



# PLANTER

## JOHN DEERE INSPECTION

CUSTOMER					PLANTER INFORMATION			
Name:					Planter Acres			
Address:					Serial Number:			
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	Needs Adjusted					
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	
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	
Check all drive idlers/ rollers/ bearings							Check for purging grease/looseness	
Check seed transmission and bearings							Loose worn/sprockets	
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	
Inspect Condition of Wiring							No worn harnesses or broken connectors, secure as required	
Inspect Hose Support								
Inspect Fertilizer hoses							Replace if kinked or cracked	
Inspect Marker Coulters & Bearings							See TM for bearing replacement/adjustment	
Marker cylinders							Hardware in place, not rusted, no leaks	
Fertilizer Depth wheels & bearings							Inspect shear bolts, adjust bearings to TM	
Fertilizer opener/bearing/blade/scrapper							See TM for bearing replacement/adjustment	
Rockshaft cylinder							Check for visible leaks, hose abrasion	
Rockshaft							Inspect welds and hardware	
Check liquid/dry fertilizer transmission							Replace sprockets that are loose or worn	
Check marker sequence valve							Ensure markers properly alternate	
Overall Items 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					
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	Needs Adjusted					
Parallel arm bushings							Inspect for excessive row unit looseness	
Row Unit Sprockets (4/row)								
Seed Tube							Inspect wear against seedtube guard/blade	
Seed Tube guard							Replace when replacing opener blades	
Double-Disk opener shield							Ensure clearance between blade and shield	
Tru-Vee opener blade/ bearing					15" diameter		Opener blade- 14" diameter	
Opener Blade Scraper							Check scraper blade spring and wear	
Gauge Wheel Arm							Proper adjustment to opener blade	
Gauge wheel/ bearing/ tire assembly							Should just touch opener blades, but no farther than 1.5mm (1/16")	
Adjust gauge wheel tire							Replace if upper lip near blade is worn off	
Adjust gauge wheel bearing/bushing							Inspect proper bearing retention	
Closing wheel handle & bushing							Inspect for excessive looseness/ alignment with seed trench	
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	
Inspect closing wheel/bearing/tire							Check for excessive runout or loose bearing	
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	
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					



Vacuometer	CONDITION			Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair / Replace	Needs Adjusted					
Inspect Vacuum Fan							See DTAC Solution 81960	
Inspect Meter Vacuum Seal							Replace with seed disks or if large cracks or wear are present	
Check Vacuum Gauge Filter							Check for dust and replace if needed	
Inspect Seed Disk							Check for seed treatment buildup and worn cells/agitator fins, graphite application on seal side.	
Inspect Wiper							Replace if excessively grooved or worn	
Inspect Brush & holder							Replace if gaps will allow a seed to fall through	
Inspect Chamber							Clean talc & treatment buildup	
Inspect Dust Cover								
Inspect Latch/ Handle							Ensure proper retention of meter to hopper	
Inspect Flex Drive Assembly							Make sure flex drive pivots freely	
Inspect Knocker Assembly-(option)							Replace if knocker points are worn	
Inspect Bearing							Replace if rough or purging grease	
Inspect Housing							Look for visible cracks	
Inspect vacuum hoses							Replace if cracked or worn	
Vacuometer 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					





Radial Bean Meter - Continued	CONDITION			Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair / Replace	Needs Adjusted					
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	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					
Feed Cup Meter Assembly	CONDITION			Customer OK's Repair	New Specification		Replacement Specification	Comments
	OK	Repair / Replace	Needs Adjusted					
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	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					







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					
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 Syetem	CONDITION			Customer OK's Repair	New Specification	MST Job Time	Replacement Specification	Comments
	OK	Repair / Replace	Needs Adjusted					
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	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					
CENTRAL INSECTICIDE SYSTEM							Verified if installed and functioning correctly: Attachment number: BA92832	1770NT 24R Planter

