

PATRIOT® SELF-PROPELLED SPRAYER INSPECTION

CASE IH CUSTOMIZED MAINTENANCE INSPECTION CHECKLIST



W.O. # _____
 DATE _____
 MODEL _____
 TECHNICIAN SIGNATURE _____
 P.I.N. _____ HOURS _____

CUSTOMER NAME _____
 ADDRESS _____
 CITY, STATE, ZIP _____
 PHONE _____
 CUSTOMER SIGNATURE _____

ITEM #	COMMENTS

Prior to inspection, check for service bulletins and PIPs applicable to the particular unit.

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|----------|----------|----------|----------|
| A | B | C | S |
|----------|----------|----------|----------|
- SAFETY EQUIPMENT/OPERATOR CAB**
1. Seat Belts
 2. ROPS
 3. Warning/Flashing Lights
 4. Decals in Place (SMV)
 5. Other Audible Sounds
 6. Horn
 7. Brake Function
 8. Auto-Center Proximity Sensors
 9. Reflectors
 10. Windows
 11. Door
 12. Ladder Control & Ladder Light
 13. Mirrors
 14. Cab Filters
 15. Cab Internal Foam Filter
 16. Cab Air Recirculation Filter
 17. Fire Extinguisher (If Equipped)
 18. Wipers
 19. Heat/A/C Fan
 20. Turn Signals
 21. Lights
 22. Seat Operates/Cond.
 23. Operator's Manual
 24. Radio
 25. Check Operation & Function of Precision Farming Display & Receiver
- TIER 4 SCR**
26. Check DEF Tank, Lines & Filter
 27. Check DEF Fluid Level
 28. Check DEF Tank Hose to Catalyst Chamber
 29. Check Electrical Connectors
 30. Check Catalyst Chamber – Damage/Cracks

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|----------|----------|----------|----------|
| A | B | C | S |
|----------|----------|----------|----------|
- ENGINE**
31. Engine Oil Level
 32. Engine Oil Filter *Last Service* _____
 33. Coolant Level
 34. Coolant Protection (F)
 35. Water Filter *Last Service* _____
 36. Inspect Radiator, Oil Cooler
 37. Inspect A/C Condenser – Leaks/Trash
 38. Fuel Filters *Last Service* _____
 39. Inspect Fuel Tank & Cap
 40. Inspect Belts – Wear/Tension/Alignment
 41. Inspect Exhaust System
 42. Inspect Exhaust for Cracks/Leaks
 43. Check High/Low Idle Speed
 44. Inspect Intake System – Cracks/Leaks/Clamps
 45. Air Filters *Last Service* _____
 46. Check Battery Terminals & Connections
 47. Inspect Electrical Harnesses
 48. Inspect Hoses – Water, Fuel, A/C
 49. Check Gaskets & Seals – Leaks
- FRONT/REAR AXLE**
50. Planetary Hub Condition LF
Planetary Hub Condition RF
 51. Gear Set Condition LR
Gear Set Condition RR
 52. Inspect Steer Pivot Bushings
 53. Axle Liners Plates/Shims
 54. Check Trailing Link Bushings
 55. Inspect Suspension Cylinders/Shocks
 56. Check Wheel Bolt Torque
 57. Hub Lubricant
 58. Service Brake Inspection – Pad Wear/Condition
 59. Wheel Motors Condition/Leaks
 60. Check Internal Brake Condition

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|----------|----------|----------|----------|
| A | B | C | S |
|----------|----------|----------|----------|
- HYDROSTATIC**
61. Hydrostat Filters *Last Service* _____
 62. Inspect for Leaks
 63. Inspect Drive Hoses
 64. Inspect Electrical Harness, Sensors
 65. Inspect Gear Increaser for Leaks/Condition
 66. Hi Press Test (psi) L/R
 67. Check Charge Pressure @ 1300 rpm (For Pressure, See Service Manual)
- HYDRAULICS**
68. Hydraulic Filter(s) *Last Service* _____
 69. Hydraulic Oil *Note Last Service & Check Level* _____
 70. Inspect Hoses for Leaks & Damage
 71. Inspect Hydraulic Steel Lines
 72. Check For Hydraulic Leaks
 73. Gear Pump/Press Comp Pump
 74. Hydraulic System Breather
- STEERING**
75. Check Cylinder for Condition & Leaks
 76. Check Toe In Adjustment
 77. Axle Stop Brackets
 78. Check Ball Socket/Bolt Condition
 79. Inspect Steering Pivot Zerk for Grease
 80. Check Steer Arm Casting
- BOOMS**
81. Boom Pivots – Check for Wear & Grease
 82. Boom Structure – Check for Damage
 83. Check Boom Tilt Cylinders
 84. Check Boom Fold Cylinders
 85. Check Boom Function – Fold In/Out, Raise/Lower, Breakaway Returns
 86. Inspect Solution Plumbing
 87. Check All Hoses & Wiring Harnesses for Secure Routing, No Pinching or Binding

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|----------|----------|----------|----------|
| A | B | C | S |
|----------|----------|----------|----------|
- BOOMS (CONT.)**
88. Check Ball Valve for Condition/Operation
 89. Inspect Fence Row Nozzles
 90. Foam Marker Plumbing & Wiring
 91. R/H & L/H Foam Marker Function
 92. Inspect Grease Zerks at All Points
 93. Center Section Pivot Springs/Pads
 94. Center Section Structure
 95. Inspect Main Lift Cylinders
 96. Boom Stop Set, Booms Come in Correctly & Sit in Cradle Correctly
 97. Boom Strainers
 98. AutoFold Plus Sensors (120' boom only)
- SPRAYER SYSTEM/BELLY PLUMBING**
99. Inspect Controller Power/Constants
 100. Flowmeter – Check Function & Sensor
 101. Inspect Product Tank for Defects
 102. Radar – Check Operation/Condition
 103. Sparge Valve – Check Operation/Condition
 104. Inspect Eductor Plumbing
 105. Rinse Plumbing, Tank & Check
 106. Foam Marker Tank, Solenoids
 107. Suction Line to Pump
 108. Boom Feed Hose
 109. Product Pump – Condition/Leaks
 110. Product Pressure Gauges
- FRAME**
111. Check for Missing Bolts/Pins
 112. Inspect Rim & Tire Condition
 113. Tire Pressure
- ADDITIONAL MAINTENANCE**
114. _____
 115. _____
 116. _____
 117. _____
 118. _____

A	CRITICAL – MUST REPAIR
B	OPERATIONAL – SIGNS OF WEAR
C	OK
S	PASSED INSPECTION – SERVICE PROVIDED



This information is only for the purpose of suggesting possible repair or treatment of equipment. Any remedy will be limited to the amount of the inspection fee. Dealer makes no expressed or implied warranties, and disclaims any incidental or consequential damages.
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BE READY.