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*Productivity
Through Innovation*

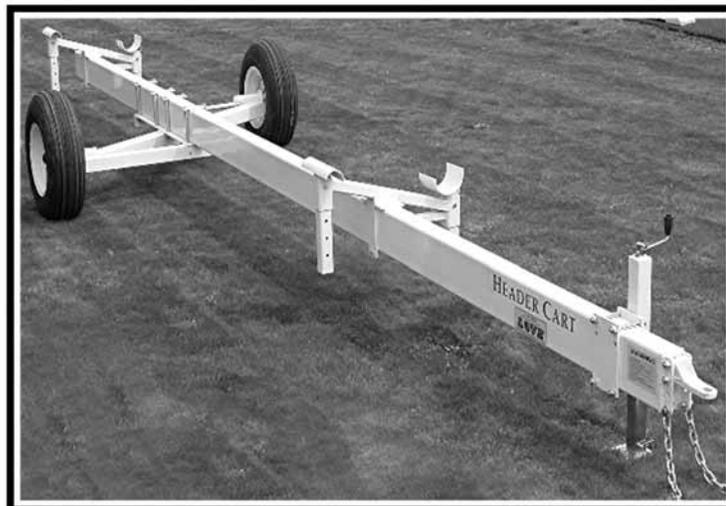
LOVE[®]

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25 Ft Header Cart

Assembly and Operating Instructions:



Producing Innovative Products Since 1932

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Assembly

Forward

The assembly of your new machine is relatively simple if it is set up in the following sequence and the caution areas are particularly noted. The recommended assembly sequence will include setting up the axle first. Cautionary decals and tape should be applied after the machine has been fully assembled.

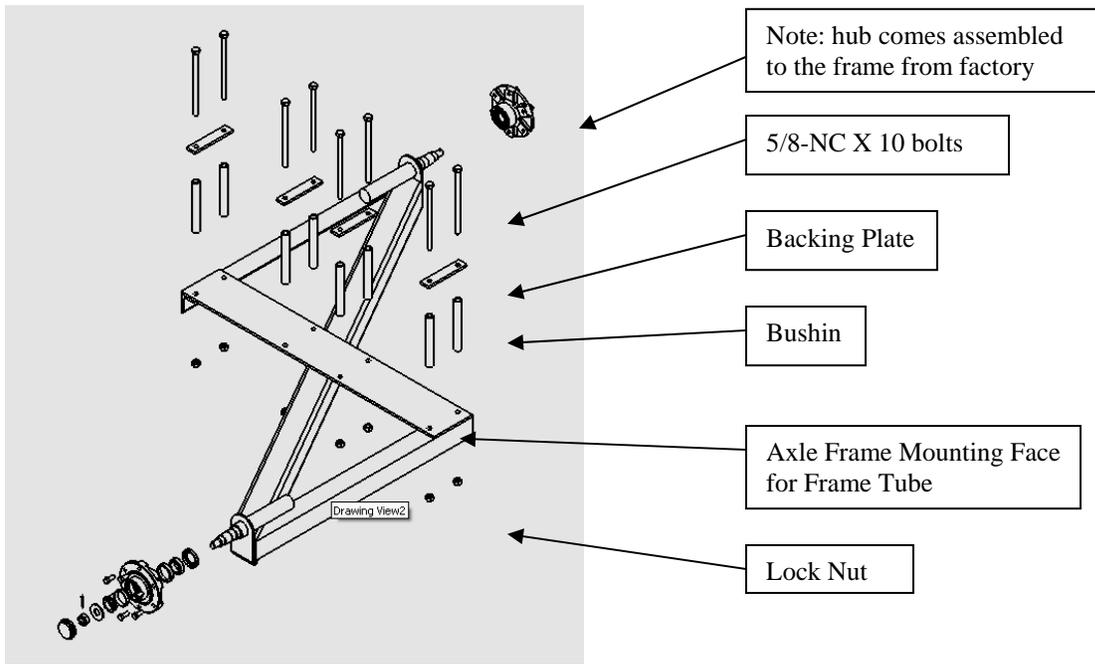
Assembly Note#1: When making reference to the left and right hand side of the machine, it is always assumed that you are standing behind the machine looking forward towards the hitch/tractor.

Assembly Note#2: loose-assemble (finger tight) all fasteners of sub-components before securing/tightening to allow for adjacent part assembly/orientation.

Assembly Note #3: to prevent inadvertent casualties, due to suspension system failures, BLOCK ALL suspended machinery subassemblies when and where instructed to do so.

Step 1: Axle Assembly

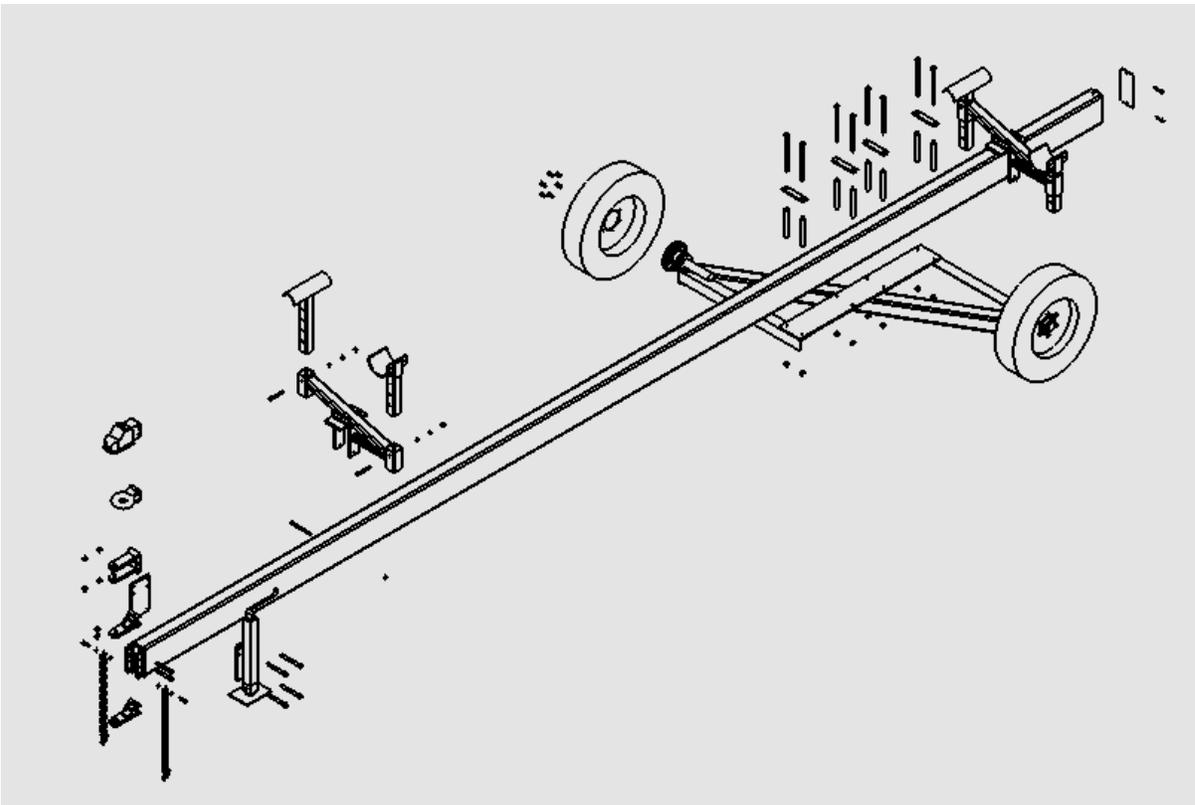
- 1) Suspend the axle frame to allow wheel/tire assembly with the axle stub shafts and center mounting plate face oriented face up (see illustration).
- 2) Install the wheel/tires to the axle shafts using the six hub bolts.
- 3) Verify tire pressure. Note: IMPLEMENT TIRE PRESSURE SHOULD NOT EXCEED **55psi** (exceeding this pressure may cause the valve stem to dislodge, a tire blow-out, and/or serious injury).



Note: the above illustration provides instruction regarding layout for initial assembly. The spindle-hub, and frame configuration shown may differ from model-to-model.

Step 2: Hitch Assembly

- 1) Note: the main frame tube has two pins extending beyond its open end. One is positioned out further than the other. The shorter of the two denotes the top side of the frame.
- 2) Rotate the main frame tube so the longer of the two pins is below and the shorter above.
- 3) As option, the hitch comes with varying hitch configurations. Install the hitch to the main frame as shown in the illustration and secure/tighten.
- 4) Install the safety chains using the ½-NC fasteners and washers.



Note: the above illustration provides instruction regarding layout for initial assembly. The frame configuration shown is designed for a John Deere application... will differ from model-to-model.

Step 3: Center Frame Tube Assembly

- 1) Suspend the tongue hitch end of the center frame tube so the bottom face of the frame tube is at the same height as the upper face of axle assembly center plate. Note: the tractor hitch may be used for suspending this end (per previous step instructions).
- 2) Orient the main portion of the center frame tube over the axle assembly mounting plate, straddling its mounting holes.

- 3) Place the 5/8-NC X 10” Bolts through the backing plates, bushings, and corresponding mounting holes in the axle assembly mounting plate.
- 4) Install (finger tighten) all 5/8-NC lock nuts to the 10” long bolts from the back/bottom side of the mounting plate.
- 5) Move/adjust the axle assembly so that its center portion is approximately 75% of the distance from the hitch end (see illustration)
- 6) Tighten/snug the main frame bolts (not to exceed 110-foot pounds)

Step 4: End Cover

- 1) The main frame tube open end is for storing additional section blades. A cover is provided to assure the blades are retained within the tube.
- 2) Install the cover plate to the tube end.
- 3) Secure the cover plate with the #10 hitch pins

Step 5: Support and Saddle Installation

- 1) The support brackets should be placed on the tool bar for best load distribution. It is recommended the owner obtain a rough estimate of where to place the header support brackets for his/her header prior to securing them in place on the frame.
- 2) The off-set axle option is provided to allow better clearance for combine feeder housing. It is therefore important to orient the header support brackets in the downward-sloping-left orientation (see illustration) for optimum clearance/use.
- 3) The supports and saddles can be adjusted to owner preference using the ½-NC X 4 fasteners for stops. After obtaining the desired height secure the fasteners in place to prevent dislodging.

Step 6: Jack Installation

- 1) Place the jack to within 12” to 16” of hitch on the left side of the frame tube.
- 2) Extend and assemble the 5/8-NC X 6 fasteners through the jack mounting plate and backing plate.
- 3) Secure the jack-mounting fasteners. Note: do not exceed 110 foot-pounds.

Step 7: Stickers, Placards, and Cautionary Tape

Below is the recommended decal placement for the Love Header Cart. Decal placement should occur after mounting all bolt-on brackets, jack, and axle mount equipment.

For Best Results: please provide an oil-free, clean surface for maximized decal adherence.



Step 8: Assembly Completion:

- 1) Make sure that all bolts are tightened and/or secured.
- 2) The system is now ready to operate. Please refer to the operator's information and/or instruction for adjustments and care of the machine.

Header Cart Maintenance Chart

Lubrication

Axles need lubrication... grease is your cheapest hired hand. Good maintenance will pay huge dividends over the life of this implement!

Tire Pressure

Implement tires should not exceed 55psi.

Fasteners

- 1) Prior to operation, check all fasteners for tightness. After the first days operation recheck all fasteners, and then at least monthly thereafter, depending upon usage.**
- 2) Grade 2 fasteners: 110 foot-pounds maximum for 5/8" hex bolts; 70 foot-pounds maximum for 1/2" hex bolts.**
- 3) Note: Do not exceed 95 ft pounds on lug nuts. Over-tightening can actually cause the wheels to come loose!**

Operator's Manual

Read and understand all operating instructions and precautions before attempting to operate machine. Pay particular attention to items marked with this symbol:



This indicates important information that involves your safety!

SAFETY & SIGNAL WORDS



THE SAFETY ALERT SYMBOL USED THROUGHOUT THIS MANUAL MEANS **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!** CAREFULLY READ, UNDERSTAND, AND FOLLOW THE INSTRUCTIONS THAT FOLLOWS THIS SYMBOL.

SIGNAL WORDS

Note the use of safety colors and the signal words DANGER, WARNING and CAUTION with the safety messages. These colors and words indicate the likely consequences in terms of degree of severity or the probability of severity.



!DANGER! (RED) - Immediate hazards which **WILL** result in severe personal injury or death.



!WARNING! (ORANGE) - Hazards or unsafe practices which **COULD** result in severe personal injury or death.



!CAUTION! (YELLOW) - Hazards or unsafe practices which **COULD** result in minor personal injury or product or property damage.

Pre-work Checklist

The following checklist was prepared so a dealership may check a machine before it is delivered to the customer. The checklist should be used before each working season and from time to time during the working season.

Pre-Work Checks

- _____ Check ALL bolts and nuts for tightness.
- _____ Check wheels and hubs for tightness (95 ft pounds max torque on wheel nuts)
- _____ Inflate all tires to 40-55 psi.
- _____ Inspect all lubricating points
- _____ Check all locks, blocks, and pins
- _____ Place all caution and warning placards/stickers

Customer Delivery-Checklist

- _____ Show your customer the proper machine settings and how to level machine from front to rear and from side to side.
- _____ Show the owner/operator proper grease points and when to grease.
- _____ Show the owner/operator proper transporting procedures.

Operator and Operation Information

Introduction: It is important for a customer to be familiar with the proper machine settings and to obtain proper instruction as to how a machine is to be set for field use.

1. Transporting Header Cart with, or without Header

- A. Check state and local law requirements for over width or height machinery on public roads.
- B. Care should be taken when on narrow roads or crossing narrow bridges.

Thank you for choosing JE Love Co. for your agricultural needs!