



8R Series Row Crop Tractors JOHN DEERE INSPECTION

CUSTOMER						TRACTOR INFORMATION		
Name:					Work Order:		Tractor Hours	
Address:							Serial Number:	
City and State:							Warranty End Date:	
Phone:					Date:			
Pre-Inspection	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Fluid test kit - TY26859								
Stored Codes					*		Record & Clear all Stored Codes	
ECU Load Profile							Download ECU profile, analyze & review with customer.	
Engine	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Oil Level					*			
Engine Oil and Filter							See OM for intervals.	
Intake system, Hose and Clamps					*		Inspect	
Air filters					*		Replace Annually	
Turbo inspection					*		Excessive Noise, Leakage	
Exhaust system					*		Leakage, Soot Collection	
Head gasket					*		Oil, Coolant Leakage. Dust Collection, Paint Discoloration	
Valve lash adjustment (Tier 3)					3000 Hours		Intake .46 mm. Exhaust .71mm	
Valve lash adjustment (IT4)					5000 Hours			
Crankshaft damper					4500 Hours		Replacement	
High and low idle speeds					*		Lo 890-910 Hi 2275-2375 RPM	
Oil leaks					*			
Pulleys and belts					*		Cracked, Pieces Missing	
DPF Exhaust system (IT4)							Visually inspect clamp flanges for proper alignment.	
DPF Exhaust heat shield(s) (IT4)							In tact and positioned properly	
DPF Filter Maintenance (IT4)					3000-5000 hours depending on machine usage.		Have filter serviced according to OM guidelines.	
Open Crankcase Vent system (OCV)							Check for restrictions	
Tier 4								
Engine Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					





Cooling System	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Front cooling module					As Required		Open coolers & clean. Straighten any bent cooling fins.	
Radiator cap					Two Years		Replacement	
Coolant Level					*		Check de-aeration tank	
Radiator					*		Pressure Check, Leakage, Excessive Debris Collection	
Hoses and Clamps					*		Leakage, Looseness, Deterioration	
Vari Cool Fan drive							Check oil seal leak, belts & sheaves	
Water pump & weep hole					*		Leakage, Paint Discoloration	
Coolant					Refer to OM for recommended intervals.		Drain, Flush and Fill	
Conditioner /Freeze Point					*		Test Strip/ Temp Test	
Thermostats					Two Years		Replacement	
Variable rate fan drive							Check for leaks	
Cooling System Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Time Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					
Fuel System	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Fuel leaks					*		Review Lines and Injectors	
Fuel Tank Vent					Clean-750 Hours			
Fuel Tank and Sump					250 Hour - Drain		Review for water contamination	
Fuel Filters					500 Hour		Replacement	
Transfer pump					*		Pressure Test	
Engine power check					*		Complete Engine Dyno Test and Record Results. Warm trans/hyd oil for subsequent test	
Conduct Engine Misfire test if problems noted during power check					*		Engine performance diagnostic procedure per Service Advisor.	
Fuel System Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					





Electrical System	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Battery					* Annual check			
Condition					*		12.4 V Min.	
Electrolyte level					*		6mm above plates	
Specific gravity					*		1.225 Min.	
Battery cables/ends					*			
Starter operation					*			
Neutral start system					Check-250Hrs			
Presence of starter terminal guard					*			
Generator/alternator charging					*		150 Amp Min. at 13.2 V.	
Lights/turn signals					*			
Instruments/indicator lights					*			
Starting aid operation					*			
Wiring harnesses					*			
Review Misc. Electrical Components					*		Review function & wiring for add on items like monitors, radios etc.	
Electrical System Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					
Power Train	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Oil Level					*			
Transmission operation					*		Service Advisor 250-15-007	
PST Accumulator					*		Service Advisor 250-15-016 45 PSI Max Change	
System operating pressure					*		Service Advisor 250-15-003	
Lube pressure					*		Service Advisor 250-15-010	
PTO clutch and brake operation					*		Service Advisor 250-15-004	
Transmission park mechanism					250 Hours		Service Advisor 250-15-004	
Differential lock operation					*		Service Advisor 250-15-004	
Front differential----MFWD					*		Service Advisor 250-15-004	
U-joints and shielding----MFWD					*			
Axles-outer axle seal and bearing condition					*		Excessive Leakage	
Brake pedal adjustment					*		Height Adjustment	
Transmission/hydraulic filters					1500 hours		Replacement	
Transmission/hydraulic/MFWD oil					1500 Hours		Replacement	
Transmission/MFWD breather					*			
Transmission sump screen					1500 Hours		Clean	
Outboard Planetary Oil Level					1500 hours		Replacement - Uses GL-5	
Front differential oil level----MFWD					1500 Hours		Replacement - Hy-GARD	



Power Train Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					
HD DUAL HUB EXTENSION, 10IN							Verified if installed and functioning correctly: Attachment number: AR190666	Ensure superior crop clearance for row crop applications. Ideal for soil compaction management.
Steering and Brakes	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Steering operation					*			
Steering valve					*		Leakage	
Steering motor, cylinders, and hoses					*		Leakage	
Tie rod and drag link ends					250 Hours		Lube	
Steering arm					*			
Front axle pivot bushings					250 Hours		Lube	
Front axle spindle bearings					1500 Hours		Lube	
Front wheel bearings					1500 Hours		Lube	
Record Toe In (2WD)					*			
Brake valve & operation					*		Leaks / Function	
ILS Suspension					250 Hours		Lube	
ILS Internal Ball Joints					1500 Hours		Lube	
ILS Internal Tie Rod					1500 Hours		Lube	
ILS Accumulator Pressure Check					1500 Hours		Check Specifications	
ILS Rod and Head End Accumulators					*		Service Advisor 270-10-003 Operational Check & Leveling	
Steering and Brakes Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST job Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					





Operators Station	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Seat belt					*		Worn / Improper Function	
Seat operation					*			
Cab Body					*			
Cab Body mounting					*			
Cab filter condition					250 Hours		Clean/Replace	
Wipers and Washers					*			
Wiper blade condition					*			
Blower motor operation					*			
Heater operation					*			
Air conditioning					*			
Operation					*			
System charge					*			
Check for external plugging					*			
Evaporator					*			
Heater core					*			
Mirrors					*			
ROPS					*			
Operation's Station Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					
Tablet Mount Kit							Verified if installed and functioning correctly: Attachment number: BRE10034	In cab bracket for 10" tablet devices
Cell Phone Mount Bracket Kit							Verified if installed and functioning correctly: Attachment number: BRE10015	In cab bracket for smart phones, flexible X-Grip allows for numerous devices
Accessory Mounting Bracket Kit							Verified if installed and functioning correctly: Attachment number: RE343680	In cab bracket that attaches to cab post, complimentary with the tablet and cell phone mounting brackets (two mounting bosses required)
AM/FM/WB (RADIO ONLY) Kit							Verified if installed and functioning correctly: Attachment number: RE321102	Upgraded radio option
FIELD OFFICE							Verified if installed and functioning correctly: Attachment number: AR116863	Organize and store important documents and notes (NOT compatible with instructor seat)
Hitch and Hydraulic System	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Main pump standby pressure					*		Check Specifications	
Hydraulic Pump Flow Test From SCV					*		Refer to Service Advisor for specs.	
Draft Link Support Bushing					1500 Hours		Lube	
Rockshaft/EH hitch					*			
Operation					*			
Cycle test					*			
Adjustments					*			
Selective control valve and coupler					*		Pressure Test	
Operation					*			
Cycle tests					*			
Lines and clamps					*			
Leaks					*			
ILS Accumulator Charge Pressure					1500 Hours		Need Spec	



Hitch and Hydraulic System Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					
AUXILLARY COUPLER, HYD MOTOR							Verified if installed and functioning correctly: Attachment number: AR114664	Quick and easy connecting of planters and other implements
OPTIONAL PTO KIT							Verified if installed and functioning correctly: Attachment number: RE272736	Conversion from 1 3/4" (1000 RPM) to 1 3/8" (1000 RPM) PTO
VALVE KIT							Verified if installed and functioning correctly: Attachment number: RE343866	Kit for tractors needing additional SCV
QUIK COUPLER CAT 3/3N							Verified if installed and functioning correctly: Attachment number: RE180668	Upgrade to a 3/3N quick coupler
Auxiliary Sump Coupler Kit							Verified if installed and functioning correctly: Attachment number: RE222721	Required to attached tractor sump to case drains on seeding equipment.
Misc.	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
	OK	Repair / Replace	Needs Adjusted					
Drawbar & Support					*		Bent , Broken Bolts	
Aux Drive Belt Tensioner					Annual		98-118 Nm (72-87 Lb-Ft) Torque	
Aux Drive Belt Condition					Annual		Check belts and pulleys	
Frame and weights					*			
Bottom frame plate cap screw torque					*			
Sheet metal					*			
PTO shield					*			
SMV sign					*			
Wheels and tires					*			
Wheel & Wheel Weight Bolt Torque					250 Hours			
Front axle hardware torque					250 Hours			
Front wheel bearings					*			
Grease entire machine					*			
Safety decals					*			
Fire extinguisher (if equipped)					*			
Recheck Stored Codes					*		Record and Clear all Stored Codes	
Misc. Installed Options	CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Option Description (For a complete list of attachments and full details go to the Attachment Search on PartsEXPERT)
	OK	Installed (Y/N)	Repair / Replace					
FRONT WEIGHT, 95 LB.							Verified if installed and functioning correctly: Attachment number: R127764	Front suit case weight
Rear WHEEL WEIGHT, 165 LB							Verified if installed and functioning correctly: Attachment number: R167153	Rear wheel weight
Rear WHEEL WEIGHT, 450 LB							Verified if installed and functioning correctly: Attachment number: R207782	Rear wheel weight
REAR WHEEL WEIGHT, 1,400 LB							Verified if installed and functioning correctly: Attachment number: R167151	Rear wheel weight





AMS™		CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
		OK	Repair / Replace	Needs Adjusted					
JDLink™ : SAR, RDA, and WDT								Verify connection with MTG and confirm that MTG can call in.	
Greenstar™ Command Center								Confirm proper installation and verify software version.	Confirm proper installation and walk customer through tutorial as necessary
StarFire™ Receiver								Confirm signal and power on.	Determine if SF1, SF2, or RTK are configured correctly
AutoTrac™ System								Check all payloads for proper installation, functionality, and calibration. Replace and recalibrate as necessary.	See sales manual for proper replacement part numbers.
AMS™ Software and Hardware								Verify all software and hardware versions and notify customer if updates are available.	
AMS™ Installed Options		CONDITION			Customer OK's Repair	Recommended Service Intervals (Annual *)	MST Job Time	Recommended Service, Inspection Specification, Additional Information	Comments
		OK	Repair / Replace	Needs Adjusted					
StarFire™ Receiver									
	Terrain Compensating Module (TCM)							Check calibration and functionality upon customer request.	
RTK Radio								Check for damage. Tighten loose screws and confirm that radio is attached to StarFire™ shroud.	
	Antenna							Check for damage and verify connection to radio (hand tight only - do not overtighten antenna)	
	Activations							Check if SF2-ready and RTK activation is still active on the StarFire™ receiver	
	Setup							Verify setup as vehicle and confirm settings (channel, timeslot, etc.) with customer.	
Machine Sync Automation									Tractor with 2630 and Tractor Speed Automation Activation for Machine Sync Automation needed in order to test full functionality. To check if tractor has Tractor Speed Automation for Machine Sync installed: http://dlrdoc.deere.com/ag_ii/ams/PFP13843_19_16DEC13.pdf
	Antenna							Check for damage. Replace any damaged parts	
	Ethernet Cables							Check connectivity and functionality; tighten loose cables and confirm connection.	
	RTK Radio							Confirm network connection and functionality.	