



## 7000 Series Air-seeder Inspection Checklist

- Inspect all 2.5" hoses for wear, correct length and proper routing.
  - (from primary manifold to the hitch)
- Inspect all of the ASC clean air hoses for damage or wear.
  - Inspect to ensure the clean air hoses and air plenum are not restricted or plugged
- Inspect all ASC hydraulic cylinders for leaks.
- Inspect all ASC hydraulic hoses for leaks.
- Inspect ASC hydraulic valve(s) for leaks.
- Inspect ASC harness connections.
- Inspect the ASC section gates
  - Disassemble and clean as required
- With the system running and ASC off in the monitor manually cycle each section gate and ensure the lights for the sensors turn on and off as well as the correct gate opens/closes for each section.
- Remove primary manifold inspection cover(s) and inspect.
- Check Primary pipe alignment
- If equipped with surge brakes.
  - Bleed the brake lines.
  - Check the operation.
  - Test the override.
- Carefully inspect all of the hoses and harnesses running over the hitch for damage or routing issues.
- Inspect safety chain.
- Inspect hitch pin and hitch tongue for wear.
- Torque all wheel bolts to spec.
- Inspect the 7 pin aux plug at the back of the tractor and the back of the drill for corrosion or signs of a poor connection.
- Make sure all ECU connections are tight and clean.
- Check that the harnesses to the metering augers are routed neatly and the speed sensors are centered over the target within 1/8" of the target.
- Inspect all metering auger valves and motor for leaks.
- Lube the metering auger chains.
- Inspect metering auger bearings for smooth operation

- Remove end caps, replace bearings and repack bearing housing cavity with clean grease as needed
- Inspect the metering augers for wear or damage.
- Inspect the bin level sensors and check function.
- Inspect tank lid seals for damage
  - Verify lid latches are adjusted properly
  - Use a tank pressurization tool to check each tank for leaks if required
- Inspect metering down spouts for wear/ damage
  - Ensure downspouts are not too long.
- Inspect the hydraulic manifold, fittings and hoses for oil leaks.
- Inspect the hydraulic manifold harnesses for damage or routing issues.
- Inspect all hydraulic lines and hydraulic motor on the Conveyor or Load/Unload Auger for oil leaks.
- Run the Conveyor or Auger to check remote function.
- Check Fan speed sensors for proper adjustment.
- Inspect fan hoses for oil leaks, damage or routing issues.
- Inspect case drain line.
  - Test case drain warning by disconnecting one of the case drain sensor wires.
- Inspect fan motors for oil leaks.
- Ensure fan(s) can achieve the required rpm.
- Check 7" distribution system for any obstructions or debris
- Check all safety and working lights.
- Ensure metering back-pressure valve has no back-pressure added
- Grease all locations as per decal.
- Inspect conveyor belt and lacing
- Inspect conveyor hopper bearings
- Inspect conveyor drive roller for wear
- Ensure conveyor operates properly and is in the proper alignment – especially in the hopper
- Complete a full function test.
- Inspect inside each tank for paint damage and sweep/blow out any fertilizer or grain dust then put a little floor dry in each tank
  - It is best to not seal the tanks completely – leave the lid or the bottom clean-out cover open slightly.