

JOHN DEERE PLANTER CHECKLIST

Serial Number:
Model:
Inspection Date:
Inspected By:



Hitch Styles

Hitch 2 Point System:

- 2 point assembly
- Pivot pins
- Support stands
- HYD hose clamp assembly
- HYD hoses for wear/leaking
- HYD hose protective covering for wear/secure
- Electrical harnesses for chaffing
- Electrical connectors clean/secure, not damaged
- Draft arm pivot assemblies for wear, bolts tight
- Draft arm tubes for damage
- Grease/lubricate per operators manual

Hitch Hydraulic Tongue:

(Deere Bauer)

- Clevis hitch bearing for wear
- Pivot bolts tight
- Upper & lower support arms pivot pins
- Upper arm hydraulic cylinder attachment pins for wear
- HYD cylinder for leaks
- HYD support holder secure
- HYD hoses for wear/leaking
- HYD hoses protective covering for wear/secure
- Support stands & pins
- Electrical harnesses for chaffing
- Connectors clean/secure, not damaged
- Draft arms pivot assemblies for wear, bolts tight, tubes for damage
- Welds/structural members for cracks
- Grease/lubricate per operators manual

Hitch Fixed Tongue System:

- Clevis hitch for wear, pivot bolt tight
- Safety Chain not damaged, correctly routed and attachment bolts tight
- Support jack & attachment pins no damage
- HYD hose holder assembly secure, not broken
- HYD hose mounting brackets along tongue securely holding hoses, no damage
- HYD hoses for wear, not leaking, routed correctly
- HYD hose protective covering secure, no damage
- Electrical harnesses for damage, connectors clean, secure, routed correctly
- Electrical connectors clean/secure, not damaged
- Hitch frame secure, no cracks, no loose bolts, not bent
- Welds/structural members for cracks
- Grease/lubricate per operators manual

Stack folding:

- 3 point pins for damage
- Support stands & attachment pins for damage
- HYD hose holder assembly secure, not broken
- HYD hoses for wear, not leaking
- HYD hose protective cover secure, no damage
- Electrical: Harnesses for chaffing, connectors clean, secure, no damage
- Folding cylinders, not leaking, not damaged
- Folding cylinder pivot pins for wear
- Folding pivot pins for wear
- Grease/lubricate per operators manual

Frame & Transport Systems

Center Section:

- Welds/structural members for cracks
- Hardware/bolts tight
- Hydraulic cylinders for leaks and damage
- HYD cylinders attachment pins for wear/damage
- HYD hoses not damaged, routed correctly, secured
- Electrical harness not damaged, routed correctly, secured
- Folding hinge points not damaged, no worn pins/bushings
- Bulk fill tanks not damaged, secure
- Bulk fill tanks lids and seals not torn, cracked or damaged
- Seed delivery manifold not damaged, cleaned out
- Seed manifold agitation motor operational
- Seed delivery hoses/tubes not damaged, correctly routed, secured
- Seed delivery blower not damaged, clean, large hose not damaged & secured
- Seed delivery blower HYD motor not leaking, HYD hoses not damaged, leaking, secured
- Vacuum blower not damaged, blades clean, bolts tight
- Vacuum blower motor not leaking
- Vacuum mounting brackets not damaged, secured
- Vacuum blower HYD hoses not damaged, secured
- Vacuum main line, plastic tube or metal frame not damaged, leaking, secured, clean inside
- Vacuum row hoses not damaged, routed correctly, secured
- Transport tires, not damaged, correct pressure

Main Frame Assembly:

- Inspect welds/structural members for cracks
- Flex points pins, bushings for wear, damage
- Folding points pins, bushings for wear, damage
- Vacuum blower not damaged, blades clean, bolts tight
- Vacuum blower motor not leaking
- Vacuum blower HYD hoses not damaged, secured
- Vacuum main line, plastic tube/metal frame not damaged, leaking, secured, clean inside
- Vacuum row hoses not damaged, routed correctly, secured
- Vacuum mounting brackets not damaged, secured
- Marker cylinders not leaking
- Marker HYD hoses not leaking or damaged
- Marker pivot pins for wear
- Markers disc blades for wear, bolts tight
- Row unit "U" bolts not broken, nuts tight, row width correct
- Grease/lubricate per operators manual

Frame Lift Assembly:

- Inspect welds/structural members for cracks
- Pivot pins and bushings for wear
- Wheel bearings tight and greased
- Tires for damage, correct pressure, lug nuts torqued
- Lift cylinder not leaking, not damaged
- Lift cylinders HYD hoses not leaking and secure
- Lift cylinders pivot pins for wear
- Grease/lubricate per operators manual

Drives:

- Main drive tire not damaged, correct pressure
- Contact drive tire not damaged, correct pressure
- Contact Drive Chains for wear, not rusty
- Sprockets for wear & alignment
- Idlers for wear, not damaged, correct tension & alignment
- Grease/lubricate per operators manual

Transmissions:

- Shafts not bent or damaged
- Bearings run smoothly
- Chains not rusty
- Sprockets no damaged/worn teeth
- Shear Pins not damaged & extra replacements
- Grease/lubricate per operators manual

Main Hex Shaft:

- Shaft not bent or damaged
- Shaft section locking collars tight
- Bearings run smoothly
- Sprockets not damaged
- Hex shaft flex drive gear boxes not damaged & operational check
- Hex shaft wing flex drives for wear, not damaged
- Row Clutches not damaged, clean, service and operational check
- Grease/lubricate per operators manual

Electrical & Seed Monitoring

Wiring Harnesses:

- Fold/unfold control box for damage
- Fold/unfold harness for damage, secure as needed
- Fold/unfold HYD manifold, inspect solenoid valves, not leaking, operational check
- Seeding harness inspect for damage to outer sheathing, secure as needed
- Smart connector, inspect for damage, secure as needed, perform operational check
- Swath control harnesses, inspect for damage, secure as needed
- Hydraulic drive control harnesses, inspect for damage, secure as needed
- Power tractor harness from battery to hitch, inspect for damage
- Power harness to PDM, inspect connectors for damage, corrosion on pins, sockets
- CAN harness to PDM, inspect connectors for damage, corrosion on pins, sockets
- Apex power harnesses from PDM to backbones, inspect for damage, secure as needed
- Backbone harnesses, inspect for damage, corrosion on pins, sockets, secure as needed
- CAN harness to PDM, inspect connectors for damage, corrosion on pins, sockets
- PDM, mounting secure, no damage
- Alternator, mounting secure, no damage
- Alternator electrical harness, no damage, connectors tight
- Perform an operational check of all systems

Sensors/Switches

- Radar sensor for damage, clean, operation check
- Seed Tube Sensors for damage, clean, operation check
- Shaft Rotation Sensors damage, operation check
- Wheel speed
- Rotary Height Switch not damaged/operational check
- Frame folding switches

Transport System

- Safety latches inspect operation check & adjust
- Wheel bearings for wear and grease
- Mud scrapers for wear and adjust
- Lug nuts/Bolts and Spindle Bolts torqued
- Hazard lights no damage, operation check
- Toolbar Height, 20 in to 22 in
- Lubrication and grease per operator's manual

SAFETY

- Warning Lights, operate correctly
- SMV Sign, visible and reflective
- Safety Warning Signs, condition/clean
- Reflectors/Reflective Decals, condition/clean

Fertilizer Equipment

Tanks

- Inspect welds/structural support members for cracks
- Delivery hose for damage, not leaking, secure
- Fill hose for damage, not leaking, secure
- Valves for damage, not leaking, lubricate
- Filter system for damage, not leaking, secure

Squeeze Pump

- Metering Hoses, not leaking, damaged, correct routing, secure
- Bushings and rollers for condition
- Roller plate and springs for condition
- Drive chain rusty, damage, alignment and lubrication

Piston Pump

- Case/Hose Connections not damage/leaking
- Oil level, check/replenish to correct level
- Drive chain and tires, not damaged, correct pressure, lubrication

Centrifugal Pump

- Case/Hose Connections not damage/leaking
- HYD drive motor not leaking, **Note: Running pump dry will damage seal!!!**
- HYD hoses for damage, not leaking, correct routing, secure
- Electrical connectors for damage, no corrosion, clean

Electric Pump

- Case, Hose Connections not damage, leaking
- Electrical harness no damage, secure, clean
- Electrical connectors for damage, no corrosion, clean

Parts Needed/Notes: