



Picker clean down and inspection checklist.

The following checklist is intended as a guide. Please make sure all manufacturer safety guidelines and general workplace health and safety requirements are followed when working with machinery.

Come Clean. Go Clean.

Equipment should be cleaned with a decontaminant with the aim to remove any trash or residual mud:

1. Use high pressure water on all surfaces to remove all trash and mud.
2. Apply decontaminant (e.g. 10 per cent water dilution of Castrol FarmCleanse or equivalent).
3. Leave for 10 minutes (unless directed otherwise by the label) then rinse off.

More information on the steps of cleaning down can be found in the Come Clean. Go Clean fact sheet on the CottonInfo website (www.cottoninfo.com.au/publications/come-clean-go-clean).



COTTON PICKER: ROUND BALE

Clean down checklist:

- Row Units:** Inspect the picking heads externally and open all picking head inspection doors to expose the spindle bars, moisture towers (in between and behind the moisture pads), back moisture towers, doffers and rotor assemblies. Check the nose cones which can collect trash underneath.
- Doffers and Moisture Tower:** Inspect in around and behind these units.
- Carousel:** Inspect behind the picker bars in the middle of the carousel as a lot of trash can accumulate in this area.
- Air Ducts/Shoots:** Open rear inspection doors/shoots located behind the picking heads. Also inspect underneath your machine at the back of the heads where the shoot goes up as trash can accumulate in this area.
- Picking Heads:** Raise and support on blocks before inspecting the underside. **Safety Alert:** Picking heads held up by hydraulic pressure. Do not climb underneath unless heads are safely blocked in raised position.
- Cabin:** Depending on model type either remove top cabin panel or hinged roof to expose the air conditioning system and filtration unit. Also inspect internal cabin, particularly under the floor mat.
- Horizontal Air Ducts:** Remove/open all covers and inspection panels.
- Vertical Air Ducts:** Inspect the duct by looking down the duct from the top.
- External Accumulator Steps:** While climbing steps inspect the space in between the cabin and the cotton accumulator.
- Accumulator and Baler Roof:** This area does accumulate some trash so it is important to inspect the roof.
- Inside Accumulator:** Gain access through hinged door on the roof.

- Handler:** The handler comes in contact with the ground and plants when it drops modules so it is important to inspect this area for mud and trash. **Safety Alert: The fins/meshed surface area on accumulator roof will not support a person's weight. Walk only on the perforated metal walkways which run from front to back.**
- Undercarriage/Chassis:** Inspect underside of machine, chassis rails and telescopic rear axle if fitted. Check and clean area on top of and forward of the transmission.
- Accumulator:** Clean screens, front entry ducts to accumulator and area underneath and in front of the feeder belt, and in behind the cab (between the water tank and fuel tank) generally accessible when in transport mode.
- Rotary Screen:** Open up the rotary screen, and access the different sections to inspect for trash.
- Radiator:** Open hinged door on radiator. Inspect and clean trash expeller, radiator, transmission cooler cores and surrounding area.
- Engine Bay:** Access can be gained by taking covers off. Drop the belly plates and inspect area, e.g. hydraulic motors and back of engine bay. Dropping the belly plate allows trash to be easily dropped to the ground and area to be cleaned down.
- Tyres and Wheels:** Inspect the on top of the axels, steering knuckles, final drives and rims for soil and plant residues.
- Other areas:** Other areas such as mud scrapers and tool boxes are all places where mud and trash can accumulate.

Area	Inspection points	Checked?
Picker (in harvest mode)	Cab	
	Engine compartment	
	Wheels/steering	
	Behind Cab, tanks, cotton ducts	
	Top of picker	
	Undercarriage of picker	
Picker heads (in harvest mode)	Moisture tower	
	Doffers	
	Spindle bars - between and on	
	Crop lifters and cones	
Delivery system (in harvest mode)	Doors	
	Suction entry	
	Suction exit	
Handler and wrap area (in harvest mode)	Handler	
	Wrap magazine and roller area	
	Rear gate belt guides	
Accumulator (raised, in transport mode)	Floors, walls and finger grates	
	Augers	
	Feed roll system	
	Under accumulator	
Round baling area (in service mode)	Feed belt	
	Around and under baling belts	
	Floor	
	In gate opening	
Trailer (if using one)	In and around chains	
	Chassis/framework	



COTTON PICKER: BASKET

Clean down checklist:

- Row Units:** Inspect the picking heads externally and open all picking head inspection doors to expose moisture racks, doffers, spindle bars and rotor assemblies.
- Doffers and Moisture Racks:** Inspect in around and behind these units.
- Rotor Assemblies:** Manually rotate and inspect.
- Air Ducts:** Open rear inspection doors located behind the picking heads.
- Picking Heads:** Raise and support on blocks before inspecting the underside. **Safety Alert: Picking heads held up by hydraulic pressure. Do not climb underneath unless heads are safely blocked in raised position.**
- Cabin:** Depending on model type either remove top cabin panel or hinged roof to expose the air conditioning system and filtration unit. Also inspect internal cabin, particularly under the floor mat.
- Horizontal Air Ducts:** Remove/open all covers and inspection panels.
- Vertical Air Ducts:** Inspect the duct by looking down the duct from the top.
- External Basket Steps:** While climbing steps inspect the space in between the cabin and the cotton basket.
- Basket Roof:** Inspect the basket roof. **Safety Alert: The meshed surface area on basket roof will not support a person's weight. Walk only on the perforated metal walkways which run from front to back.**
- Inside Basket:** Gain access through hinged door on the roof. Use a ladder to descend into the basket and inspect from the inside.
- Undercarriage/Chassis:** Inspect underside of machine, chassis rails and telescopic rear axle if fitted.
- Basket:** Tip or elevate basket (depending on model type) and inspect underside, drive shaft assemblies, blower fan and hollow basket support frames. **Safety Alert: The basket is operated hydraulically. Do not climb under basket unless it is safely secured into raised position.**
- Radiator:** Remove cover panel to expose top of radiator (this can only be done when basket is in the raised position). Inspect radiator and surrounding area.
- Side and Rear Screens:** Remove or hinge open all screens on the engine, radiator and fuel bays and inspect the areas inside.
- Tyres and Wheels:** Inspect for soil and plant residues, paying particular attention to spaces where material can be caught.

MODULE BUILDER/TRACTOR

Clean down checklist:

- Tyres and Wheels:** Inspect for soil and plant residues, paying particular attention to spaces where material can be caught.
- Tramper and housing:** Check this area for any remaining trash residues.
- Door:** Inspect joints & other material catch points
- Operators platform:** Inspect platform including steps. **Safety Alert: Do not get on the module floor unless feeder system is off and locked out.**

For more, check out CottonInfo's video with St. George cotton grower Peter Blokman as he works through how he cleans down his 7760 picker and a few of the spots where you should be looking to stop the spread of disease and mealybugs: www.youtube.com/cottoninfoaustr.

