1) with:
- M6 x 16 flange bolts and flange nuts (C1) x2

3.4 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)

3.5 Installed sieve extension (A) view



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

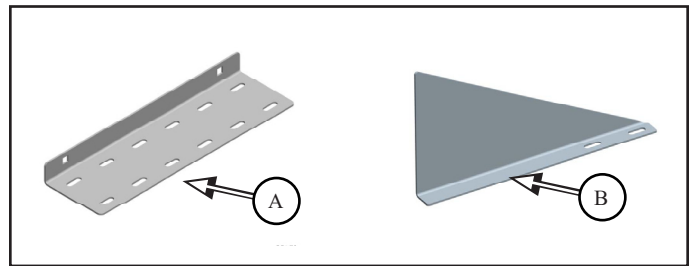


4 Internal Deflectors

4.1 Internal Deflector Installation

Parts List:
parts located in CS622BS Box

CS170B	Internal Baffle Mount Plate (A)	Qty 2
CS921B	Internal Fin (B)	Qty 2



4.1.1 Mount baffle mount plates (A) flush with top of pan (C) with:

- M10x 20 flange head bolt and flange nut x4

4.1.2 Mount deflector fins (B) to 2nd inside mounting hole on mounting plates (A) with:

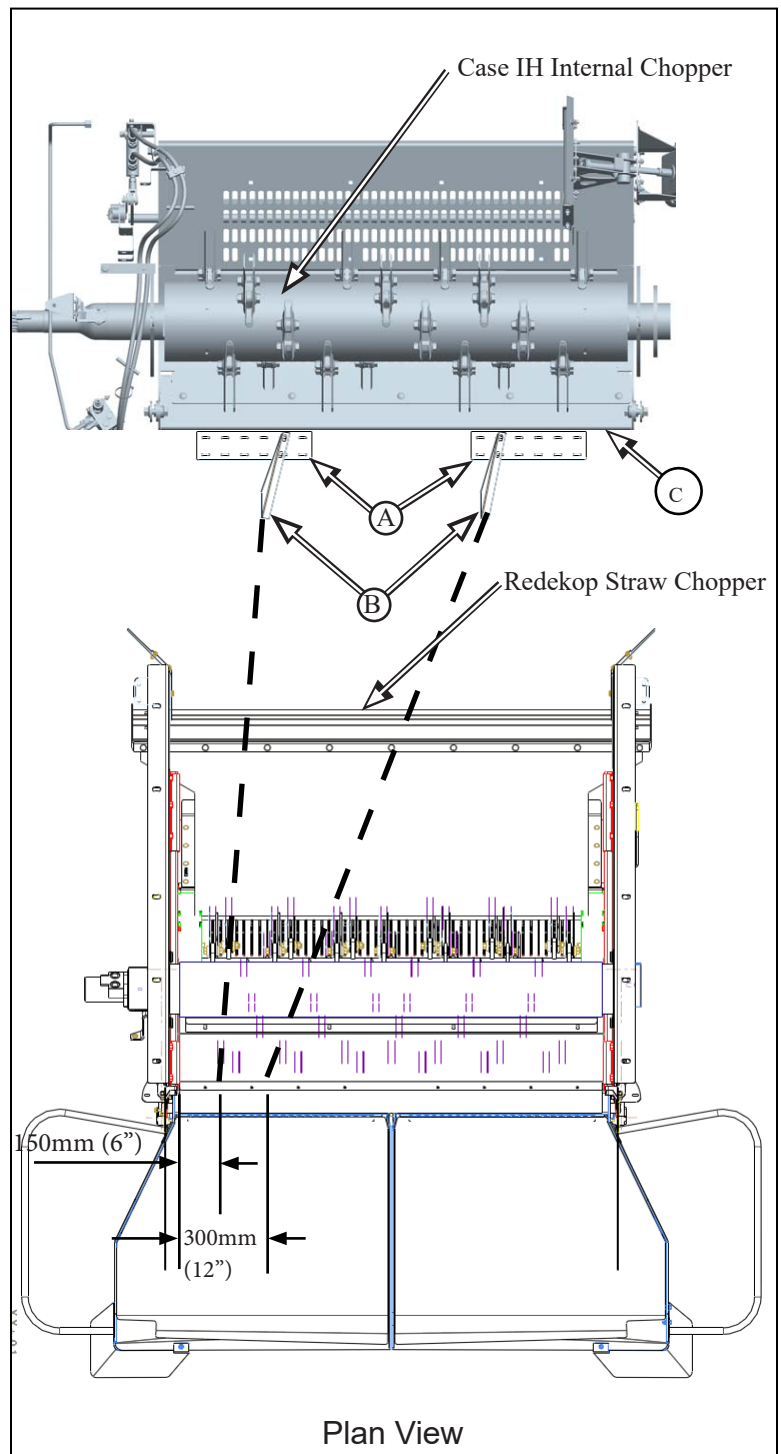
- M8 x 20 round head bolt and flange nut (B1) x4

4.1.3 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



5 Factory Knife Bar & Concave Setting

5.1 The internal straw chopper can be operated in two speeds. Squeeze the plates (A) together to allow the collar to slide. Slide out for low speed and slide in for high speed. Make sure collar is locked in place (uses dentent balls).



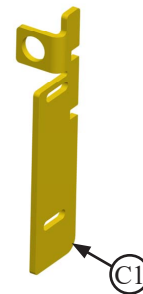
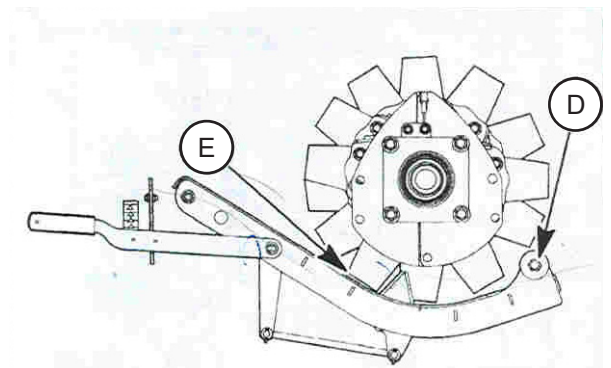
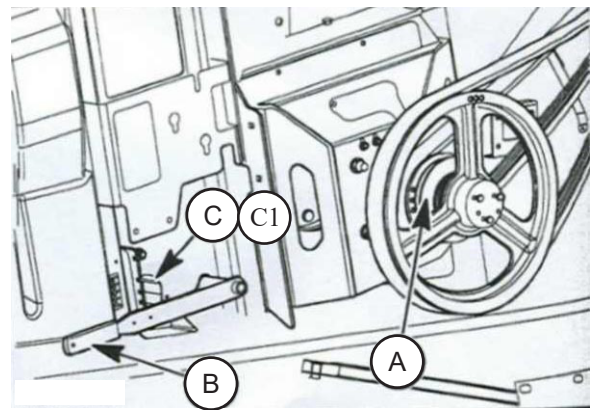
Note: When equipped with a Redekop MAV chopper the internal chopper must always be set to operate at high speed.

The factory stationary knife adjust handle (B) can be adjusted to vary the height of the stationary knives. With the handle down, the knives are fully engaged. With the handle up, the knives are removed.

Replace bracket (C) with new CS838Z Notched Knifebar Adjustment Bracket (C1) - this limits engagement of the stationary blades to 25%.

For best rock protection, open concave up as much as possible, however if you wish to chop with both choppers adjust concave clearance to a minimum of 10mm (3/8").

Use the concave adjusting bolts (D) to set the clearance (E) to a minimum of 10 mm (3/8") between the concave and the tip of the rotor blade.

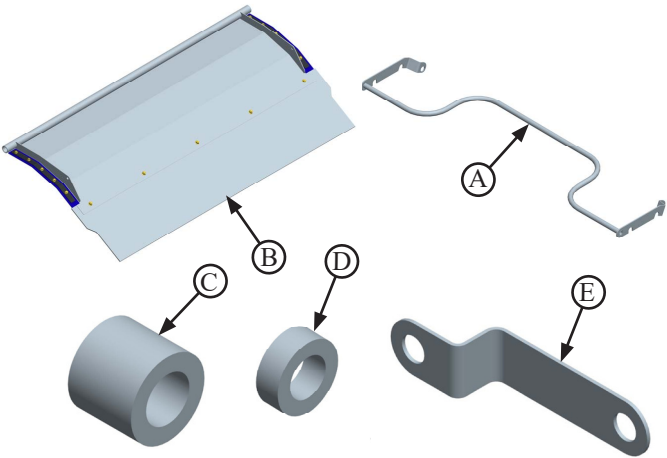


6 Straw Door Installation Overview

Parts located on pallet and in CS313BS box

Parts List:

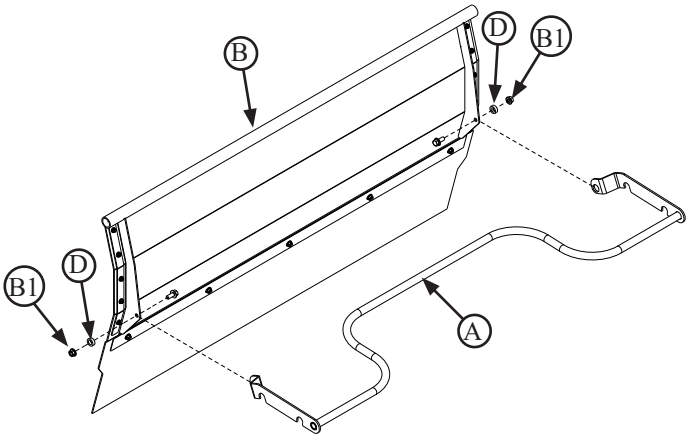
CS206B	Case AFX Straw Door Handle (A)	Qty 1
CS136BA	Case AFX Straw Door 8010S (B)	Qty 1
CH139Z	Spacer .44 ID x .88 OD x .75 L (C)	Qty 2
CH140Z	Spacer .44 ID x .88 OD x .31 L (D)	Qty 2
CH141Z	Straw Door Latch Bracket (E)	Qty 2



6.1 Straw Door Assembly

6.2 Mount Straw Door Handle (A) to the Straw Door (B).
Use:

- M10 x 25 Flange Head Bolt and M10 Flange Nut (B1)

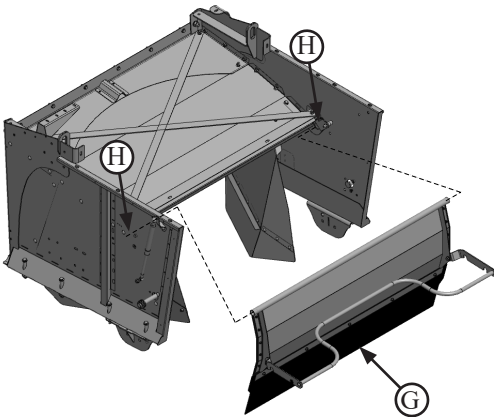


6.3 Straw Door Installation

6.4 Mount Straw Door Assembly (G) to the existing Straw Door Brackets (H).

Use:

- Existing Hardware

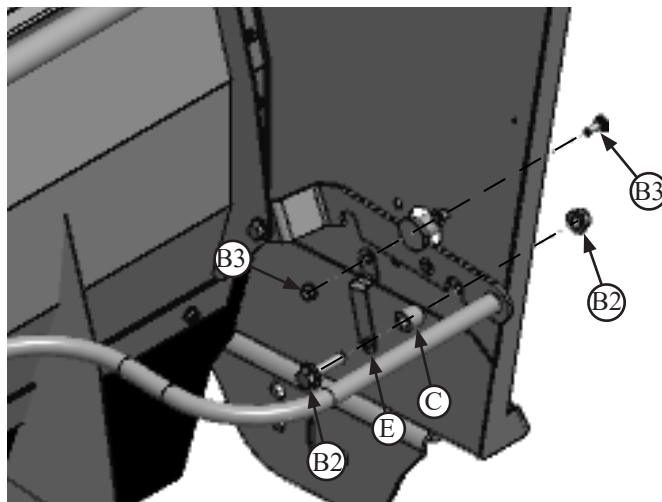


6.5 Straw Door Latch Installation

6.6 Mount Straw Door Latch Bracket (E) and Latch Spacer (C) to the right side wall of the combine.

Use:

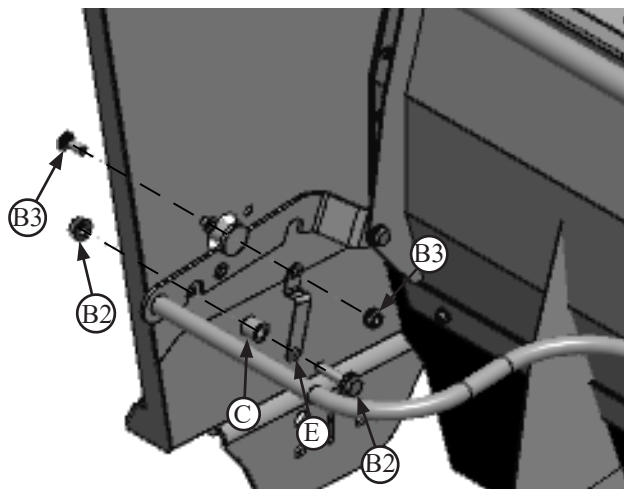
- M12 x 45 Flange Head Bolt and M12 Flange Nut (B2)
- M10x 25 Round Head Bolt and M10 Flange Nut (B3)



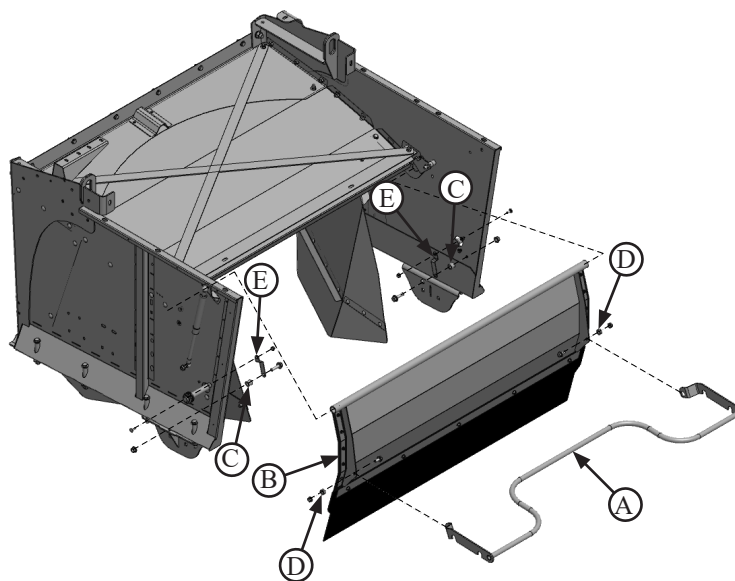
6.7 Mount Straw Door Latch Bracket (E) and Latch Spacer (C) to the Left side wall of the combine.

Use:

- M12 x 45 Flange Head Bolt and M12 Flange Nut (B2)
- M10x 25 Round Head Bolt and M10 Flange Nut (B3)

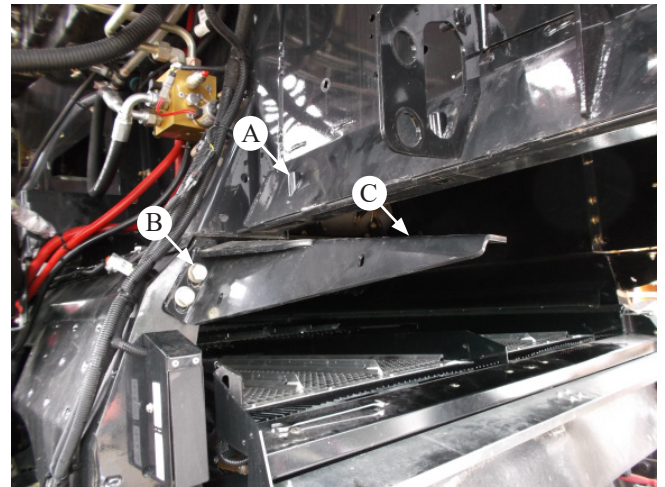


6.8 Straw Door Assembly Overview



7 Chopper Placement

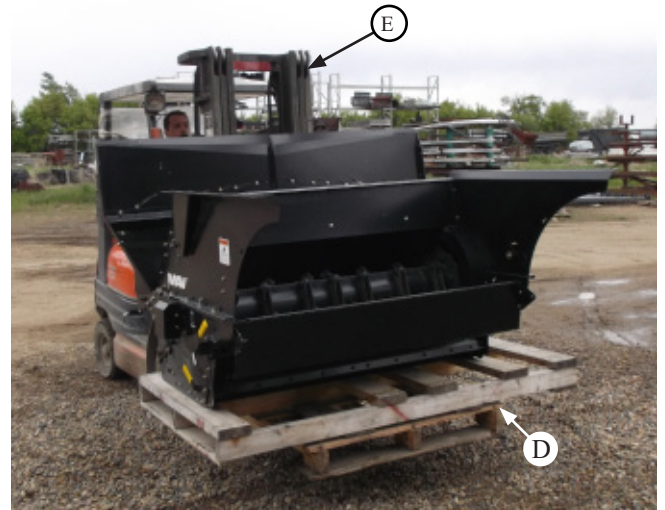
7.1 Remove hood bolts (A) and loosen gusset bolts (B)
- Spread hood gusset (C) a minimum of 0.25" apart. Chopper flange must slide between plates for mounting.



7.2 Place a second pallet (D) under the MAV chopper bundle and turn 90 degrees

7.2.1 Remove tailboard shipping brackets and rest tailboard against the loader to ensure it does not strike the combine during mounting

7.2.2 Raise chopper to the combine using a fork lift or front end loader (E) from the back



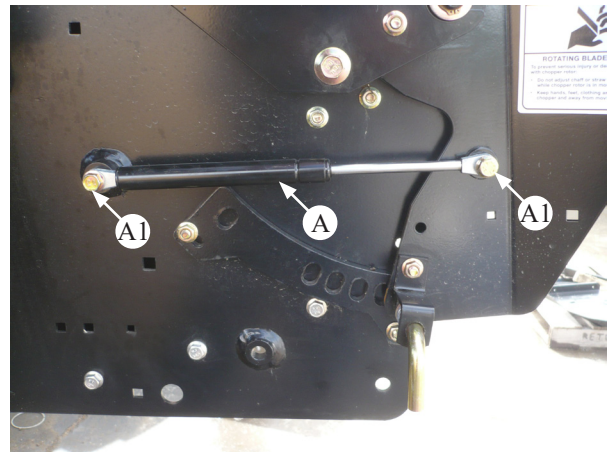
7.3 Slide upper chopper flange along combine hood flange (F). Align hood flange holes with chopper flange slots and replace hood bolts (A) with:
8 - Bolt M12 x 120
8 - Nut M12
8 - Washer, Flt M12

7.4 Tighten gusset bolts (B) and torque to specification. After gussets have been tightened retorque chopper mount bolts.



8 Gas Springs & Speed Sensor

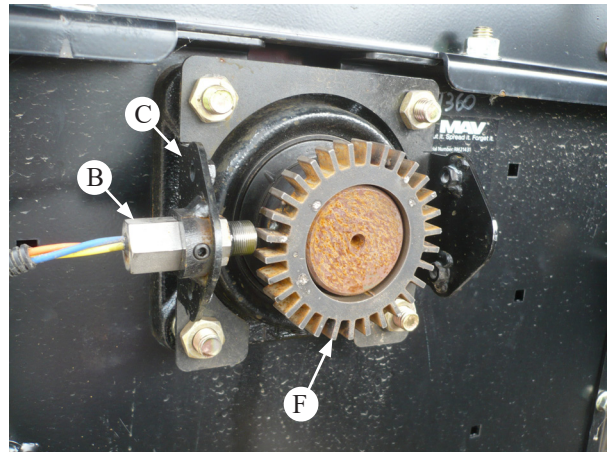
8.1 Mount gas springs (A) to tailboard and chopper housing - both sides, with:
- M8 x 16 flange bolt (A1) x4



8.2 Install speed sensor (B) to sensor mount bracket (C)

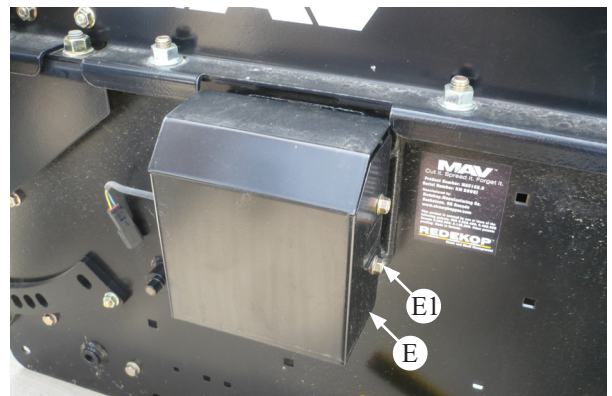
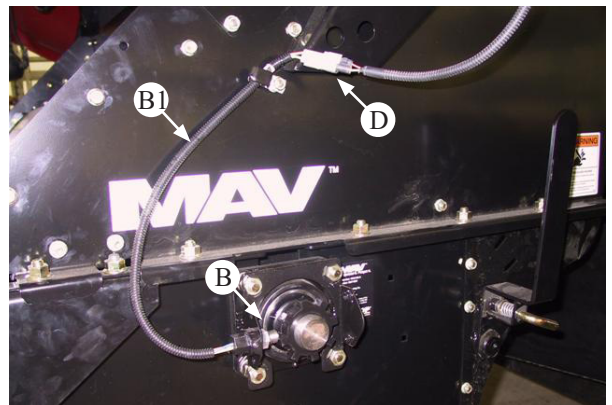
8.2.1 Mount sensor pick-up lug (F) onto the chopper shaft
- sensor (B) was previously removed from the hydraulic spreader motor

Note: End of sensor must be within 1-2mm of sensor tooth.



8.3 Attach sensor harness (B1) to existing wire extension (D)

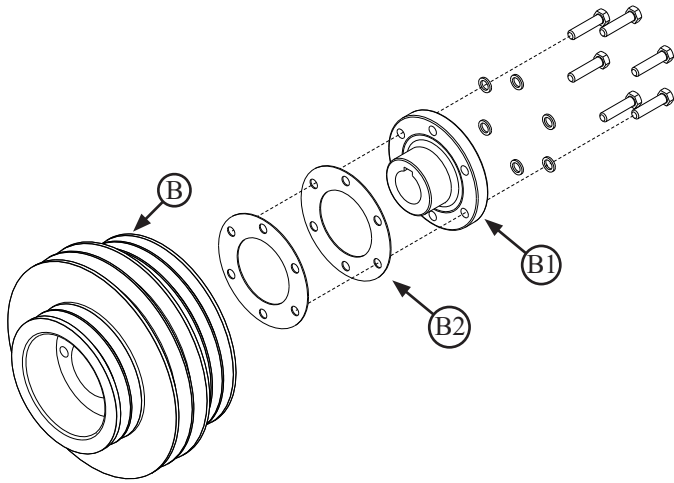
8.4 Install speed sensor shield cover (E) over speed sensor with:
- M6 x 16 flange bolt (E1) x4



9 Drive Hub Installation

9.1 Remove factory chopper drive sheave (A)

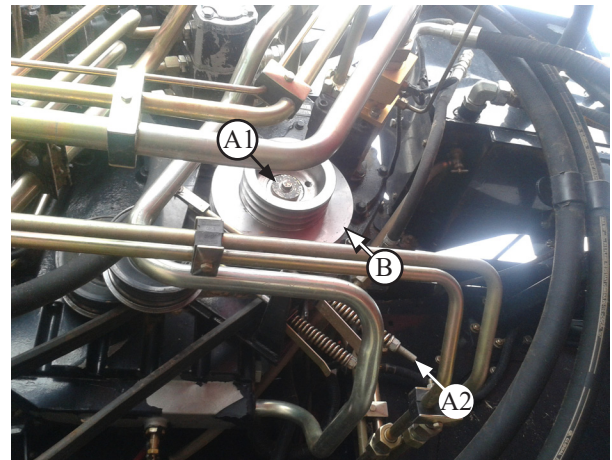
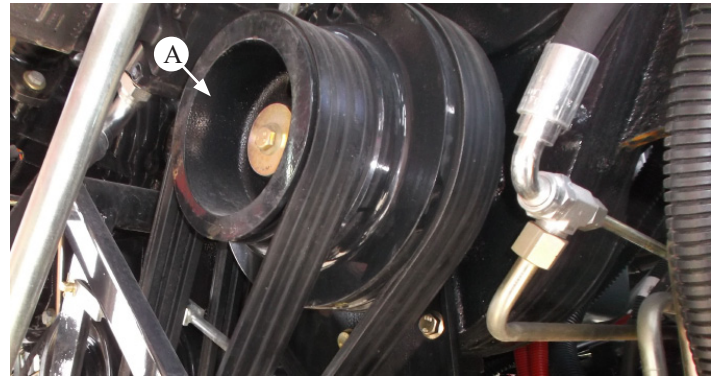
9.2 Assemble hub (B1) into new sheave (B) before mounting onto combine chopper drive shaft. Use the shims (B2) (usually two pieces required) to align sheave with the factory triple banded belt.



9.3 Assemble completed sheave (B) onto combine chopper drive shaft (A1)
- Use existing hardware

9.4 Reinstall combine triple banded drive belt to the inside of sheave (B)

9.5 Adjust tension (A2) to combine specifications.
See your combine operator's manual.

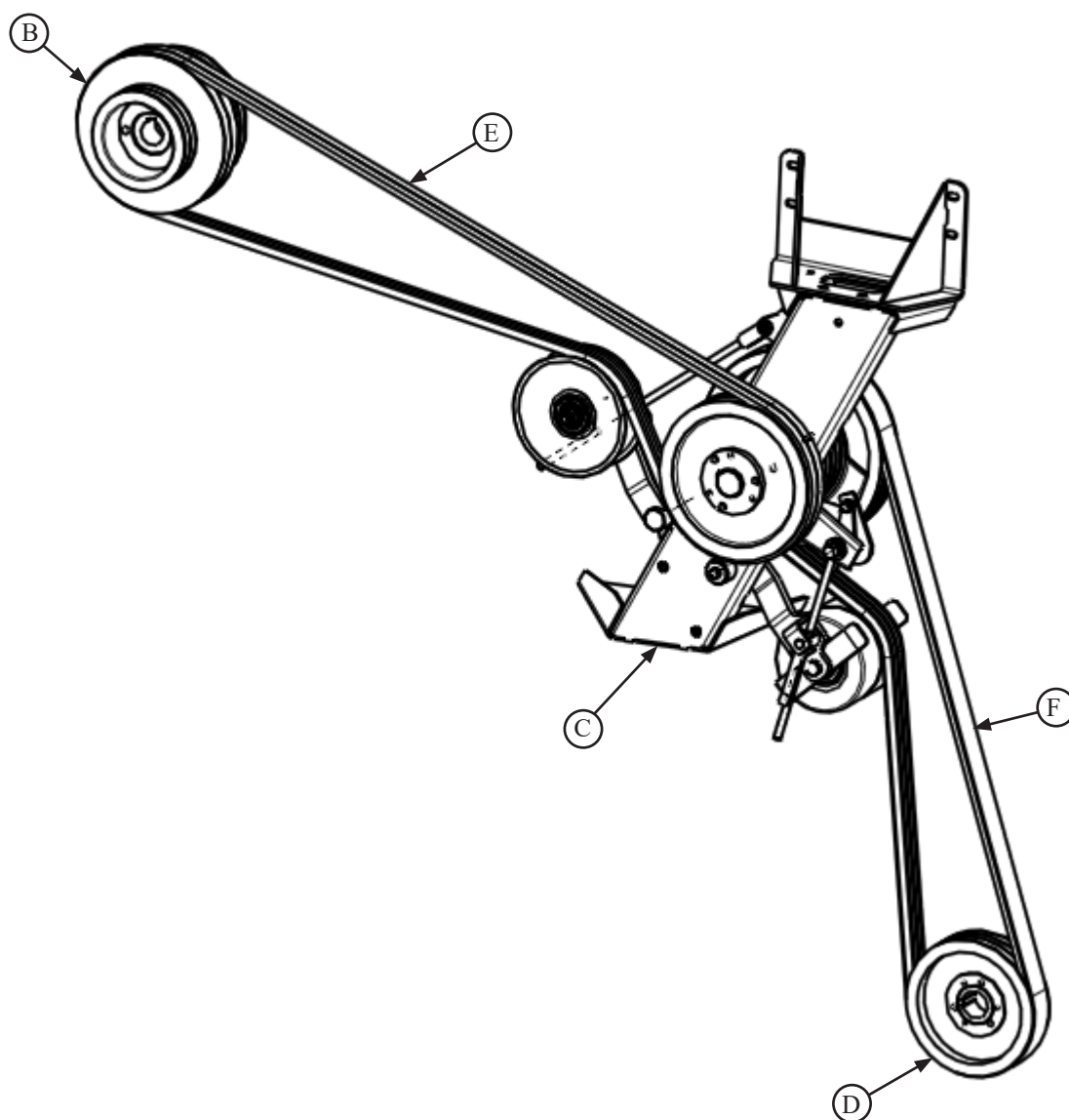


10 7010/8010 Series Drive Installation

OVERVIEW

Parts List:

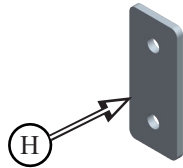
CS410-01	Sheave Case 2C Drive (B)	Qty 1
CS800BA	Jackshaft 3B Assy AFX 8010 (C)	Qty 1
RP387	Sheave 3B 9.4 pd SK (D)	Qty 1
BE2C132K	VBelt 2C 132L Kevlar (E)	Qty 1
BE3B120K	VBelt 3B 120L Kevlar (F)	Qty 1



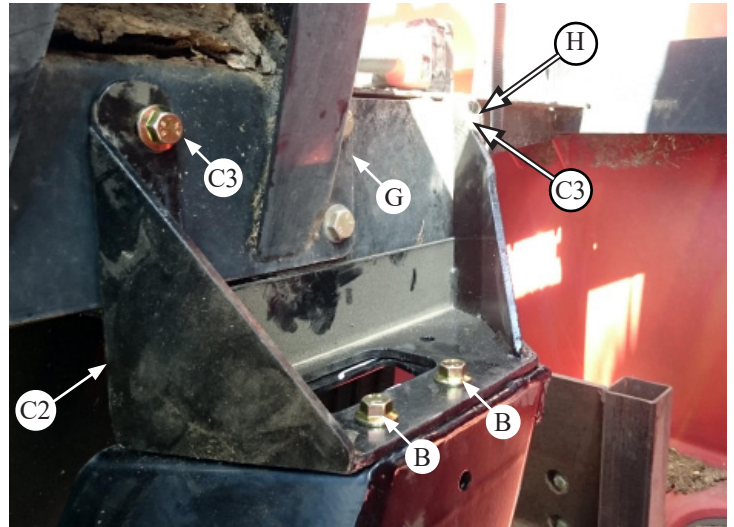
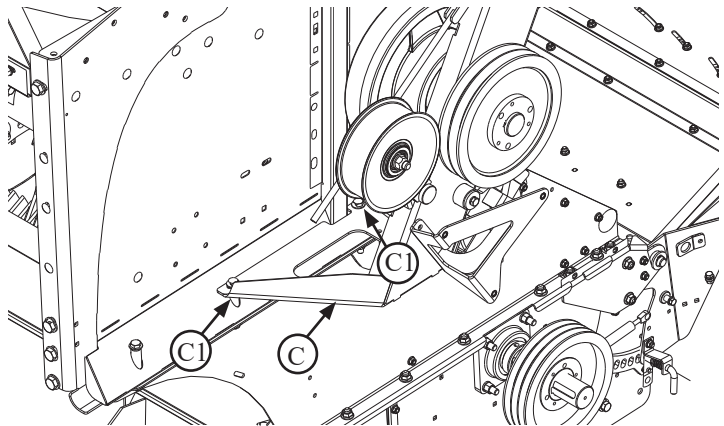
10.1 Jackshaft (C) installation

10.1 Attach top of jackshaft assembly mount bracket (C2) to bottom of auger mount (G) with:
- M12 x 25 flange bolts and flange nuts (C3) x4

10.1.3 Insert spacer (H) behind mount bracket (C2) when auger mount bracket is in forward position.
- Spacer (H) is not required when auger mount bracket (G) is in rear position



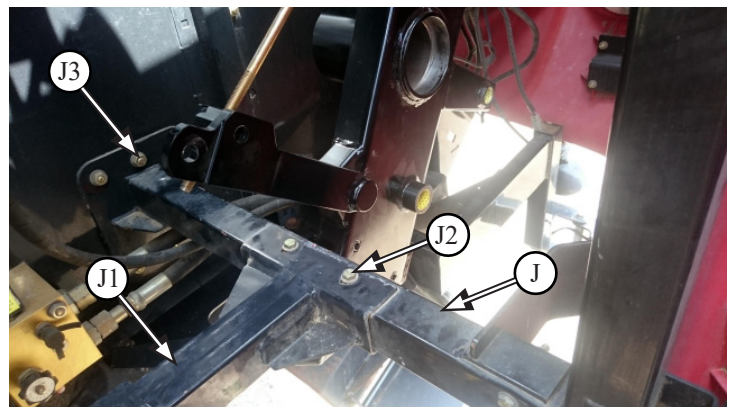
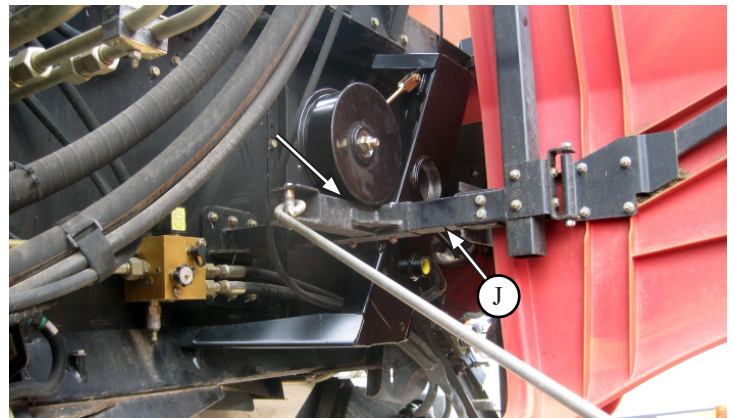
10.1.2 Place bottom of jackshaft assembly (C) onto lower combine hood flange bolt locations (C1) with:
- existing hardware (C1)
- Top bolts (B) might have to be loosened to align the bottom bolts (C1)



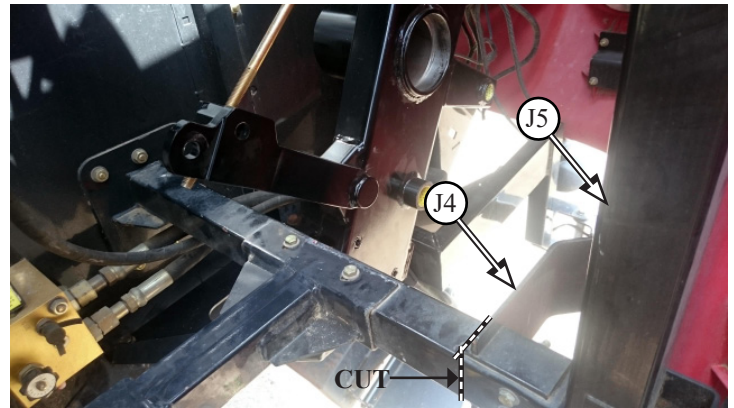
10.2 Modify lower linkage arm (J) to provide clearance to pulley

10.2.1 Remove mounting bolts (J2) x2 attaching arm (J1) to arm (J)

10.2.2 Remove mounting hardware (J3) x6 mounting bracket (J) to side wall



10.2.3 Cut arm tube (J) off beside side plate (J4)

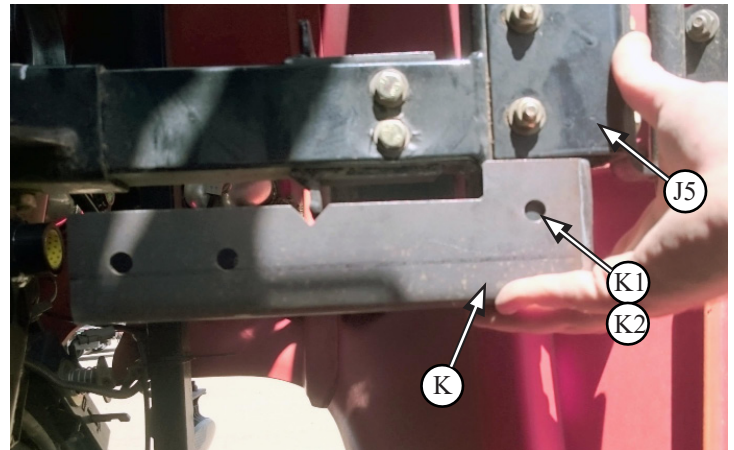


10.2.4 Place support bracket (K) on to post from bottom of bracket (J5)

10.2.4.1 Mark hole (K1) to be drilled

10.2.4.2 Drill 3/8" dia. hole at (K1) through both sides

10.2.4.3 Mount support bracket (K) to post (J5) with:
- M8 x 80 flange bolt and flange nut (K2)

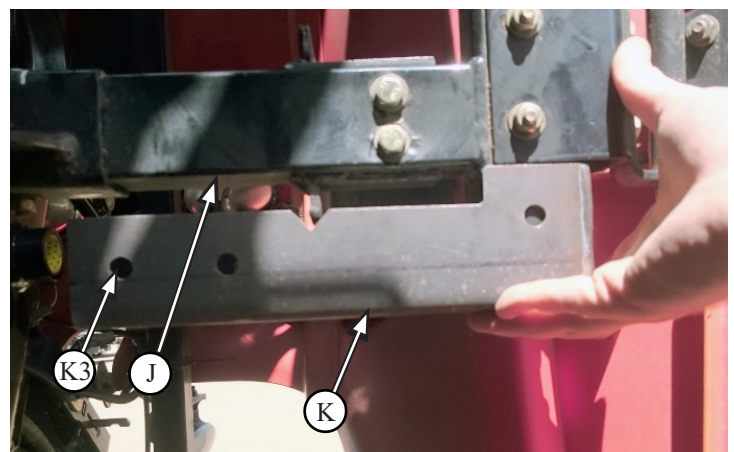


10.2.5 Rotate linkage arm (J) previously cut off 180 degrees and place into support bracket (K)

10.2.5.1 Mark holes (K3) x2 to be drilled

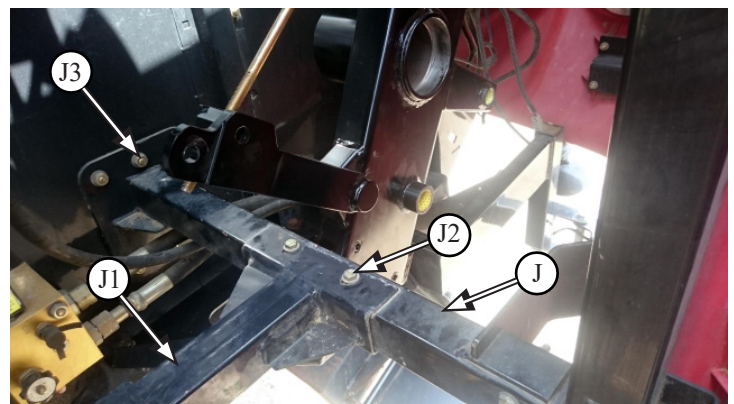
10.2.5.2 Drill 3/8" dia. hole at (K3) x2 through both sides

10.2.5.3 Attach linkage arm (J) to support bracket (K) with:
- M8 x 75 flange bolt and flange nut (K2) x2



10.2.6 Reattach linkage arm (J) to sidewall with:
- existing hardware (J3)

10.2.6.1 Reattach attaching arm (J1) to linkage arm (J) with:
- existing hardware (J2)

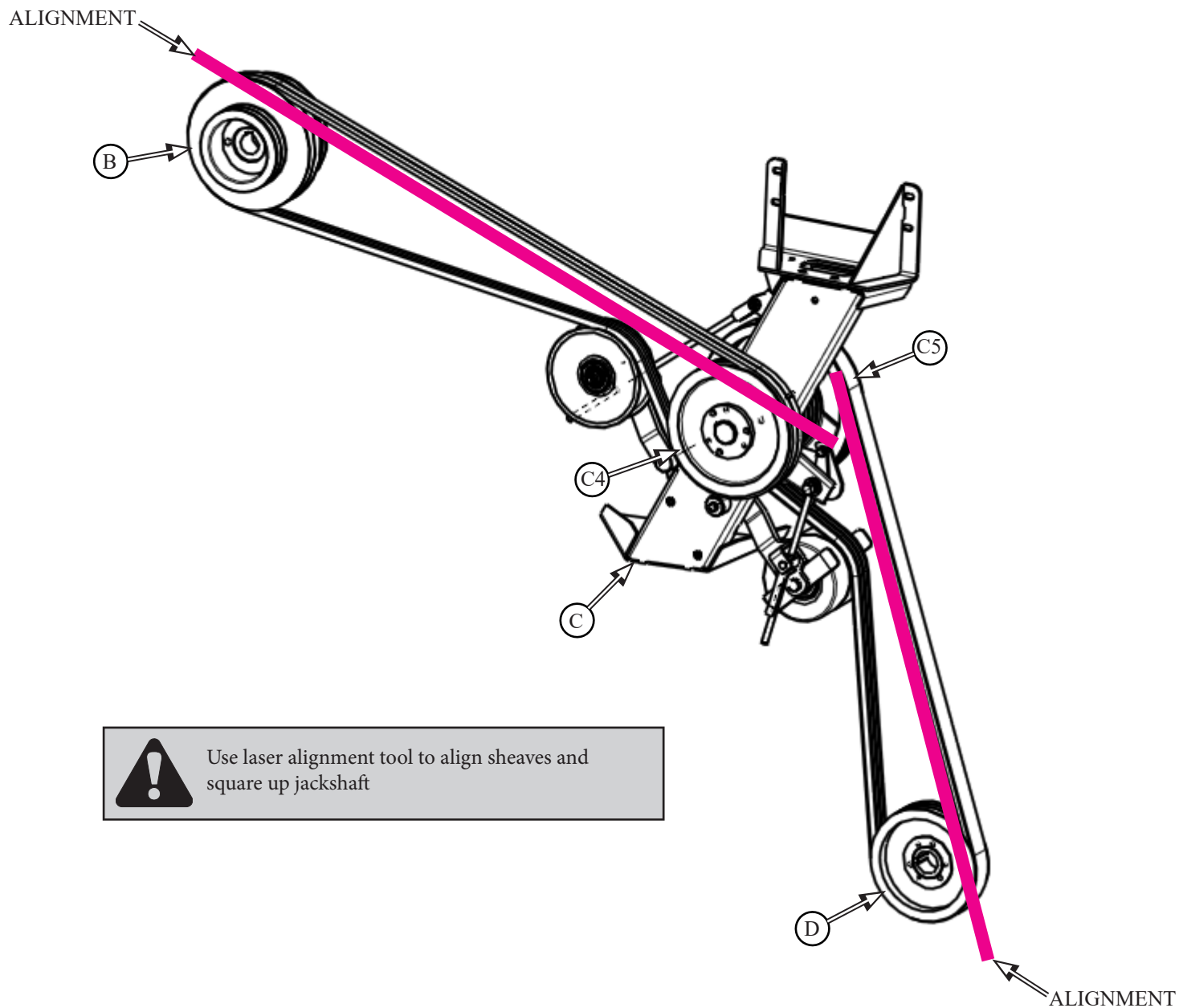


10.3 Align sheaves and square up jackshaft

10.3.1 Align sheave (C4) on jackshaft (C) to drive sheave (B) on combine

10.3.2 Align sheave (C5) on jackshaft (C) to sheave (C) on chopper

10.3.3 Tighten jackshaft and sheaves in place and recheck alignments



10.4 Reuse and install OEM High Speed Chopper belt (L) onto the drive sheave and route around idler

10.5 Install Redekop chopper belt 2C132K (E) onto PTO sheave

1 pcs. - Belt 2C132K

10.6 Carefully cut outer belt F1 down to 2 rib. Reinstall modified factory combine drive belt (M) onto outside of sheave (B). Adjust tension to combine specifications. See your combine operator's manual.

10.7 Install 3B 9.4 SK sheave (P) onto the chopper rotor shaft

1 - Sheave 9.4 SK

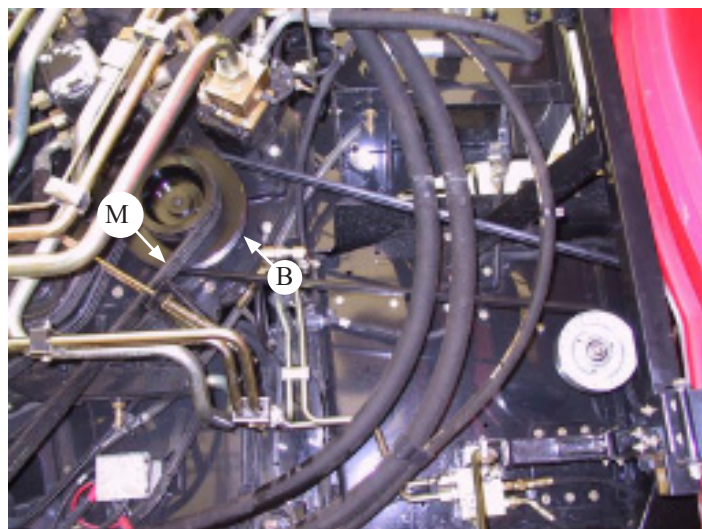
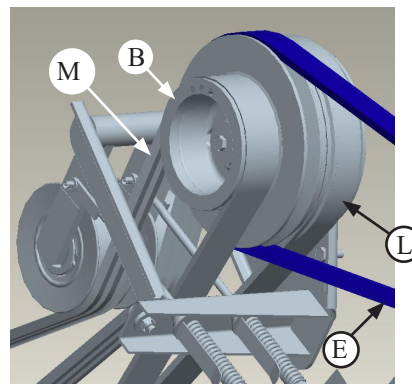
1 - Hub 50mm SK

1 - Keystock 14mm X 9mm X 50mm

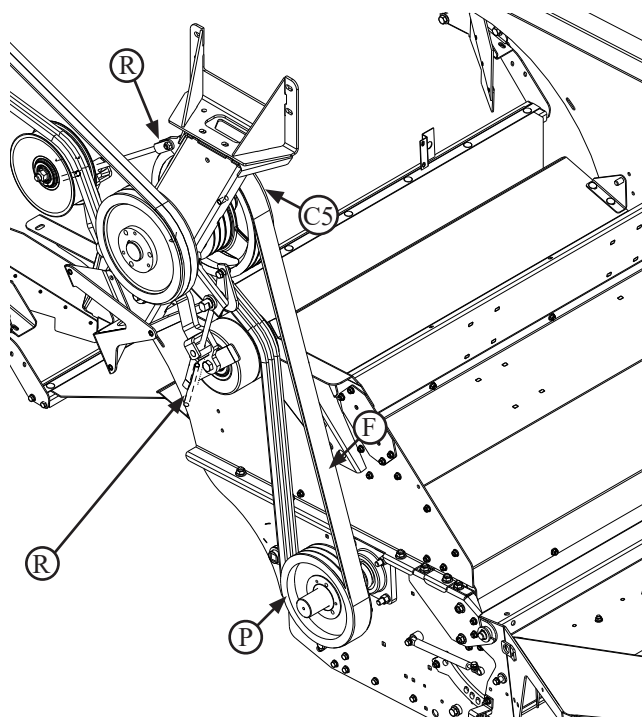
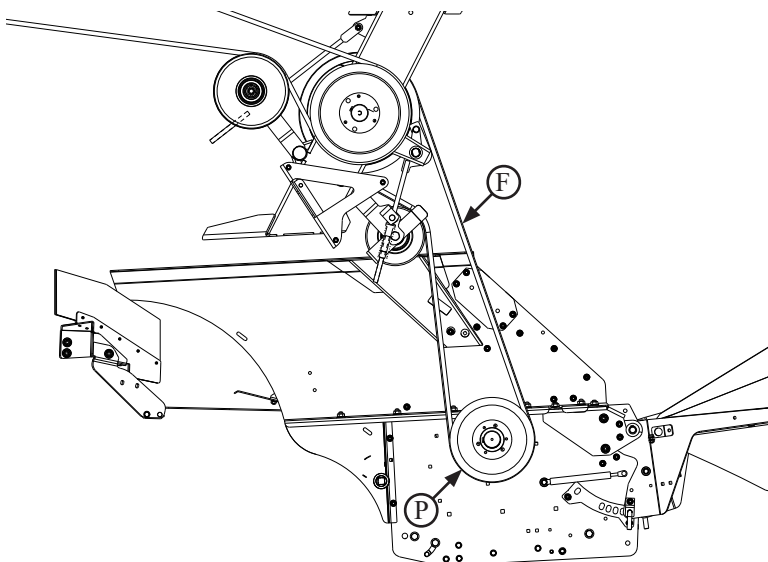
1 - Belt 3B120K (F)

** See Bushing Installation 9.7.2 for procedure **

10.7.1 Align with driver sheave on jackshaft assembly (C5) and install belt (F). Adjust tensions (R) with spring tensioners. Tighten spring to line up with end of guide.



NOTE: Kevlar Belts are unforgiving to belt misalignment. Improper belt alignment will result in premature belt failure.



IMPORTANT: DO NOT USE LUBRICANTS IN THIS INSTALLATION**To Install Bushing:**

1. Remove all paint, oil grease, etc. from tapered surface of bushing and bore of mating part.
2. See Standard mounting assembly - Figure 1.

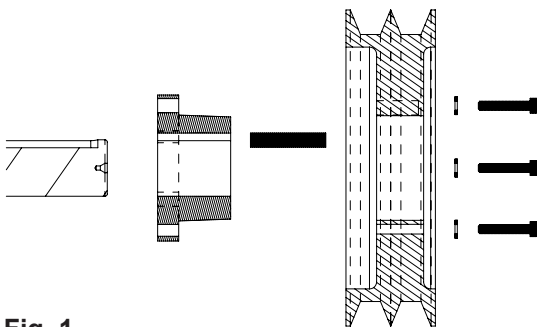
NOTE: If bushing does not slide freely on shaft, wedge a screwdriver blade into the saw cut and the flange OD to open the bore of the bushing. Caution: Excessive wedging will split the bushing.

3. Standard Mount – Slide bushing on shaft, flange first. If using the setscrew, snug it against the key. Excessive Torque will cause mating part to be eccentric. Position mating part in place on bushing aligning drilled holes in mating part with tapped holes in bushing flange. Using lock washers, install capscrews thru the mating hub and into the bushing flange. (Note: S bushings can only be Standard Mounted. Be sure the three tapped holes in the mating hub do not align near the bushing saw cut. If they do, rotate the bushing 60 degrees.).

4. Use A Torque Wrench. Tighten all capcrews evenly and progressively in rotation to the torque value listed in the table. Excessive wrench torque, closing the gap between the bushing flange and mating hub, or the use of lubricants will break the mating hub.

To Remove Bushing:

1. Loosen and remove all capscrews.
2. For Standard Mount, thread capscrews into tapped holes in mating part to jack against bushing flange. Tighten bolts evenly and progressively in rotation to separate the two components.
3. Loosen setscrew to slide bushing from shaft.

Standard Mounting**Fig. 1**

Screw Tightening Information			
Tapered Bushing	Size & Thread of Capscrew	Torque to Apply	
		Ft-Lbs	Nm
SK	5/16-18	15	20
SF	3/8-16	30	40

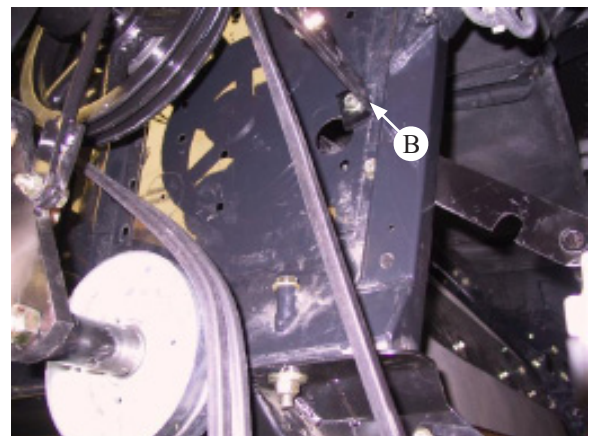
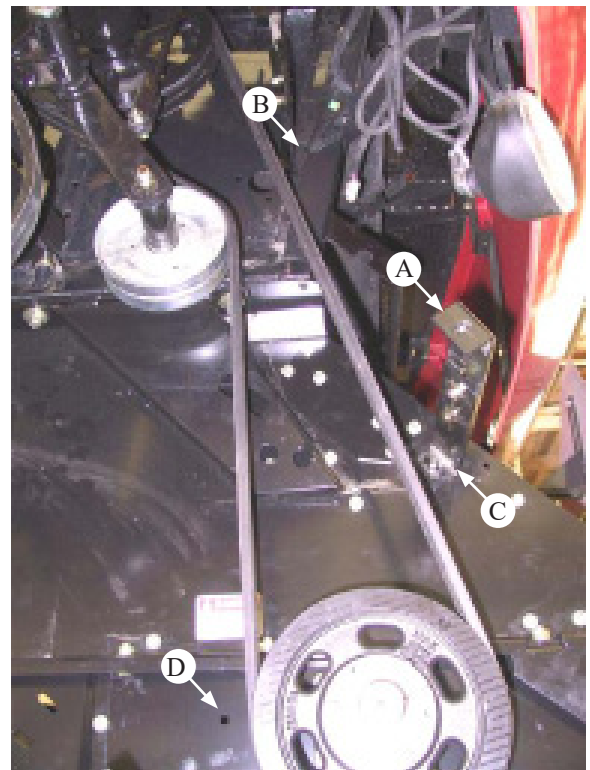
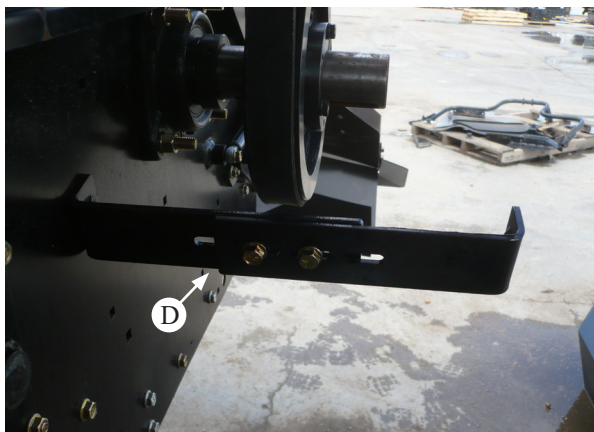
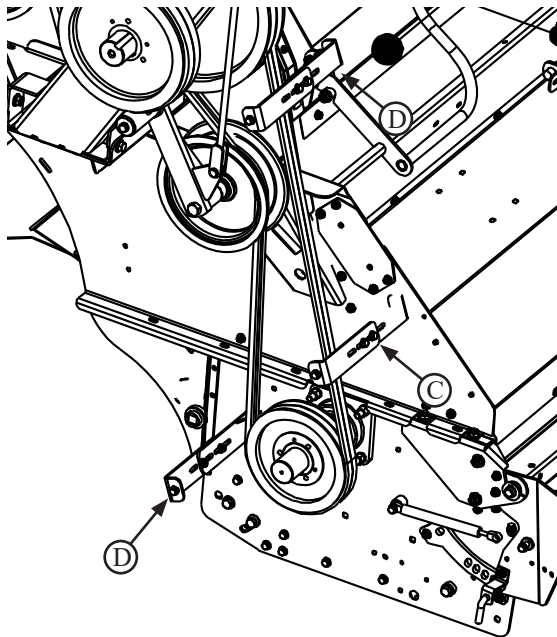
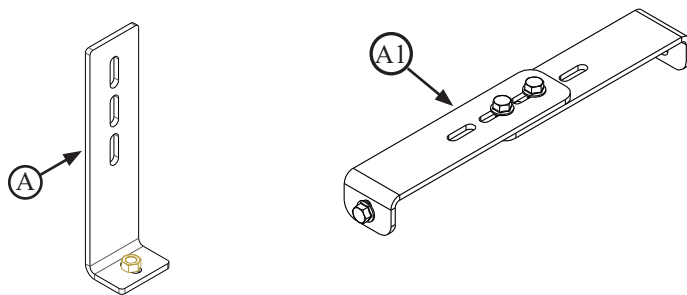
11 Drive Shield Installation

11.1 Assemble drive shield mount brackets (A) with:

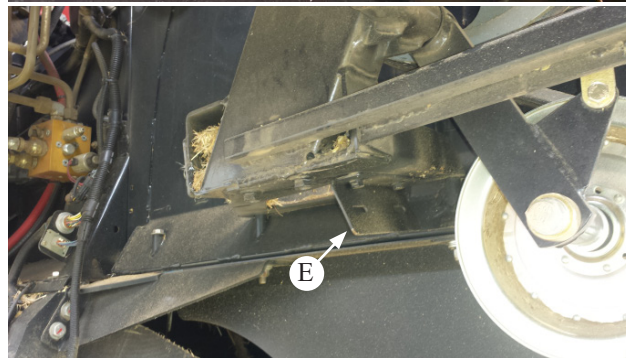
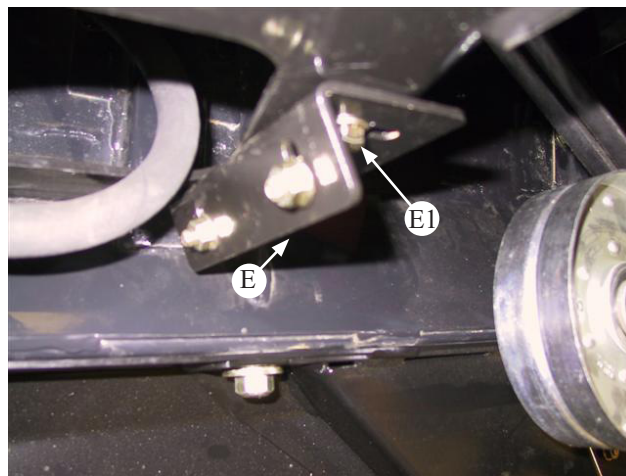
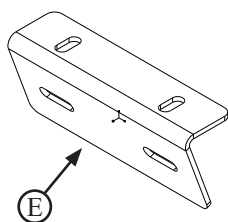
- M8 x 20 flange bolt and flange nut x6

11.2 Mount assemblies (A1) into locations (B, C, & D) with:

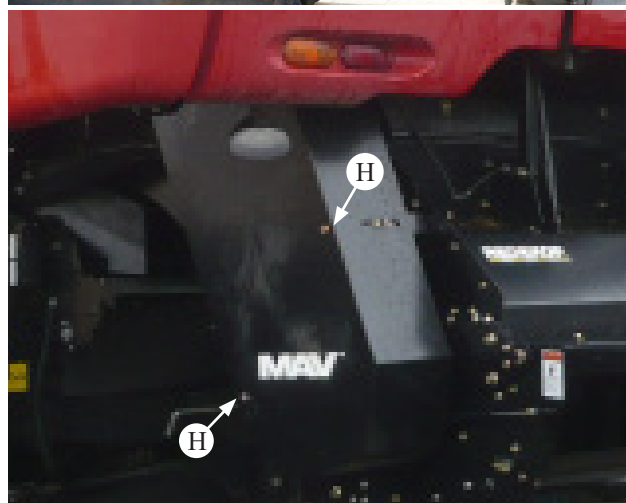
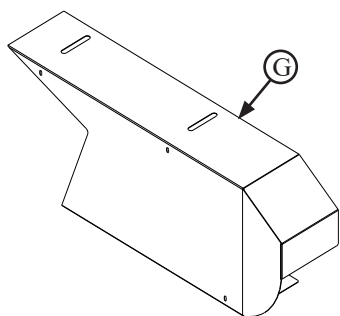
- M8 x 16 flange bolt x2
- M8 x 16 round head bolt x1
- M8 flange nut x3



11.3 Mount bracket (E) on the bottom of jackshaft lower mount bracket with:
- M8 x 16 flange bolt and flange nut (E1) x2



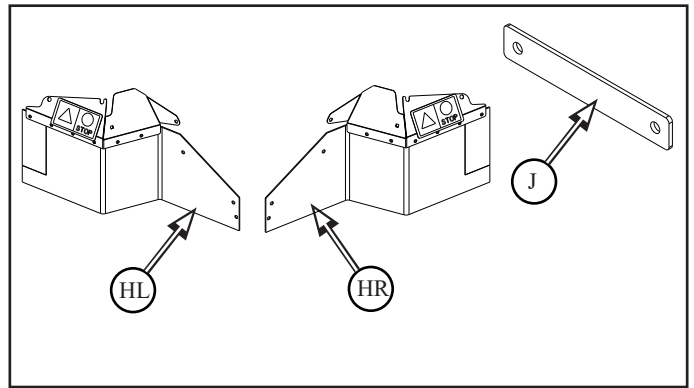
11.4 Install drive shield (G) over mounted brackets (A) and (E) with
- M8 x 16 flange bolt (H) x5



11.5 Vent Installation

Parts List:

CS957BAL Vent Left (HL)	Qty 1
CS957BAR Vent Right (HR)	Qty 1
CS959B Vent Spacer Field Install (J)	Qty 2
CS958S Vent Mount Hardware Bag	Qty 1

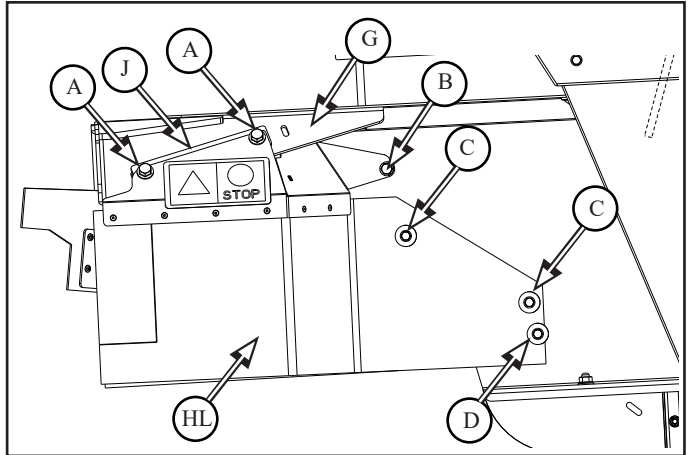


11.5.1 Drill two 1/2" holes in gusset (**G**) - use chaff vent and spacer to mark hole locations

11.5.2 Install left chaff vent (**HL**) and vent spacer (**J**) to the outside of the combine gusset with:
M12x30 Flange Bolts and Flange Nuts (**A**)
M10x20 Flange Bolt and Flange Nut (**B**)

-Bolt rubber to chopper with M8 x 25 Flange Bolt, Washer and M8 Flange Nut (**C**)

-Bolt rubber to chopper with M8 x 45 Flange Bolt, Washer and M8 Flange Nut (**D**)

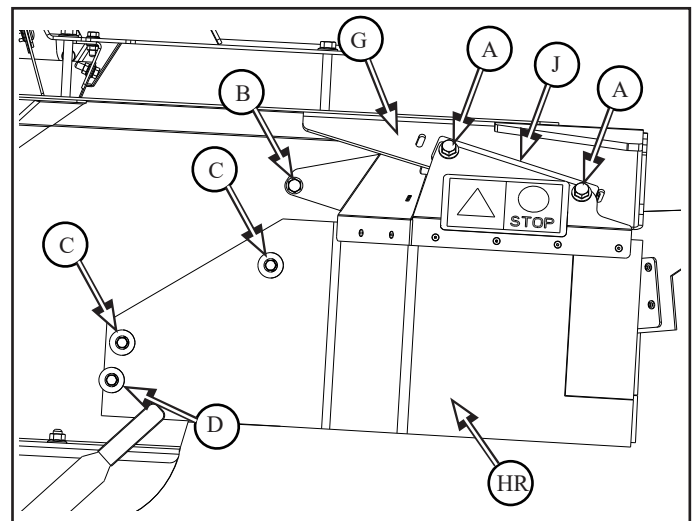


11.5.3 Drill two 1/2" holes in gusset (**G**) - use chaff vent and spacer to mark hole locations

11.5.4 Install left chaff vent (**HR**) and vent spacer (**J**) to the outside of the combine gusset with:
M12x30 Flange Bolts and Flange Nuts (**A**)
M10x20 Flange Bolt and Flange Nut (**B**)

-Bolt rubber to chopper with M8 x 25 Flange Bolt, Washer and M8 Flange Nut (**C**)

-Bolt rubber to chopper with M8 x 45 Flange Bolt, Washer and M8 Flange Nut (**D**)

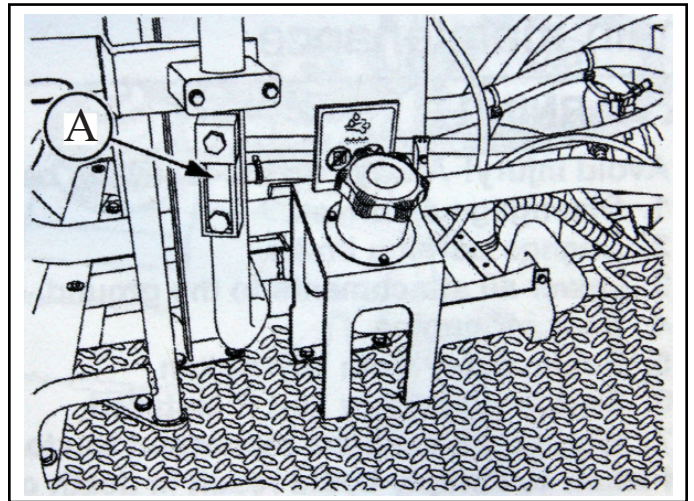


12 Hydraulic Oil Level



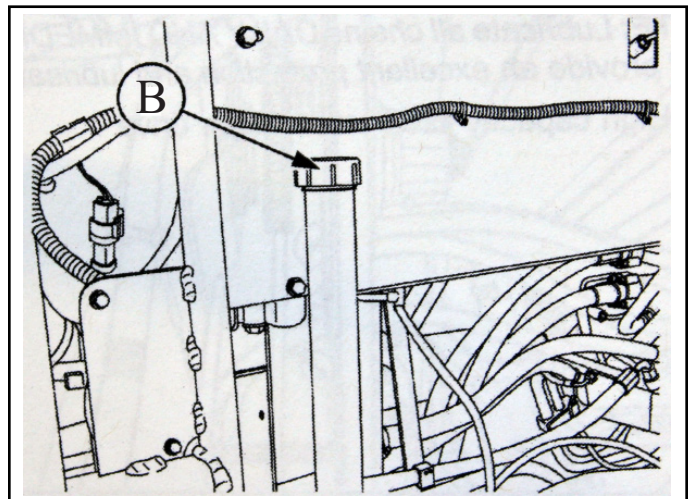
12.1 Check the hydraulic oil level before starting and moving the combine.

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.



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

Reference combine operator's manual for exact instructions





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)



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

or

Selling Dealer Name and Location: _____

Customer Name: _____

Address: _____

Country: _____

Telephone #: _____

Email: _____

Combine Model # _____

Combine Serial #

Strawchopper Serial # _____

Jackshaft Serial # _____

Date Strawchopper installed: _____

Strawchopper installed by: _____ Print: _____

Belt Tensioners set to spring indicator

Strawchopper Rotor has been rotated manually to ensure clearances: _____

Strawchopper Blades clear with the knifebar: _____

Fan Blades clear rotating through the shroud : _____

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: _____