



JOHN DEERE

# PLANTER JOHN DEERE INSPECTION

## CUSTOMER

## PLANTER INFORMATION

Name: *PJK* Planter Acres: *Stock Number # 176490*  
 Address: *# H01770 A675204* Serial Number: *# H01770 A675204*  
 City and State: \_\_\_\_\_ Warranty End Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Date: \_\_\_\_\_

Overall Items	CONDITION		Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair / Replace					
Safety Chain						Worn links	
Parking Stand						Check for cracked welds, missing pins	
Check Tire Inflation						See OM	
Check Wheel Bolt Torque						Bolt torque - 115 Nm (85 lb-ft)	
Inspect Hitch Strap Bolt Torque						Bolt torque - 352Nm (260 lb-ft)	
Check and Lubricate Wheel Bearings						See OM	
Lubricate entire machine						See OM	
Check all Safety Decals, Reflectors, and SMV sign						In place and visible	
Inspect all Safety Shields and Warning Lamps						In place and operational	
Inspect Clutch assembly/ bearings						See OM	<i>Shaft Freeze up</i>
Check Transport lock						In storage position/missing, See OM	
Check SeedStar or CT monitor/ radar						Use appropriate OM, TM	
Check all electrical harnesses						Check for stretched, cracked, broken, burnt wires and connectors	
Check Micro switches						See corresponding TM for proper operation	
Clean Seed tube sensors						Perform monitor "Seed Tube Sensor Test"	
Check all drive chains and sprockets						Check for worn/kinked links and sprockets, Follow OM for lubrication guidelines	<i>Chains in warehouse rail</i>
Check all drive idlers/ rollers/ bearings						Check for purging grease/looseness	<i>Bearings in Fallers</i>
Check seed transmission and bearings						Loose worn/sprockets	<i>Bearing Rung</i>
Check all idler springs						Proper chain tension	

Overall Items - continued	CONDITION		Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair / Replace / Needs Adjusted					
Check all row unit hopper locks and disconnects						Adjust/replace to properly secure hoppers	
Check for missing hardware Remove and lubricate meter drive assembly between coupler, washers, and outer bearing (non-Pro-shaft drive)							
Inspect Condition of Hydraulic Hoses						No leaks, fittings tight, hoses worn No worn harnesses or broken connectors, secure as required	Same Hoses Broken in Front
Inspect Condition of Wiring							
Inspect Hose Support						Replace if kinked or cracked	
Inspect Fertilizer hoses						See TM for bearing replacement/adjustment	
Inspect Marker Coulters & Bearings						Hardware in place, not rusted, no leaks	
Marker cylinders						Inspect shear bolts, adjust bearings to TM	
Fertilizer Depth wheels & bearings						See TM for bearing replacement/adjustment	
Fertilizer opener/bearing/blade/scrapper						Check for visible leaks, hose abrasion	
Rockshaft cylinder						Inspect welds and hardware	
Rockshaft						Replace sprockets that are loose or worn	
Check liquid/dry fertilizer transmission						Ensure markers properly alternate	
Check marker sequence valve							
<b>Overall Items Installed Options</b>	<b>OK</b>	<b>CONDITION Installed (Y/N)</b>	<b>Customer OK's Repair/Replace</b>	<b>Recommended Service Intervals (Annual *)</b>	<b>MST Job Time</b>	<b>Recommended Service, Inspection Specification, Additional Information</b>	<b>Option Description</b>
3.0 BU VAC HOPPER & LID, 1R						Verified if installed and functioning correctly: Attachment number: BA29073	1700 Series & DB Planters w/MEPlus Row Units



Key Wear Parts	CONDITION		Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair/Replace					
Parallel arm bushings						Inspect for excessive row unit looseness	loose
Row Unit Sprockets (4/row)						Inspect wear against seedtube guard/blade	
Seed Tube						Replace when replacing opener blades	Need Replaced
Seed Tube guard						Ensure clearance between blade and shield	
Double-Disk opener shield						Opener blade- 14" diameter	1 1/2
Tru-Vee opener blade/ bearing				15" diameter		Check scraper blade spring and wear	Need Retain Sharper
Opener Blade Scraper						Proper adjustment to opener blade	Need Adjuster
Gauge Wheel Arm						Should just touch opener blades, but no farther than 1.5mm (1/16")	
Gauge wheel/ bearing/ tire assembly						Replace if upper lip near blade is worn off	
Adjust gauge wheel tire						Inspect proper bearing retention	
Adjust gauge wheel bearing/bushing						Inspect for excessive looseness/ alignment with seed trench	Need New Bushings
Closing wheel handle & bushing							
Key Wear Parts - Continued	CONDITION		Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
OK	Repair/Replace	Needs Adjusted					
Inspect closing wheel tire						Ensure tire is secured by rim/ no cracks	4 off
Inspect closing wheel/bearing/tire						Check for excessive runout or loose bearing	2 complete
Inspect closing wheel bearing assembly						Inspect for rough turning or grease purging	
Inspect closing wheel spring						Check proper tension/stretching	
Depth adjusting handle assembly						Inspect wear at pivot and spring	Need Frame Bushing
Row unit drive assembly						Inspect sprockets and bearing condition	
Key Wear Parts Installed Options	CONDITION		Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description
OK	Installed (Y/N)	Repair/Replace					



Vacuumeter	CONDITION		Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair / Replace					
Inspect Vacuum Fan						See DTAC Solution 81960 Replace with seed disks or if large cracks or wear are present	<del>Need</del> <i>Need in Mizeur</i>
Inspect Meter Vacuum Seal						Check for dust and replace if needed	
Check Vacuum Gauge Filter						Check for seed treatment buildup and worn cells/agitator fins. graphite application on seal side.	<i>In ware house - good</i>
Inspect Seed Disk						Replace if excessively grooved or worn	
Inspect Wiper						Replace if gaps will allow a seed to fall through	
Inspect Brush & holder						Clean talc & treatment buildup	<i>Need Seals</i>
Inspect Chamber						Ensure proper retention of meter to hopper	
Inspect Dust Cover						Make sure flex drive pivots freely	<i>Need Repair od, spurs.</i>
Inspect Latch/ Handle						Replace if knocker points are worn	
Inspect Flex Drive Assembly						Replace if rough or purging grease	
Inspect Klocker Assembly-(option)						Look for visible cracks	
Inspect Bearing						Replace if cracked or worn	<i>Hose &amp; Brake on Right Monistek</i>
Inspect Housing							<i>Seed Boxes checked at Bottom</i>
Inspect vacuum hoses							
Vacuumeter Installed Options							
CONDITION		Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information		
OK	Installed (Y/N)				Repair / Replace	Option Description	



Finger Pick-up	CONDITION		Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments	
	OK	Repair / Replace						
	OK	Repair / Replace	Needs Adjusted	Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Replacement Specification	Comments
Inspect Cover						Replace if cracked or worn		
Inspect Belt						Replace if twisted or cracked paddles		
Inspect Driver						Inspect that drive knobs are present		
Inspect Housing						Check for any visible dents		
Inspect Roller						Check for roughness or grease purging		
Inspect Bushing						Replace when case harden steel appears		
Inspect Bearing						Bristles are bent/missing		
Inspect Carrier plate with brush						Should be less than 0.15 mm gap between finger holder and carrier		
Adjust the brush (100 hours or annually)						Inspect for stretched/broken springs		
Check finger assembly								
Inspect fingers and springs								
Inspect Deflector housing								
<b>Finger Pick-up Installed Options</b>	OK	Installed (Y/N)	Repair / Replace	Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Replacement Specification	Comments
<b>Radial Bean Meter</b>	OK	Repair / Replace	Needs Adjusted	Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
Check Bearing							Ensure properly seated in housing	
Inspect Housing							Look for visible cracks	
Inspect Bowl Height							See TM for bearing replacement/adjustment	
Check Ring Brush							Replace if excessively grooved or worn	
Check Retaining Brush							Replace if grooves are present-wear at cleanout is ok	
Check Screw							Replace if brush thickness is less than 3mm (1/8 in.) or below top of retaining brush	
Check Brush							Clean retainer	
Check Retainer							Inspect fingers on bowl for wear/damage	
Check Bowl							Insure tightness	
Check Wing nut								
Check Shim								



Radial Bean Meter - Continued	CONDITION		Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair / Replace					
Check Roller						Replace if fingers are worn off	
Check Arm						Insure proper spring force on roller	
Check Ejector							
Check Spring						Check for proper tension on roller	
Check Cover							
Check Spring locking pin						Inspect pin	
Check Screw							
Check Locks							
Inspect Flex Drive Assembly						Lubricate for proper flipper drive movement	
Radial Bean Meter Installed Options	OK	Installed (Y/N)	Repair / Replace	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description
Feed Cup Meter Assembly	OK	Repair / Replace	Needs Adjusted	New Specification	MST Job Time	Replacement Specification	Comments
Check Cover						Replace if worn/damaged	
Check Seed Plate						Replace if worn/damaged	
Check Shim						Replace if worn/damaged	
Check Bowl						Replace if worn/damaged	
Check Shaft						Replace if worn/damaged	
Check Housing						Replace if worn/damaged	
Check Wing nut						Replace if worn/damaged	
Check Cover						Replace if worn/damaged	
Feed Cup Meter Assembly Installed Options	OK	Installed (Y/N)	Repair / Replace	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description



Miscellaneous	CONDITION		Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair / Replace					
	OK	Needs Adjusted					
Heavy duty adjustable unit down force springs						Check for worn cast components	
Closed handling system						Insure valve is operational	
Liquid herbicide system						Clean hoses and nozzles.	
Liquid fertilizer system						Inspect hoses and pump for damage/kinks	
Frame mounted coulters						Check blade depth and alignment with rows	
Row cleaners						Replace bent teeth/inspect bearings	
Conservation Disk Coulters						Inspect bearings and blade wear	
Combination coulters/row cleaner						Check alignment with row unit openers	
Inspect routing of row unit harness to seed sensor						Secure as required to minimize pinch points	
Align meter drive to meter assembly (all meters except Pro-series)						Refer to OM	
<b>Miscellaneous Installed Options</b>	<b>OK</b>	<b>Installed (Y/N)</b>	<b>Customer OK's Repair</b>	<b>Recommended Service Intervals (Annual *)</b>	<b>MST Job Time</b>	<b>Recommended Service, Inspection Specification, Additional Information</b>	<b>Option Description</b>
LIQUID FERTILIZER OPENERS						Verified if installed and functioning correctly; Attachment number: BA30547	1770NT, 1790 Planters
LIQUID FERTILIZER TANK						Verified if installed and functioning correctly; Attachment number: BA30493	1770NT 16R & 24R Planters
ACTIVE PNEUMATIC DOWNFORCE SYSTEM						Verified if installed and functioning correctly; Attachment number: BA32253	1770NT, 1790, DB Planters
UNIT MOUNTED COULTERS						Verified if installed and functioning correctly; Attachment number: BA30078	1700 Series & DB Planters
ROW CLEANERS						Verified if installed and functioning correctly; Attachment number: BA31401	1700 Series & DB Planters
<b>Row Command</b>	<b>OK</b>	<b>Repair / Replace</b>	<b>Customer OK's Repair</b>	<b>New Specification</b>	<b>MST Job Time</b>	<b>Replacement Specification</b>	<b>Comments</b>
Inspect routing of RowCommand clutch harness (if equipped)							
Perform RowCommand self-test (if equipped)						Secure as required to minimize pinch points	
						Refer to OM	





Row Command Installed Options	CONDITION		Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description
	OK	Installed (Y/N)					
	Repair / Replace	Needs Adjusted					
ROW COMMAND PRO-SERIES						Verified if installed and functioning correctly: Attachment number: BA92851	1770NT 24R Planter
ROW COMMAND CHAIN DRIVE						Verified if installed and functioning correctly: Attachment number: BA92874	1770NT 24R Planter
CIS System	OK	Installed (Y/N)	Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
Inspect CIS system hoses for damage (if equipped)						Wearing appropriate PPE, repair as required	
Inspect CIS system water filter (if equipped)						Clean as required	
Inspect CIS system chemical filter (if equipped)						Wearing appropriate PPE, clean as required	
Prime CIS chemical system (if equipped)						Refer to DTAC solution 83935	
CIS System Installed Options	OK	Installed (Y/N)	Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description
CENTRAL INSECTICIDE SYSTEM						Verified if installed and functioning correctly: Attachment number: BA92832	1770NT 24R Planter

