AG SHIELD



12" Cross Auger for JD630FD (ASM Part# 405850) & JD635FD (ASM Part# 405851) & JD640FD (# 405852) JD 645FD (405853) Headers

OPERATOR'S HANDBOOK AND PARTS MANUAL

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1 INTRODUCTION AND SIGN-OFF FORM

<u>Congratulations!</u> on your choice of an Ag Shield cross auger. This equipment has been designed and manufactured to meet the harvesting needs of the discerning farmers and custom harvesters.

OPERATOR ORIENTATION - The directions left, right, front and rear, as mentioned throughout this manual, are as seen from the tractor driver's seat and facing in the normal direction of travel.

Ag Shield follows the general safety standards specified by the American Society of Agricultural Engineers (ASAE) and the Occupational Safety and Health Administration OSHA). Anyone who will be operating and/or maintaining the Ag Shield Yield Shield must read and clearly understand ALL Safety, Operating, and Maintenance information presented in this manual.

Do not operate or allow anyone else to operate this equipment until such information has been reviewed. Review this information annually before season start-up. Make these reviews of safety and operation a standard practice for all of your equipment. An untrained operator is **not qualified** to operate this machine.

A sign off sheet is provided for your record keeping to show that all personnel who will be working with the equipment have read and understood the information in the Operators Handbook and have been instructed in the operation of the equipment.

SIGN-OFF FORM

DATE	ODEDATORO CIONATURE	EMPLOYEDO CIONATURE
DATE	OPERATORS SIGNATURE	EMPLOYERS SIGNATURE

SAFETY

SAFETY ALERT SYMBOL

This Safety Alert symbol means: ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

The Safety Alert symbol identifies important safety messages on the Ag Shield Yield Shield and in the manual. When you see this symbol, be alert to the possibility of personal injury or death. Follow the instructions in the safety message.



3 Big Reasons

SIGNAL WORDS:

Note the use of the signal words **DANGER**, **WARNING** and CAUTION with the safety messages. The appropriate signal word for each message has been selected using the following guide-lines:

Accidents Disable and Kill **Accidents Cost Accidents Can Be Avoided**

DANGER -

An immediate and specific hazard which WILL result in severe personal injury or death if the proper precautions are not taken.

WARNING - A specific hazard or unsafe practice which COULD result in severe personal injury or death if proper precautions are not taken.

CAUTION -

Unsafe practices which COULD result in personal injury if proper practices are not taken, or as a reminder of good safety practices.

3.1 SAFETY OVERVIEW

YOU are responsible for the SAFE operation and maintenance of your Ag Shield cross auger. YOU must ensure that you and anyone else who is going to operate, maintain or work around the cross auger be familiar with the operating and maintenance procedures and related SAFETY information contained in this manual. This manual will take you step-by-step through your working day and alerts you to all good safety practices that should be adhered to while operating the cross auger.

Remember, **YOU** are the key to safety. Good safety practices not only protect you but also the people around you. Make these practices a working part of your safety program. Be certain that **EVERYONE** operating this equipment is familiar with the recommended operating and maintenance procedures and follows all the safety precautions. Most accidents can be prevented. Do not risk injury or death by ignoring good safety practices.

- Cross auger owners must give operating instructions to operators or employees before allowing them to operate the cross auger, and at least annually thereafter per OSHA regulation 1928.57.
- The most important safety device on this equipment is a SAFE operator. It is the operator's responsibility to read and understand ALL Safety and Operating instructions in the manual and to follow these. All accidents can be avoided.
- A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator exposes himself and bystanders to possible serious injury or death.
- Do not modify the equipment in any way.
 Unauthorized modification may impair the function and/or safety and could affect the life of the equipment.
- Think SAFETY! Work SAFELY!

3.2 GENERAL SAFETY

 Read and understand the Operator's Manual and all safety signs before operating, maintaining, adjusting the Yield Shield.



- 2. Only trained competent persons shall operate the reconditioner. An untrained operator is not qualified to operate the machine.
- 3. Have a first-aid kit available for use should the need arise and know how to use it.



4. Have a fire extinguisher available for use should the need arise and know how to use it.



2.

- 5. Do not allow riders.
- Wear appropriate protective gear. This list includes but is not limited to:



- A hard hat
- Protective shoes with slip resistant soles
- Protective glasses or goggles
- Heavy gloves
- Hearing protection
- 7. Stop the engine, place all controls in neutral, set park brake, remove ignition key and wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
- 8. Review safety related items with all personnel annually.

3.2 MAINTENANCE SAFETY

- Review the Operators Manual and all safety items before working with, maintaining or operating the Yield Shield.
- Stop the tractor engine, place all controls in neutral, set park brake, remove ignition key, wait for all moving pads to stop before servicing, adjusting, or repairing.
- Before applying pressure to a hydraulic system, make sure all components are tight and that steel lines, hoses and couplings are not damaged.
- 4. Relieve pressure from hydraulic circuit before servicing or disconnecting from tractor.
- 5. Keep hands, feet, clothing and hair away from all moving and/or rotating parts.
- Clear the area of bystanders, especially children, when carrying out any maintenance and repairs or making any adjustments.
- 7. Place stands or blocks under the frame before working beneath the machine.

3.3 HYDRAULIC SAFETY

- 1. Always place all tractor hydraulic controls in neutral before dismounting.
- 2. Make sure that all components in the hydraulic system are kept in good condition and are clean.
- 3. Replace any worn, cut, abraded, flattened or crimped hoses and steel lines.
- 4. Do not attempt any makeshift repairs to the hydraulic lines, fittings or hoses by using tape, clamps or cements. The hydraulic system operates under extremely high-pressure. Such repairs will fail suddenly and create a hazardous and unsafe condition.
- Wear proper hand and eye protection when searching for a high-pressure hydraulic leak. Use a piece of wood or cardboard as a backstop instead of hands to isolate and identify a leak.
- If injured by a concentrated high-pressure stream of hydraulic fluid, seek medical attention immediately. Serious infection or toxic reaction can develop from hydraulic fluid piercing the skin surface.

7. Before applying pressure to hydraulic system make sure that all connections are tight and that all hoses and fittings are in good condition.

3.4 SHEAR SAFETY

The operator must obey all safety labels.

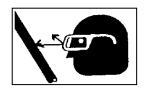
- 1. Keep operators and bystanders away from all moving parts.
- 2. Shut off tractor engine and remove key before coming close to the implement or doing any maintenance
- 3. Never service or unplug shears while they are running, a single slip and you could be badly hurt or killed.

3.5 STORAGE SAFETY

- 1. Store unit in an area away from human activity.
- Do not permit children to play on or around the stored Yield Shield.

2.2 TRANSPORT SAFETY





- Read and understand ALL the information in the Operator's Manual regarding procedures and SAFETY when operating the Yield Shield in the field and/or on the road.
- 2. Check with local authorities regarding machinery transport on public roads. Obey all applicable laws and regulations.
- 3. Always travel at a safe speed. Use caution when making corners or meeting traffic.
- 4. Make sure the SMV (Slow Moving Vehicle) emblem and all the lights and reflectors that are required by the local highway and transport authorities are in place, are clean and can be seen clearly by all overtaking and oncoming traffic. Daybreak and dusk are particularly dangerous and pilot vehicles are recommended.

- 5. Ensure that the trailer is hitched positively to the towing vehicle. Always use a safety chain between the trailer and the tractor.
- Keep to the right and yield the right-of-way to allow faster traffic to pass. Drive on the road shoulder, if permitted by law.
- 7. Always use hazard warning flashers on the Yield Shield when transporting unless prohibited by law.

3.6 REFUELING SAFETY

1. Handle fuel with care. It is highly flammable.



2. Do not refuel the machine while smoking or when near open flame or sparks.

3. Stop engine before refueling. Clean up spilled fuel before restarting engine.

3.7 TIRE SAFETY

- Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion, which may result in serious injury or death.
- 2. Do not attempt to mount a tire unless you have the proper equipment and experience to do the job.
- 3. Have a qualified tire dealer or repair service perform required tire maintenance.
- 4. Operate the tires at the pressures, loads, and speeds suggested by the manufacturer.

3.8 OPERATING SAFETY

- 1. Read and understand the Operator's Manual and all safety signs before using.
- Stop engine place all controls in neutral, set park brake, remove ignition key, wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.
- Before conditioning a field, be familiar with all potential hazards: trees, rocks ditches, gullies, etc. Plan your route to avoid hazards. Keep Yield Shield width in mind when maneuvering to avoid obstacles.

- Keep hands, feet, hair and clothing away from all moving and/or rotating parts.
- 5. Keep all shields and guards in place when operating.
- 6. Do not allow riders on the Yield Shield or tractor during operation or transporting.
- 7. Clear the area of all bystanders, especially children, before starting.
- 8. Stay away from machine when folding deflectors. Keep others away.
- 9. Before applying pressure to the hydraulic system, make sure all components are tight and that steel lines, hoses and couplings are not damaged.
- 10. Review safety instructions annually

3.9 CROSS AUGER SAFETY

The cross auger has sufficient power to sever limbs and cause serious to fatal injury. Always stop the cross auger before dismounting. Always be certain that no one is in front of combine header Shield before engaging the auger drive.

When greasing the auger, do so with the combine motor shut off and the park brake securely set.

Never attempt to help the crop move along the canvases with a wrench or other item that might get into the auger and draw the wrench holder into the auger.

3.10 SAFETY DECALS

Become familiar with these decals and the hazards they are marking.



MOVING PART HAZARD

To prevent serious injury or death from moving parts:

- Close and secure guards and shields before starting.
- Keep hand, feet, hair and clothing away from moving parts.
- Disconnect and lockout power source before adjusting or servicing.
- Do not stand or climb on machine when operating.

SW404

part #113522





WARNING

HIGH-PRESSURE FLUID HAZARD

To prevent serious injury or death:

- Relieve pressure on hydraulic system before servicing or disconnecting hoses.
- Wear proper hand and eye protection when searching for leaks. Use wood or cardboard instead of hands.
- Keep all components in good repair.

Te

4 Setup from Shipping Mode

- 1. Take the template and go to the RH side of header and drill holes
- 2. Using the same template, go to the LH side of header and drill holes.
- 3. Mount the motor to the RH end mount as shown. (DO NOT FINAL TIGHTEN)
- 4. Mount the RH end mount onto the auger as shown (DO NOT FINAL TIGHTEN)
- 5. Mount the LH end mount to the header (DO NOT FINAL TIGHTEN)
- 6. Remove the Torx bolts from the center of the header
- 7. Mount the two center weldments using the holes in the header.
- 8. Place the middle hanger bracket in between the two weldments and bolt together. (do not final tighten)
- 9. Mount the center bearing hanger to the center hanger bracket.
- 10. Slide the direct drive over the motor at the RH end
- 11. Put pillow block and sprocket onto both LH and RH augers and tighten the sprocket as shown.
- 12. Hang RH auger in center but leave loose
- 13. Hang LH auger in center but leave loose
- 14. Go to RH end of the RH auger and mount the direct drive to the auger as shown.
- 15. Place the LH end of the LH auger into the hole in the end mount as shown.
- 16. Mount the two bolt flange onto the LH end mound and the shaft of the auger do not final tighten
- 17. place the chain coupler onto the sprockets for the center of the auger as shown
- 18. Before final tighten in center ensure there is a 1/4 gap from the flighting to the back board of the header.
- 19. Tighten the pillow blocks in the center but do not lock the collars of the pillow block.
- 20. Go to LH end and tighten the End mount and flange bearing, tighten lock collar
- 21. Go to RH end and tighten the mount and motor and direct drive
- 22. Go to center and lock the lock collars.
- 23. Loosen pillow block in center and add plastic as shown.
- 24. Install hydraulic hoses below to tie into canvas hydraulic circuit. The pressure line from the canvas motor port is installed to the forward port of the motor. The oil will take the long way around the mount, and exit into the short return hose that connects to the former canvas motor return hose.
- 25. Test direction of rotation to be down on the front of the auger, and set speed of the canvas, and use the flow control supplied to set the auger speed to be 5% or slightly greater than the canvases.

See Section 7 PARTS for more detailed parts breakdown.

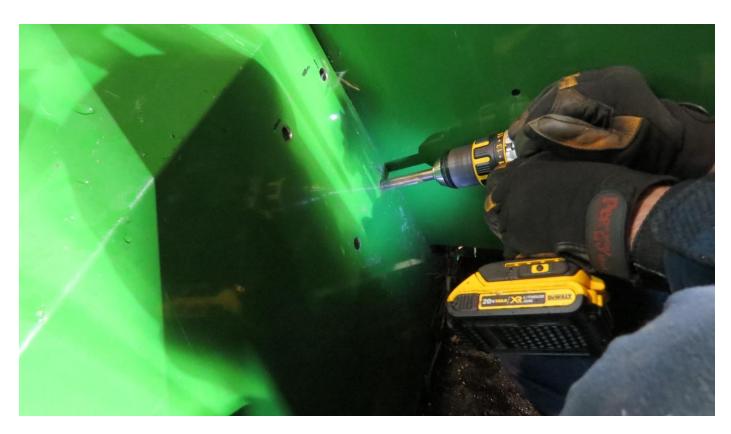


FIGURE 1 JD635FD INSTALLED

INSTALLATION



- 1) Place the template (408407) tight against the back board of the header and tight against the inside wall.
 2) Mark the holes using a marker and drill all 4 holes using a 1/2" drill bit.
- 3) Using the same template repeat the steps for the LH end of the header





- 4) Mount the motor(117170) to the LH end mount 408370 as shown.
- There is a detailed parts list on page 26 5) Final tighten only the 1/4" x 4" bolt from the direct drive to the motor shaft.



6) Mount the RH end mount (408370) onto the header as shown. DO NOT FINAL TIGHTEN.



7) Mount the LH end mount (408368) using the ½ x 1" bolts to the header.Do not final tighten



8) Remove the Torx bolts from the center of the header.(JD630FD-635FD)



9) Install the center bearing hanger brackets (408399) using the torx bolts that were removed in the previous step.(JD 630FD-635FD) $\,$



10) Install the center mount (408384) inbetween the two bearing hanger brackets. Using the $3/8 \times 1-1/2$ "bolts.(JD630FD-635FD)



12) Install the center bearing hanger (408406) using the $\frac{1}{2}$ x 1-1/2 bolts.But do not final tighten(JD630FD-635FD)



13) Put the pillow block bearing (114471) and sprocket(100702) onto both augers. align sprocket with key way and tighten the sprocket to the shaft making sure that the sprocket is flush with the face of the shaft.



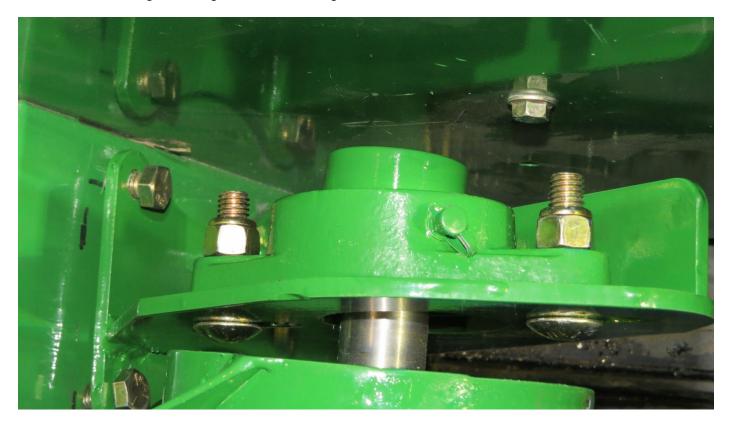
14) Hang the RH auger (408363) using the 5/8 x 2-1/4" carriage bolts in the center but leave lose



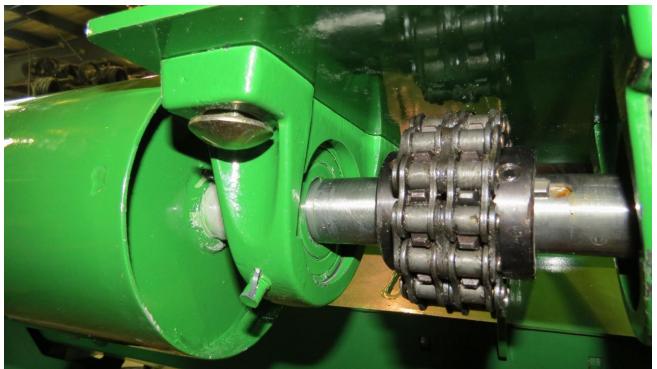
15) Hang the LH auger (408360) using the $5/8 \times 2-1/4$ " bolts on the center mount and leave lose.



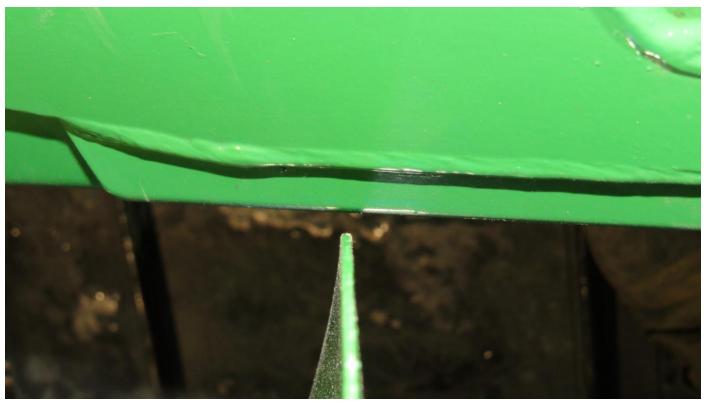
16) Mount the RH end of the RH auger onto the direct drive (407105) using the 3/8 x 1-1/4 bolts and 3/8 lock washers. Tighten snug but do not final tighten.



17) Go the the LH end and slide the auger shaft through the end mount hole, Mount the flange bearing (114483) onto the shaft and bolt it to the end mount. Using the $\frac{1}{2}$ x 2 carriage bolt tighten snug but do not final tighten.



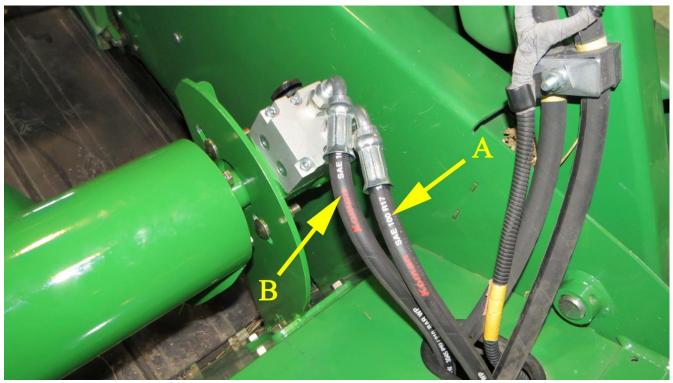
18) Tighten the center of both augers but do not final tighten, Put on the chain coupler(114469) to join the augers



19) Before final tighten make sure there is 1/4 " of clearance from the flighting to the back board of the header.

- 20) Tighten all end mounts and bearings once 1/4 of clearance is acheived.21) DO NOT TIGHTEN LOCK COLLARS ON CENTER UNTIL THE LH END COLLAR IS DONE.

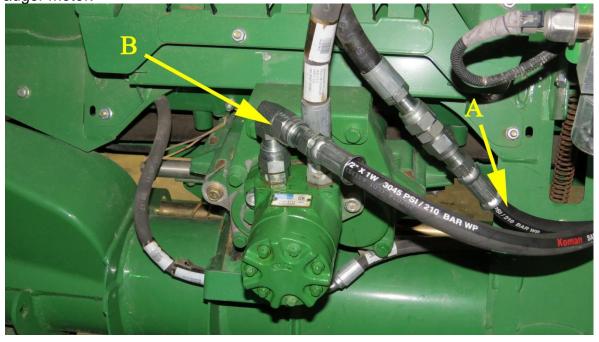
5.1 HYDRAULIC MOTOR SET UP



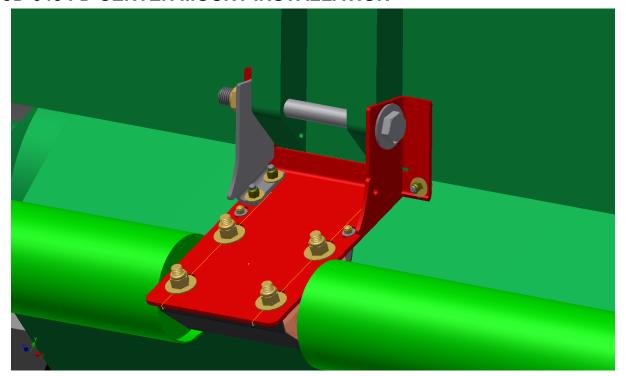
Remove the return line from the RH canvas motor.

Mount hyd line B to the return port on the canvas motor and then mount the same line on the intake port on the motor.

Mount Line A into the return line from the canvas motor. Mount Line A into the return port on the auger motor.

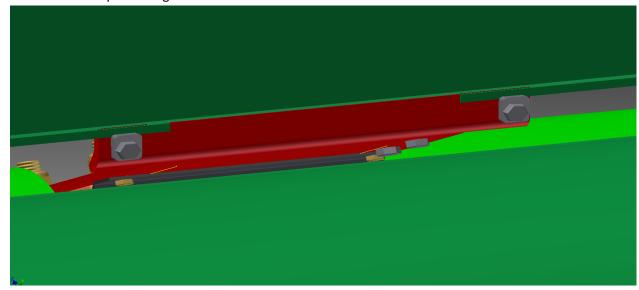


5.2 JD 640 FD CENTER MOUNT INSTALLATION



JD640FD has a center reel mount in the middle of the header. The reel mount arm is held in place with a 1" pin. The red piece shown in the picture above will be green. As well as the grey piece as well.

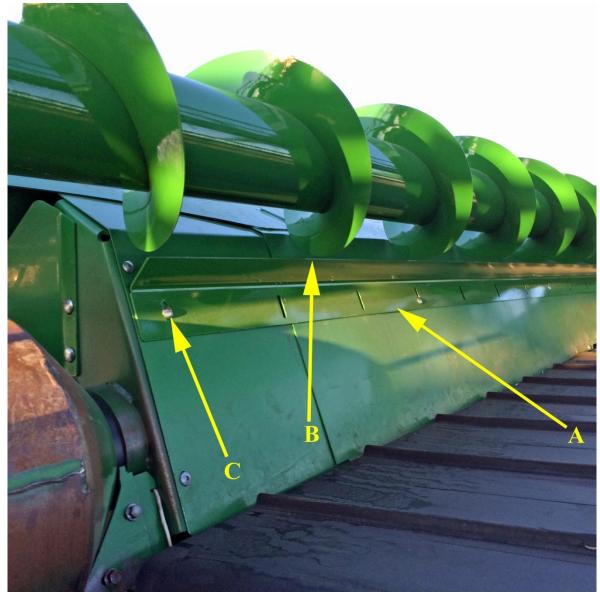
- 1) Undo the bolt that is holding the pin in place for the center reel mount
- 2) Begin to pound out the pin until the "red part 408476" can slide in place.
- 3) Pound the pin back to original spot but not all the way, just enough so that the pin holds the red piece in place. If the pin is to short, use the 1" bolt provided in the kit.
- 4) Slide the "grey piece 408489" over the 1" pin and bolt it to the red part using the 3/8" bolts.
- 5) Put bolt back into pin and tighten bolt.



This is a view from behind the header. The two small grey tabs shown will keep the center mount from trying to lift up. The hole is cut off center to allow a different length each 90 degrees of rotation. These tabs will mount through the "red piece" and the small over hang from the header.

5.3 STRIPPER BAR INSTALLATION

- 1) All Ag Shield augers now come with a stripper bar to help prevent crop from wrapping on the auger, as well as to provide a cleaner transfer of crop to the center of the header.
- 2) Put the stripper bar on last after the auger has been installed and tested. This will ensure the height of the auger does not change after the stripper bar height has been set.



Hold stripper bar up to the back board and mark the holes in the middle of the slot (every second hole will be fine)

A magnet will help hold one end if installing alone.

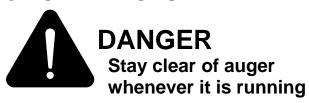
Make sure before drilling that the drill will not damage anything behind the back board (hyd fittings hoses etc)

Drill 3/8" holes in the middle of the slot in the back board.

Set the stripper bar to be ¼" below the flighting.

Tighten the stripper bar to the back board.

6 OPERATIONS



6.1 FIELD SETTING THE CROSS AUGER

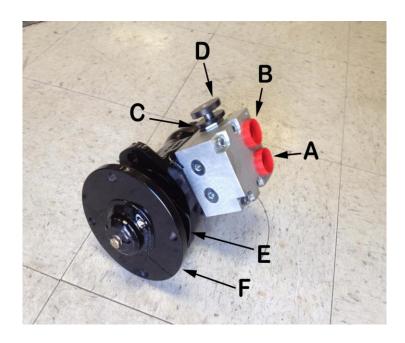


FIGURE 2 SAUER MOTOR SPEED CONTROL

Cross augers can only be adjusted for speed of rotation. In many conditions, the correct speed for many crops would be to have the flighting advancing the crop along the canvas 5% or slightly faster than the canvas speed. To increase auger speed, loosen lock wheel A counterclockwise, rotate adjust valve C clockwise, relock the valve by turning A clockwise. Closing this valve reduces the bypass of oil around the hydraulic motor. To slow down the rpm of the auger, rotate adjust valve C counterclockwise.

Observe the auger from the combine cab or swather operating platform. Focus your eye on one auger flighting and compare to a particular canvas slat. The auger can be adjusted to run at the same rate in feet per minute. As desired, slightly increase the cross auger to have it pulling ahead faster than the canvas.

In peas, augers can often be operated at a very slow speed--- 30% of canvas speed, and still feed as much crop into combine. When augers turn slower, there are fewer tendencies to wrap.

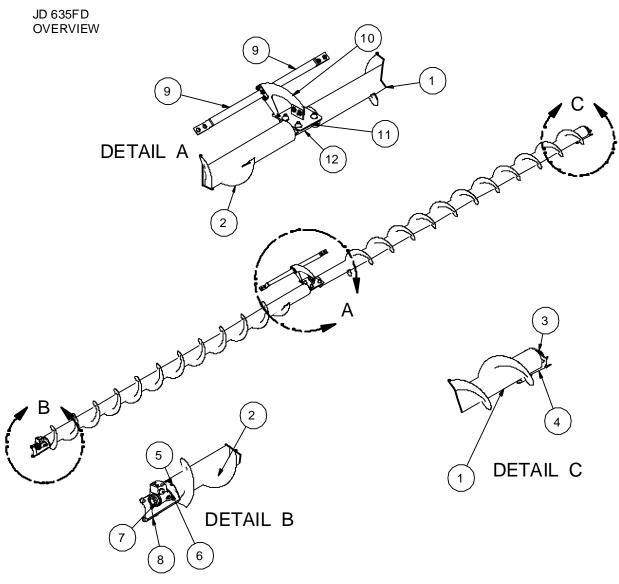
If wrapping occurs at the center of the header, try removing one or both of the bolts on paddles – In some conditions the paddles are an advantage, in some conditions the paddles are a disadvantage.

Terminology

- A: Return or tank line
- B: Pressure line
- C: Lock wheel
- **D**: Auger speed adjustment
- **E**: Shim for hydraulic motor mount
- F: Direct driver motor adapter

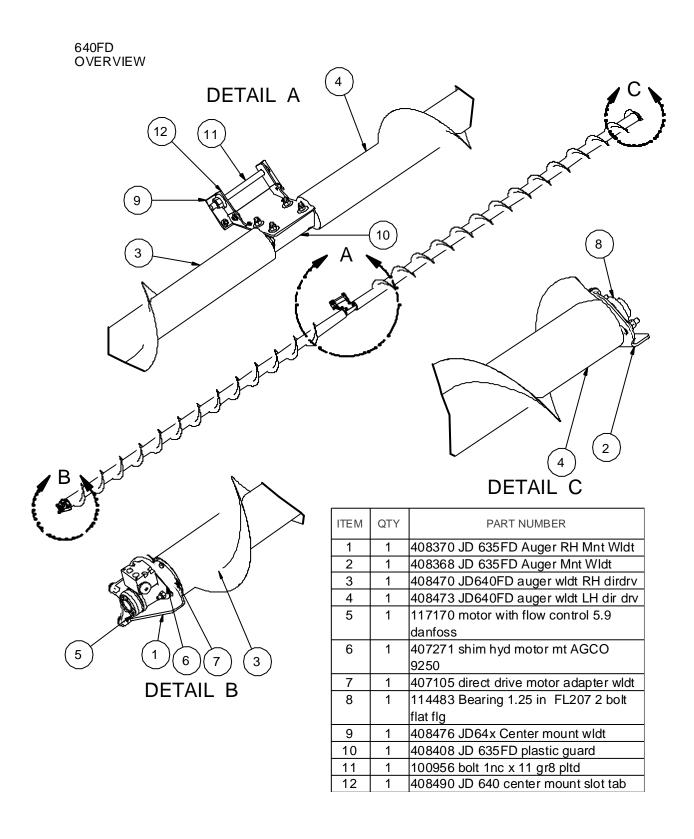
7 PARTS

7.1 405850 JD630FD & 405851 JD635FD AUGER PARTS OVERVIEW



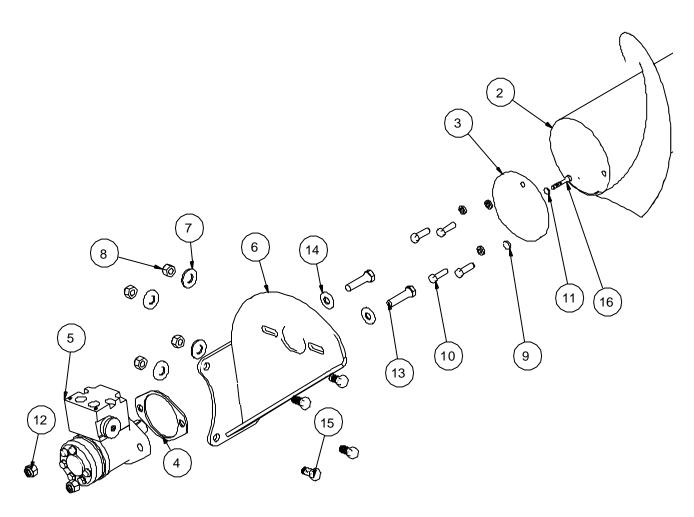
ITEM	QTY	PART NUMBER	ITEM	QTY	PART NUMBER
1	1	408360 JD635FD auger wldt LH dir drv	7	1	117170 motor with flow control 5.9
2	1	408363 JD635FD auger wldt RH dirdrv			danfoss
3	1	114483 Bearing 1.25 in FL207 2 bolt	8	1	408370 JD 635FD Auger RH Mnt Wldt
		flat flg	9	2	408399 JD635FD center mount tube
4	1	408368 JD 635FD Auger Mnt Wldt	10	1	408384 JD 635 FD center hanger
5	1	407105 direct drive motor adapter wldt			bracket
6	1	407271 shim hyd motor mt AGCO	11	1	408406 JD 635 FD CENTER BRNG
		9250			WLDT
			12	1	408408 JD 635FD plastic guard

7.2 405852-405853 JD640FD 645FD-AUGER PARTS OVERVIEW



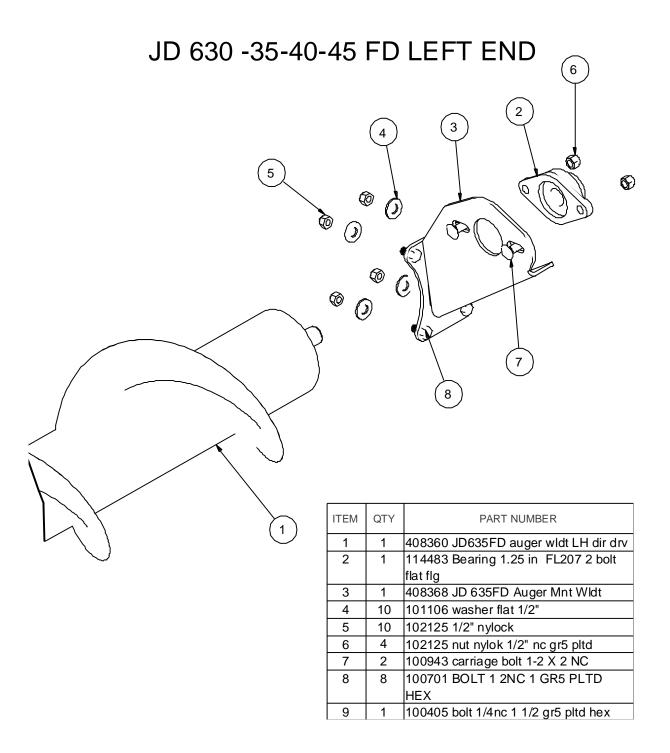
7.3 FD SERIES RIGHT END DIRECT DRIVE

405851 JD 635-40-45 FD RH END PARTS



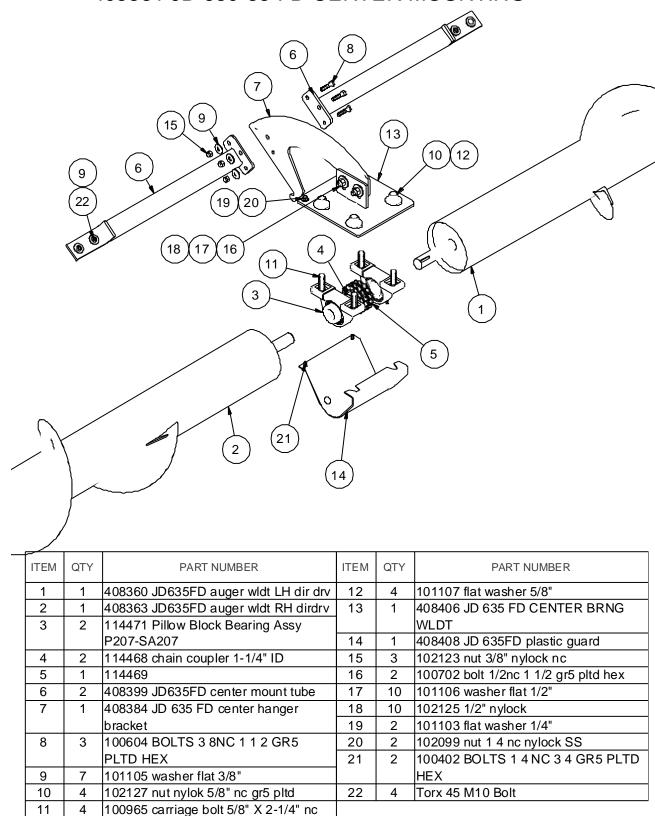
ITEM	QTY	PART NUMBER	ITEM	QTY	PART NUMBER
1	1	JD 635FD Header	9	4	101145 washer lock 3/8"
2	1	408363 JD635FD auger wldt RH dirdrv	10	4	100603 bolt 3 8NCx1 1 4 gr5 hex pltd
3	1	407105 direct drive motor adapter wldt	11	1	101144 washer lock 1/4
4	1	407271 shim hyd motor mt AGCO	12	4	102125 nut nylok 1/2" nc gr5 pltd
		9250	13	2	100703 bolt 1-2 X 2 gr5 pltd nc
5	1	117170 motor with flow control 5.9	14	2	101106 flat washer 1/2"
		danfoss	15	8	100701 BOLT 1 2NC 1 GR5 PLTD
6	1	408370 JD 635FD Auger RH Mnt Wldt			HEX
7	10	101106 washer flat 1/2"	16	1	100405 bolt 1/4nc 1 1/2 gr5 pltd hex
8	10	102125 1/2" nylock			

7.4 LEFT END MOUNT- ALL MODELS



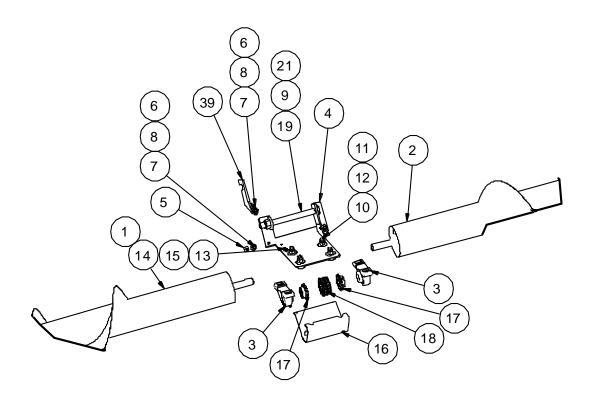
7.5 CENTER MOUNT FOR MODEL 635-630FD

405851 JD 630-35 FD CENTER MOUNTING



7.6 CENTER MOUNT FOR MODEL 640FD-645FD

CENTER MOUNT FOR JD640-645FD



ITEM	QTY	PART NUMBER	ITEM	QTY	PART NUMBER
1	1	408470 JD640FD auger wldt RH dirdrv	13	2	100402 BOLTS 1 4 NC 3 4 GR5 PLTD
2	1	408473 JD640FD auger wldt LH dir drv			HEX
3	2	114471 Pillow Block Bearing Assy	14	2	101103 flat washer 1/4"
		P207-SA207	15	2	102099 nut 1 4 nc nylock SS
4	1	408476 JD64x Center mount wldt	16	1	408408 JD 635FD plastic guard
5	2	408488 center mount lock plas	17	2	114468 chain coupler 1-1/4" ID
6	4	101105 washer flat 3/8"	18	1	114469
7	8	100603 bolt 3 8NCx1 1 4 gr5 hex pltd	19	1	100956 bolt 1nc x 11 gr8 pltd
8	4	102123 nut 3/8" nylock nc	21	1	102140 NUT 1 NC NY LOCK
9	4	101110 1 Inch Flat Washer	39	1	408489 JD 6xxFD center tab mount
10	4	100965 carriage bolt 5/8" X 2-1/4" nc	40	1	408500 JD 6XXFD hyd hose
11	4	101107 washer flat 5/8"	41	1	408501 JD 6XXFD hyd hose
12	4	102127 nut 5/8 nc nylock	42	1	408453 Stripper Bar Kit 40ft Augers
					GREEN

8 WARRANTY

- Ag Shield Manufacturing warrants each new Ag Shield reconditioner to be free from factory defects in material and workmanship under normal use and service, when set up and operated in accordance with factory instructions for one year from the date of delivery to the original purchaser.
- 2. Ag Shield's obligation under this warranty is limited to the supplying of replacement parts which are defective due to factory workmanship or material.
- 3. Your Ag Shield Dealer is responsible for providing warranty labour. Credit for required labour is specifically agreed to on an individual case basis.
- 4. The warranty is void on any unit which has been tampered with, or modified in any way not authorized in writing by the factory.
- 5. This warranty is void on any unit which is subject to misuse, negligence or accident, or which has had the serial number tampered or removed.
- 6. A "Warranty Claim Form" (sample at end of handbook) must be submitted to Ag Shield with returned parts in order for parts to be considered for warranty examination.
- 7. A warranty registration page from the front of this manual must be returned to the factory in order to qualify for warranty examination.
- 8. All returned parts must be sent to the factory freight prepaid, and warranty parts will be returned to you freight collect.
- 9. Replacement parts shipped pending receipt of parts for examination will be invoiced, and remain on your account until such time as examination indicates that a credit for those parts be issued or that payment is due.
- 10. Parts not returned for warranty examination within 30 days must be paid for at that time. Ag Shield will immediately reimburse any cash paid for items that are later determined defective.
- 11. Warranty terms and conditions are subject to provincial and state legislation.

WARRANTY CLAIM FORM

Dealer				Box 9	Ag Shield Mfg Box 9, Benito, MB, R0L 0C0 ph 800-561-0132 fax 204-539-2130 ph 204-539-2000i		End User			
Address				ph 80 fax 20			Address			
City		\$tate/Province	Zip/Postal	_ p.: 20 * 666 2666		City	City State/Province			
DATE OF SAL	-E	DATE FAILED	REPAIR DA	ATE	ACRES/HOURS	MODE	EL	SERIAL NUMB	ER	
LABOUR HOURS LABOUR RATE		LABOUR AI				RETURNED TO BENITO MB FREIGHT PREPAID TO E WARRANTY. DATE SHIPPED				
QUANTITY ITEM	PART NUMBER			PRICE EACH			DESCRIBE THE CAUSE OF FAILURE AND CORRECTIVE ACTION TAKEN			
1										
2										
3										
5										
6					+					
7										
8										
I CERTIFY THAT THE INFORMATION IS ACCURATE AND THAT THE PARTS WERE REPLACED ON THE MACHINE			PARTS		DATE PA	RTS RECD	RECD BY			
				LABOUR		ITEMS	TO SUPPLIERS			

ITEM					
ITEM	1				