



Operator's Manual

(SN17001-17999)

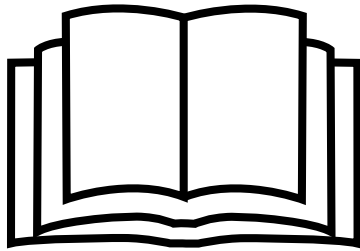
Model HC1010
Hillco Flex Harrow
60', 72' & 84'

D-170412CMA01

Safety Labels

Familiarize yourself with the location of all safety labels. Read them carefully to understand the safe operation of your machine.

READ OPERATOR'S MANUAL SYMBOL



Decals, which display the Read Operator's Manual symbol, are intended to direct the operator to the Operator's Manual for further information regarding maintenance, adjustments and/or procedures for particular areas of the Leveling System. When a decal displays this symbol refer to the Operator's Manual for further instructions.

TO APPLY NEW OR REPLACEMENT LABELS

1. Make sure the label area is smooth by removing any debris such as dirt or old labels.
2. Wash the area with soap and water and then dry it thoroughly.
3. After the area has completely dried, peel the backing off the safety label and place it onto the cleaned area.
4. Make sure all areas of the label have adhered to the machine by pressing down on the entire face of the label, including the corners.

! WARNING

IMPLEMENT CONTROL HAZARD

1. Do not tow at speeds over 20 mph.
2. The towing vehicle must weigh at least 2/3 the weight of this implement. Refer to Operator's Manual for more information.

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH

155678



! WARNING

SAFETY STOP ON LIFT CYLINDERS

1. USE SAFETY STOPS ON LIFT CYLINDERS (A) WHEN IN TRANSPORT MODE.
2. STORE SAFETY STOPS ON SWING ARMS (B) WHEN IN FIELD MODE.

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH

155681



! WARNING

SAFETY STOP ON WING CYLINDERS

1. USE SAFETY STOPS ON WING CYLINDERS (A) WHEN IN TRANSPORT MODE.
2. STORE SAFETY STOPS ON WHEEL PIVOT MOUNT (B) WHEN IN FIELD MODE.

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH

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Connecting to the Harrow

1. Before connecting the harrow cart to the tractor, raise or lower the jack to the proper height.
2. Back the tractor to the tongue and install the hitch pin. Note: Be sure to use a high strength, appropriately sized hitch pin with a mechanical retainer.
3. Connect the safety chain to the drawbar support or the frame of the tractor or tow vehicle.
4. Connect the hydraulic hoses to the tractor. Note: The $\frac{1}{2}$ " hoses connect to the lift cylinders and the $\frac{1}{4}$ " hoses connect to the wing cylinders.
5. Lower the jack, remove the pin and rotate it out of the way and reinstall the pin.

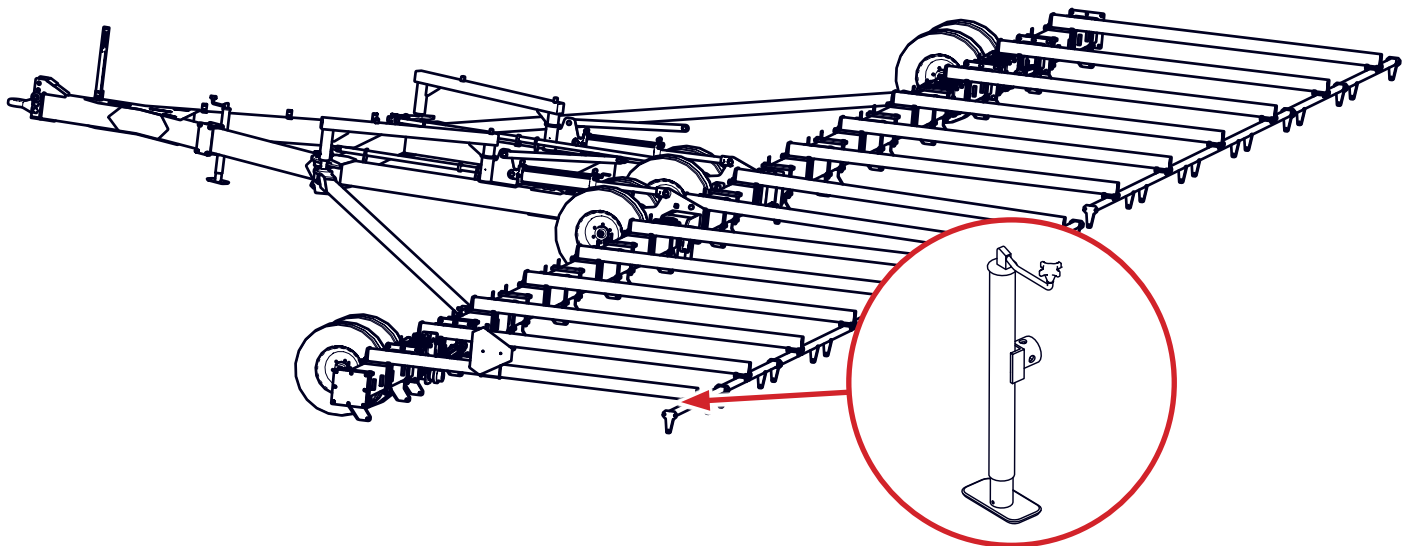
Disconnecting from the Harrow

1. Disconnect from the harrow on a hard level surface. If on a incline, it may be necessary to place blocking in front and behind the tires.
2. Make sure that all safety stops are in place on the lift and the wing cylinders.
3. Remove the pin and rotate the jack down and reinstall the pin.
4. Remove the hydraulic hoses and stow them in the hose hanger.
5. Remove the safety chain and the hitch pin.



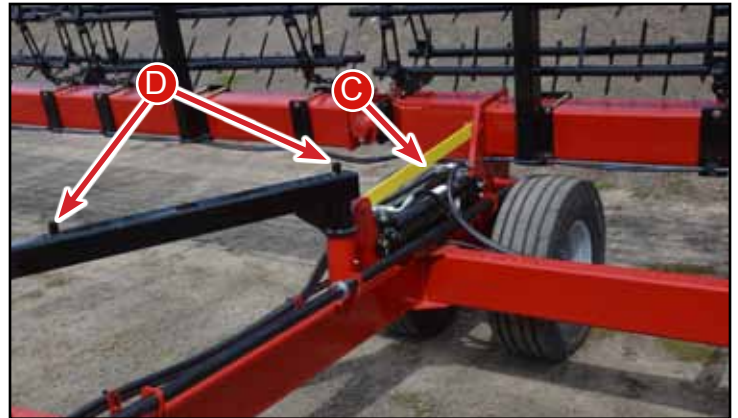
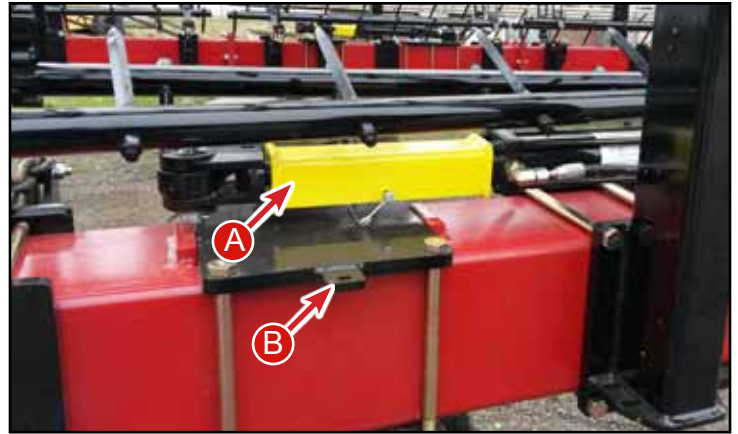
IMPORTANT

If the harrow is in the field position when connecting or disconnecting, be sure to move the jack to the jack ring that is located on the left end lift arm. The harrow is light on the tongue when in this position and will lift up until the lift arms make contact with the ground unless the jack is moved to this position.



Transport to Field Position

1. Remove the safety stops from the wing cylinders (A) and pin them to the tab (B).
2. Remove the safety stops from the pins above the lift cylinders (C) and pin them to the top of the swing arms (D).



3. Rotate the wing wheels to approximately 45°.
4. Slowly back up until the pull arm pin makes contact with the latching pocket. As you back up, be sure the wings open evenly.
5. After the pull arms pins have made contact with the latching pocket, finish rotating the wing wheels so they are pointed the same direction as the cart tires (F).



6. Rotate the harrows rearward until the lock arm fully engages the pull tube (A) and locks into place. **IMPORTANT!** Be sure to visually check that the lock arm has fully engaged the pull arm pin before driving forward.
7. Drive forward slowly and lower the harrow into the field position.



Field to Transport Position

1. Rotate the harrows to the upright position until the cylinders bottom out.
2. Rotate the wing wheels so they are parallel with the wing beams.
3. Slowly drive the unit forward until the wings are straight back behind the cart.
4. Install the safety stops to the pins above the lift cylinders and pin into place (A).
5. Install the safety stops on the wing cylinder and pin into place (B).
6. Inspect the two front and the first harrow sections and make sure that they are lying properly so the harrow sections won't bind when turning corners.

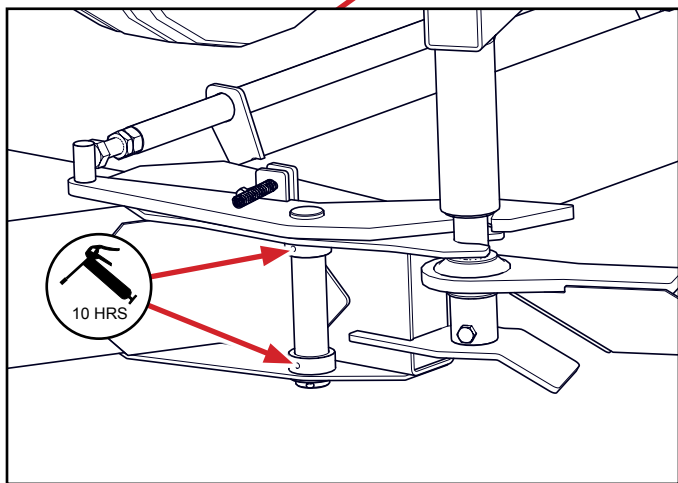
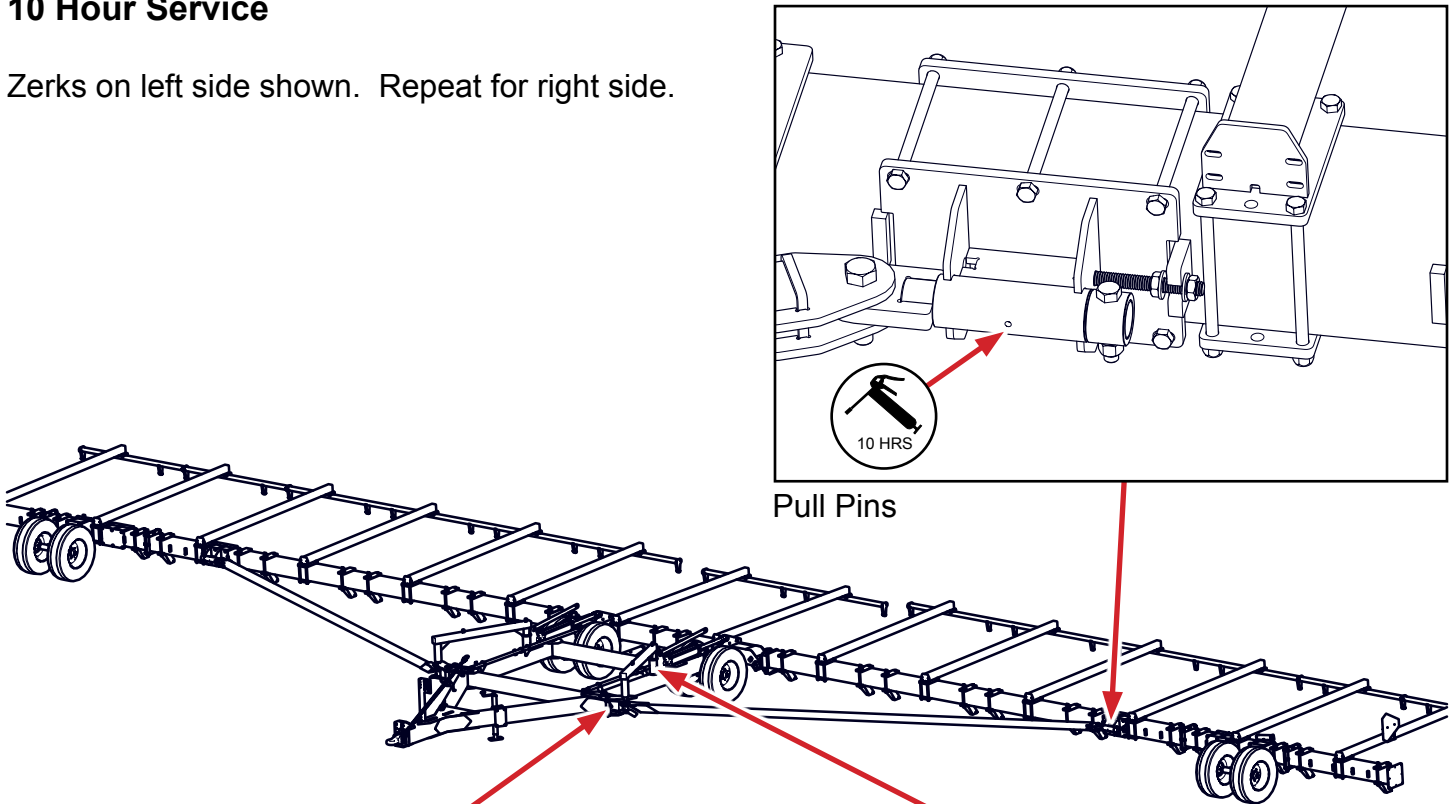


Maintenance and Service Schedule

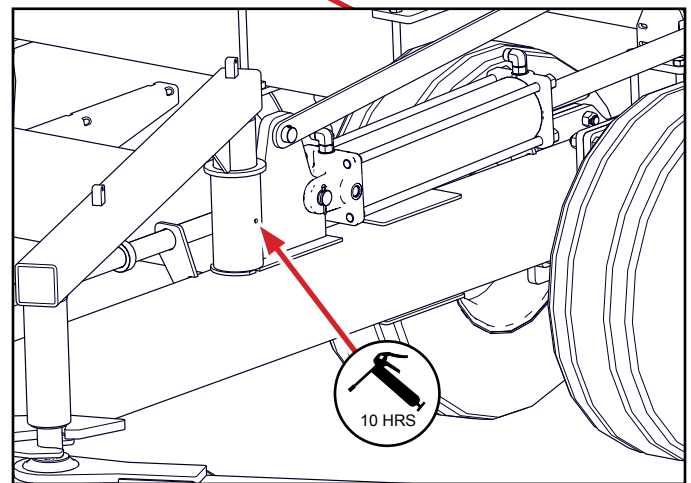
Prior to each use, check for loose bolts and replace lost or worn parts.

10 Hour Service

Zerks on left side shown. Repeat for right side.



Latching Mechanism (2 per side)

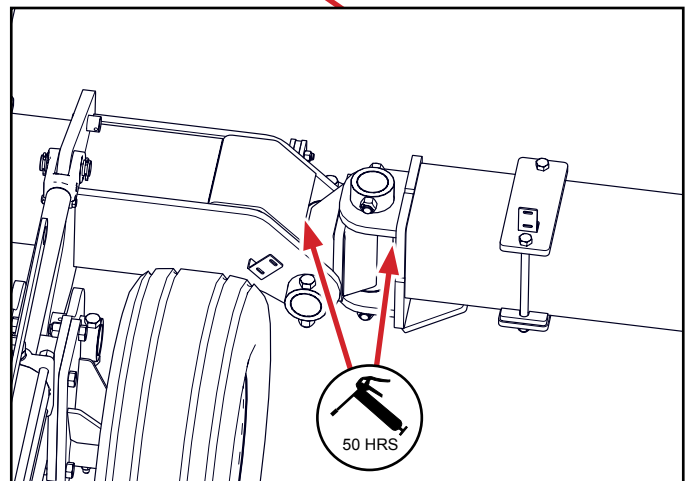
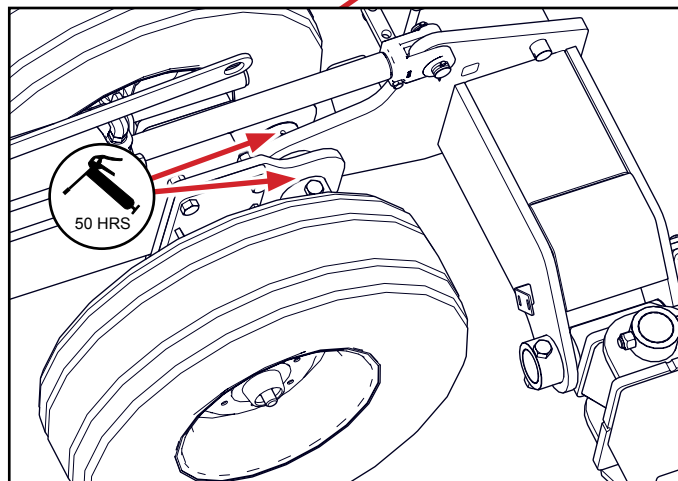
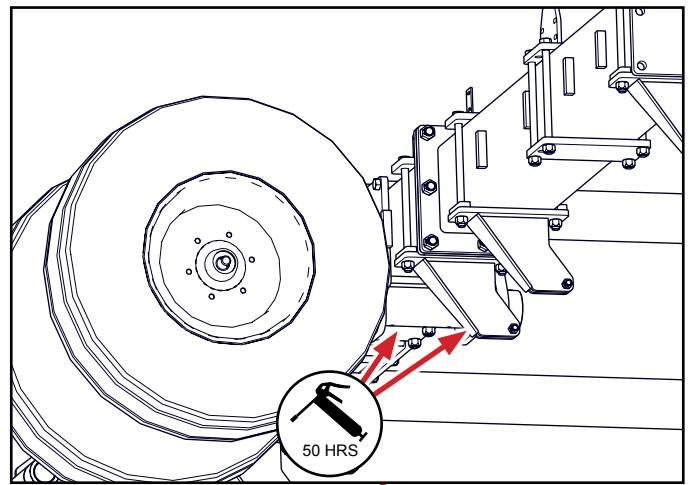
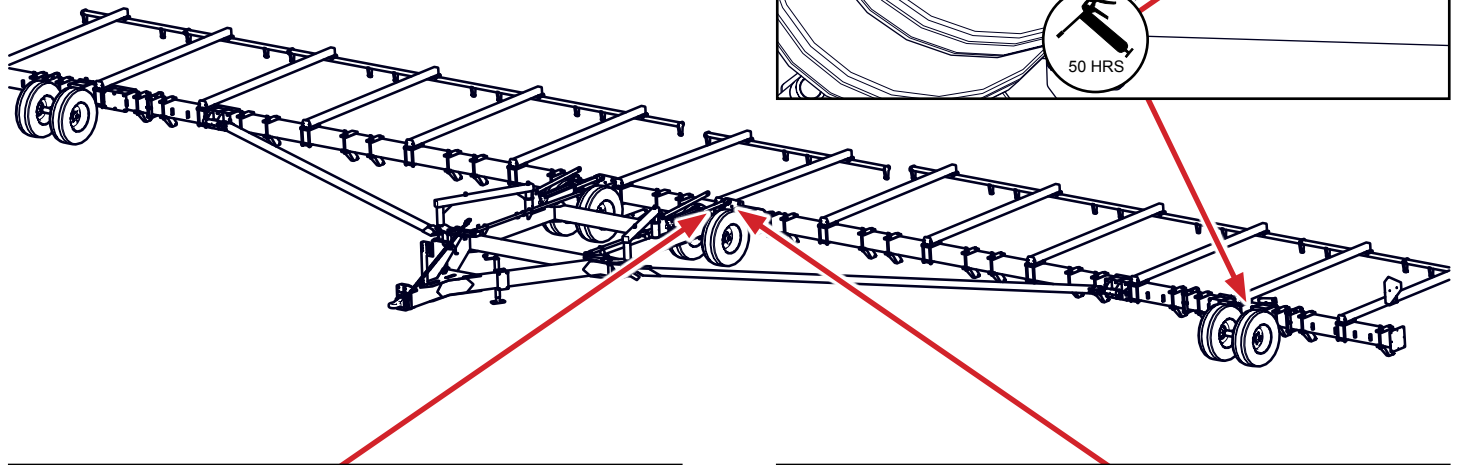


Swing Arm Pivots

50 Hour Service

Zerks on left side shown. Repeat for right side.

Wing Wheel Pivots (2 per side)

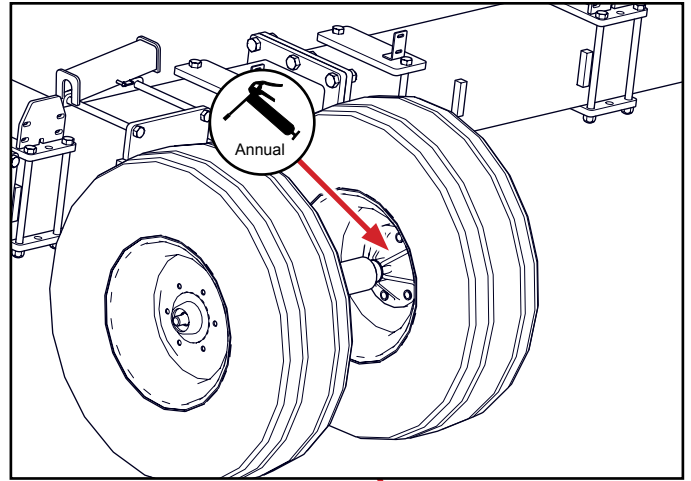


Center Section Cylinder Mounts (2 per side)
Access to these zerks is easiest in field position.

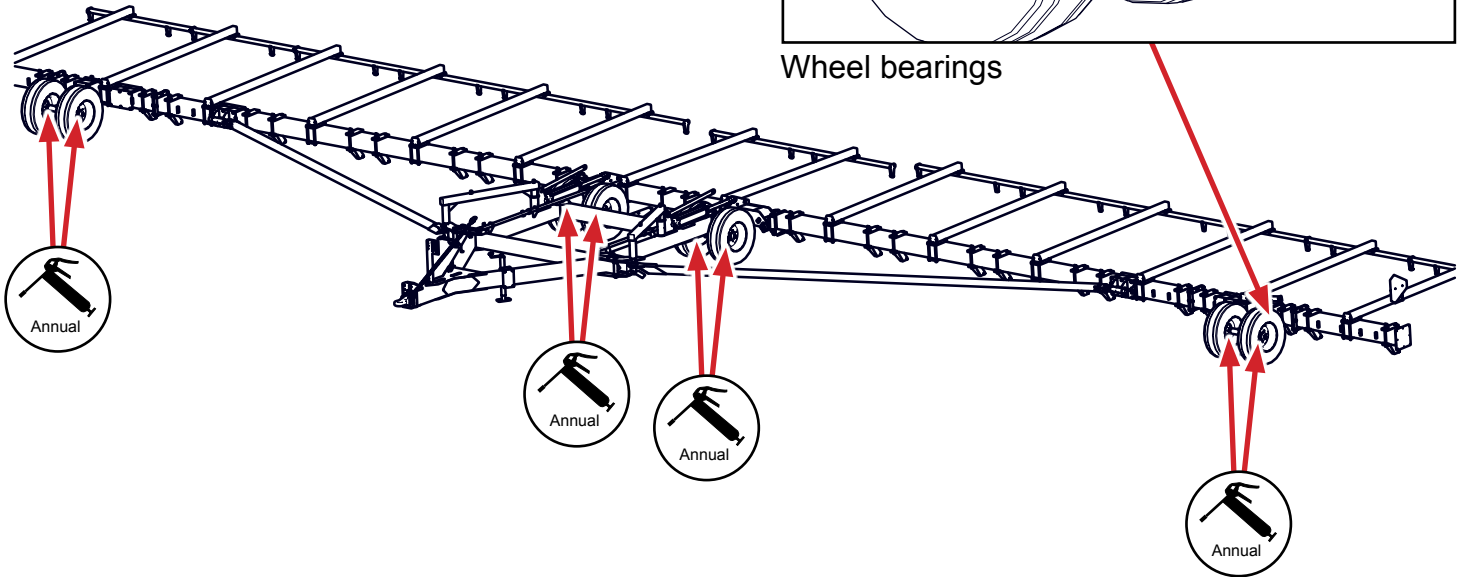
Wing Pivots (2 per side)

Annual Service

The hubs are equipped with a grease fitting and it is up to the operator whether or not these are used. Do not over-grease the hubs or damage may occur to the seals.



Wheel bearings



Contents

Model and Serial Number	1
Maximum Header Weights	1
Introduction.....	2
Safety.....	3
Signal Words	3
Operation Safety.....	4
Hydraulic Safety.....	4
Service and Maintenance Safety.....	5
Highway Operation and Transport Safety.....	5
Safety Labels.....	6
Product Description	10
Controls and Components	11
Leveling Control Switches	11
Hydraulic Gear Pump	11
JH9010 Hydraulic Flow.....	12
Leveling Control Manifold	12
Leveling Controller.....	12
Overcarriage Position Indicator	13
Slope Sensing Clinometer	13
Rear Wheel Assist Clinometer	13
Transition	13
Header Position Sensor.....	14
Retractable Ladder Step.....	14
Monitor.....	14
Mechanical Leveling Cylinder Stops.....	15
Carriage	15
Hydraulic Leveling Cylinders and Counter-Balance Valves.....	15
JS7010 & JS9010.....	15
Leveling Cylinder Safety Stops.....	16
Drop Axle	16
Header Tilt Control Switches	17
Header Tilt System	17
Header Tilt Controls and Components.....	17
Operation.....	18
Ladder Position.....	18
Leveling System Controls	18
Lateral Header Tilt / Contour Master.....	19
Storage	19
Transporting Combine on a Trailer	19
Maintenance.....	20
Driveline Maintenance	21
Transition Drive Chain	22
Transition Slip Clutch.....	22
Paddle Beater	22
Feeder House Removal.....	22
100 Hour - Annual Maintenance	23
Adjustments.....	24
Rear Axle Spacing	24

Rear Axle Position Chart.....	24
Over Rotation Stop	25
Transition Fore/Aft Adjustment Procedure.....	25
Lower Feeder Drum Stop Adjustment.....	25
Lateral Tilt Flow Control Adjustment	26
Adjusting the Leveling Zero Point.....	27
Maximum Leveling Calibration.....	28
Mechanical Leveling Cylinder Stops.....	29
Leveling Speed Adjustment.....	30
Monitor Adjustments	30
Setup Mode	30
Drive Tire Load/Slope Alarm	30
RWA/Slope Alarm	30
Maximum Level.....	30
Monitor Brightness.....	31
Mute Alarm.....	31
Diagnostics	31
Clinometer	32
Leveling Valve Coils.....	32
Chassis Angle Sensor.....	33
Header Angle Sensor.....	33
Header Tilt Setup.....	34
Tread Width	38
Tire Selection.....	38
Feeder Adjustment For Tire Size	38
Tire Inflation	38
Rear Axle Toe In	39
General Shielding	39
Drive Shaft and Couplers.....	39
Rear Axle Weighting	39
Hydraulic Settings.....	40
Hydraulic Hoses.....	40
Hydraulic Cylinder.....	40
Decal Placement.....	41
Header Compatibility Chart	43
Leveling System Specifications.....	44
Electrical Schematics.....	46
Hydraulic Schematics	51
Constant Velocity Driveline Maintenance Guide	54
Notes.....	58