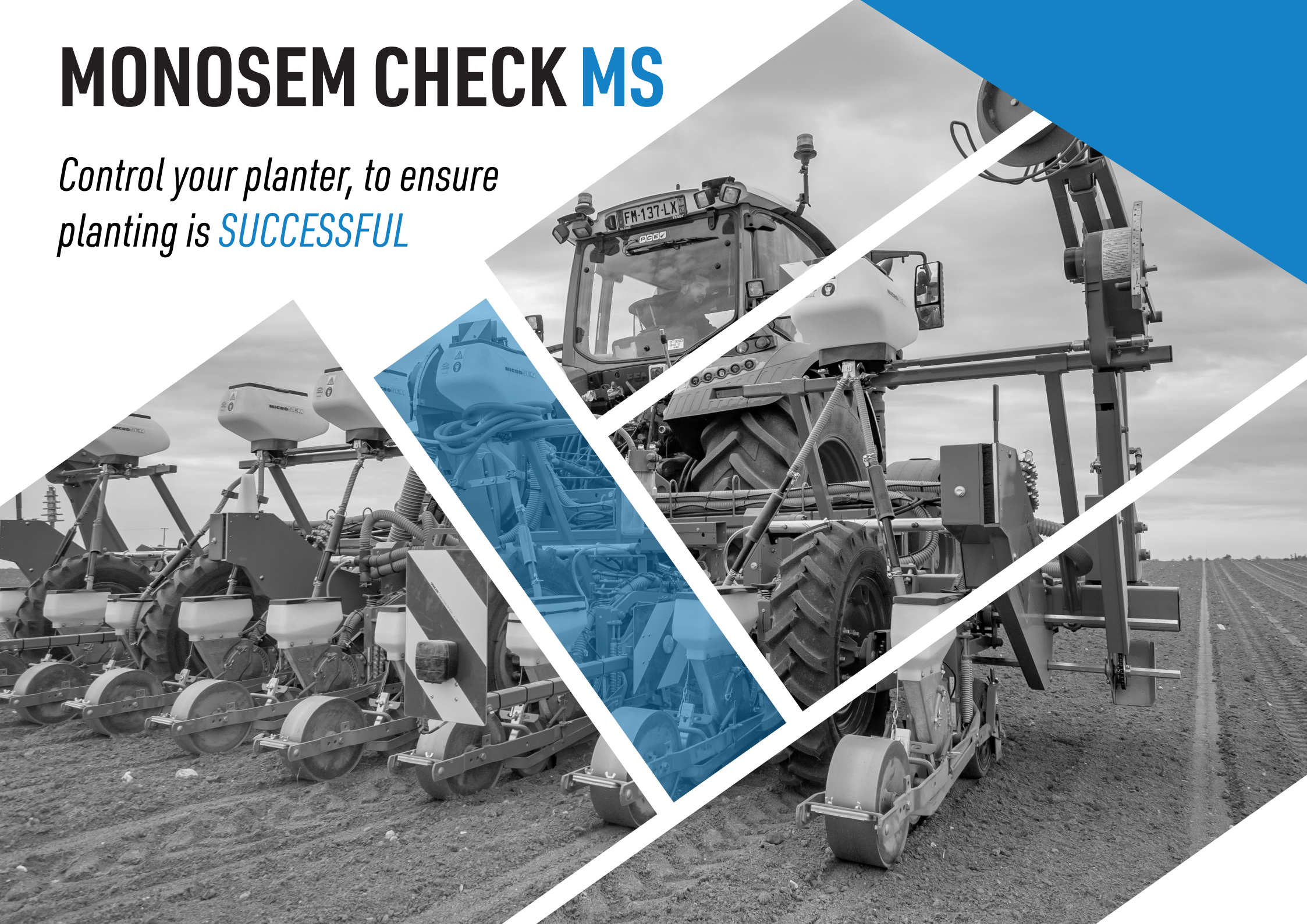
MONOSEM CHECK MS

Control your planter, to ensure planting is SUCCESSFUL



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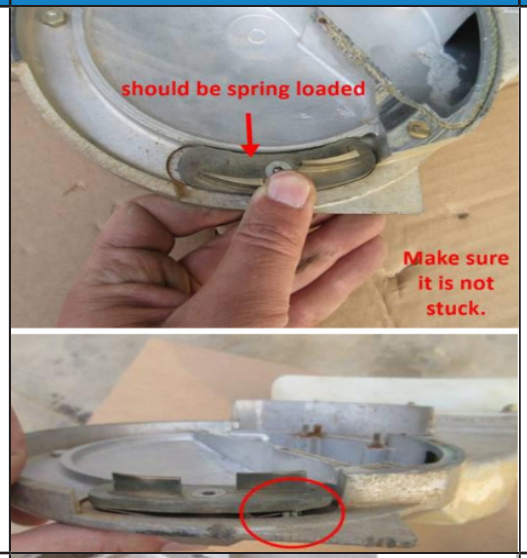
Last name / first name :	
E-mail :	
Date of inspection :	
Address :	
City :	
Postal code :	
Planter model :	
Serial number :	
Year :	

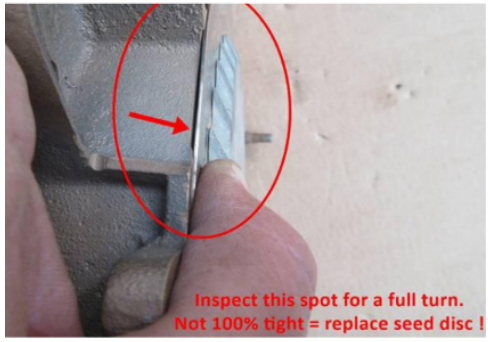
1 - ASPIRATION

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. PIPES AND HOSES	- Check the condition of the hoses: tightness and condition (no punctures or cuts).	A loss of suction can lead to missed selections and irregular seeding.		+	N/C	-	
02. TURBINE BELT	- Remove and check the condition of the belt. If there are snags, cracks, or uneven wear: replace the belt.			+	N/C	-	
03. TURBINE BEARINGS	- Remove the belt and then rotate the pulley by hand. If there is play and/or abnormal noise: replace the bearings.			+	N/C	-	

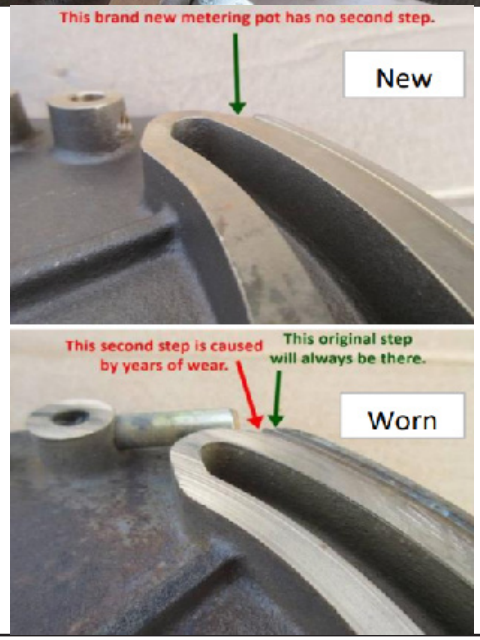
2 - DISTRIBUTION BOX

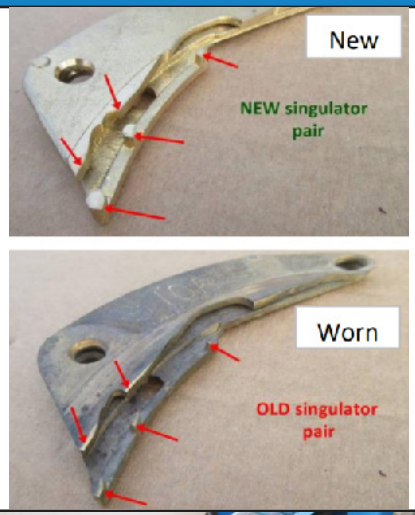
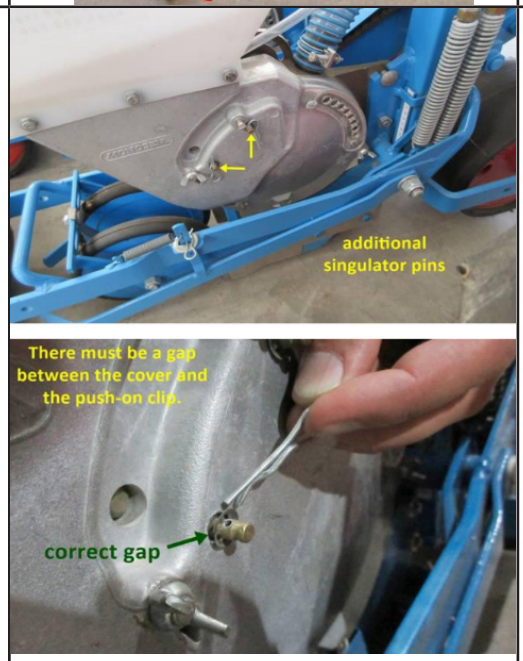
Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. SUPPORT PINS	- Check that the support pins are not stuck.			+	N/C	-	
02. EJECTOR PIN	- Check that the pin (ref 10073041) does not remain stuck. Make sure it operates without using any lubricant or penetrating oil. The use of any type of oil inside the MS metering unit will have a negative effect on seed selection.			+	N/C	-	
03. ROPE AND CONDITION OF THE COVER	- Ensure that the rope in the housing is in good condition. This rope acts as a seal and prevents seeds from escaping. Also, make sure it is well seated in the groove to prevent it from rubbing against the agitator. - If the housing has deep scratches like these, it is necessary to closely inspect the condition of the seed disc and the agitator. The scratches need to be sanded with sandpaper.	This cord serves as a seal and prevents the seeds from escaping.		+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
04. EJECTOR	- Check that the ejector is supported by a curved blade (acting as a spring) and that there are no lodged seeds. Also, ensure that the square nut located behind the cover is well-centered in its groove to avoid friction.			+	N/C	-	
	- If the surface of the ejector (ref 20032009) is shiny, it means it is still in contact with the disc and therefore in good condition. If the surface is dull, it means it is no longer in contact with the disc, so the ejector needs to be replaced.			+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
05. SEED DISCS	- Make sure that you can easily remove the disc from its position without applying force. If the disc does not come off easily, take sandpaper and sand inside the agitator (ref 20032007).	The slightest gap will cause a loss of suction, and the seeds will not adhere to the disc as they should.		+	N/C	-	
	- Inspect the seed disc holes to ensure that no seed particles are stuck in them.			+	N/C	-	
	- Turn the disc by hand for one full rotation. Ensure that the edge of the disc remains in contact with the brass distribution box throughout the full rotation. A wobbling disc indicates mishandling. It may have been removed using a screwdriver, dropped, or stepped on. In summary, be very careful with the handling of the discs.		 	+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
06. AGITATORS	- Make sure that the agitator (ref 20032007) is perfectly adhered to the disc and does not have any burrs or anything that prevents it from staying 100% tightly against the seed disc.	The MS planter is designed for small seeds, and no loss of seal inside the box is tolerated. Improper adjustment of the agitator on its disc could result in significant damage.	 	+	N/C	-	
	- Also ensure that all the nuts (ref 10072090) are in place and tightly secured (using an 8mm wrench). If a hole is damaged, replace the agitator.			+	N/C	-	
07. BEARINGS	- Remove the drive chain and rotate the central shaft to check the condition of the bearings (ref 10161047). Replace any bearings that do not rotate smoothly at 100%.			+	N/C	-	
08. HOSES	- Check that the 35mm suction hose is securely attached to the brass box. Ensure that the plastic piece (ref 10200120) is also correctly attached to the box. Try to remove it. If you succeed, reattach it using the appropriate adhesive.			+	N/C	-	

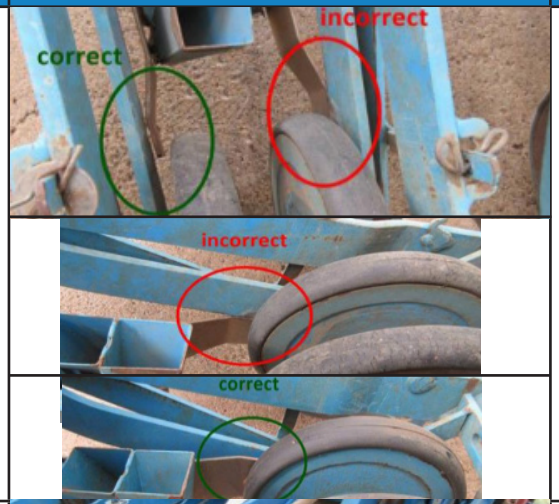
Components	Checkpoints	Consequences	Pictures	Condition			Comments
09. DISTRIBUTION BOX	- Inspect the surface where the disc rubs against the housing. If there is a significant irregularity like this, also check the condition of the disc. You will need to replace the housing body (ref 20032012) and the disc.		 	+	N/C	-	
	- Check for wear at the bottom of the distribution box near the small part that provides the pressure to clean the holes inside the disc. In the photo, the second depression (red arrow) is due to disc wear on the housing body. If it is deeper than the original stop (green arrow), it is time to replace the brass housing body.			+	N/C	-	

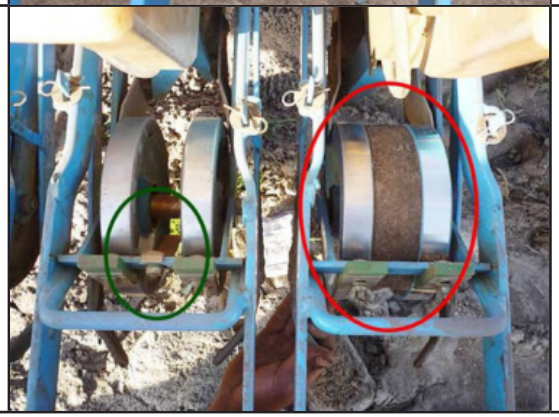
Components	Checkpoints	Consequences	Pictures	Condition			Comments
10. SELECTORS	- The friction of the seeds and the disc wears down the edges of the selectors. When they are excessively worn, marks and scratches are visible on the entire surface that is in contact with the disc, indicating that they need to be replaced. If you are unsure about the wear, consider replacing them on one row and monitor their performance compared to the other rows. If you find that the new set works better than the old ones, replace them on the remaining rows.	Proper adjustment of the selectors (ref 20032003 and 20032008) is essential for accurate seed selection.		+	N/C	-	
11. PINS	The two pins on the outside of the housing (ref 10073033) rub against the disc below the lower line of disc holes and remove excess seeds just before the selectors finish their job, leaving only one seed in each hole. You cannot adjust these pins but only deactivate them by removing them and inserting the pin (ref 10159022).			+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
11. PINS	If the retaining clips (ref 10990086) do not come into contact with the cover, then the pins are still good. If the retainin clips are in close contact with the cover, then the pins are not making contact with the disc and need to be replaced.		 	+	N/C	-	

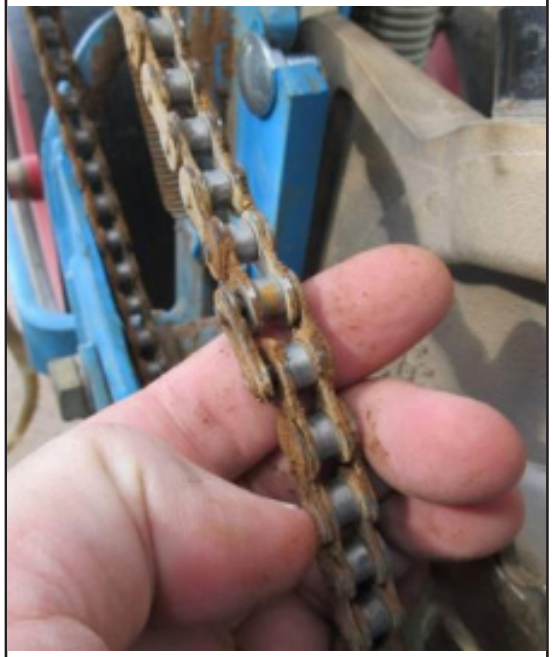
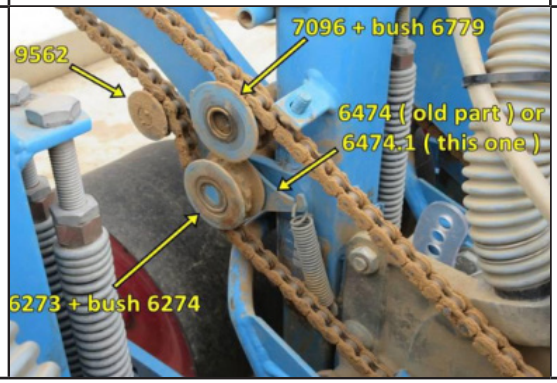
3 - PLANTING

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. SEED TUBES	- It is essential to thoroughly check the condition of the seed tubes of the MS shares. The seed tubes should be regularly inspected, and if they are not perfectly smooth at 100% or if they have a wavy outlet, they should be replaced.	The slightest deformation of the tube at its lower outlet will significantly disrupt seed placement and spacing. Tiny seeds like onions or carrots can easily pass over even the smallest imperfection.		+	N/C	-	
02. TIPS	- The tips will wear out over time. They should be replaced when they are no longer sharp but rounded.	If the tips are replaced too late, the will be too low during planting. As a result, the seed tubes will be buried too deeply in the soil, creating a risk of seed skips.		+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
03. WINGS	- It is important to check that the wings are not bent inwards, as this could cause friction against the mid-wheels and damage the rubber tires or coatings. - If stones or larger clods bend the wings outwards, this will result in more significant but less obvious damage. The wing will slip under the support of the mid-pressure wheels and prevent these wheels from performing their function.	The wheels provide excellent seed-to-soil contact, which is why it is important that they are in good condition.		+	N/C	-	
04. SCRAPERS	- The intermediate scrapers (refs 65103399 and 65103398) cover the seeds with soil, which is why they are slightly curved inwards. To eliminate play, you must tighten the hinge bolt with two 24mm wrenches. In some cases, the vertical plate with the six holes must be straightened before tightening the hinge bolt.	If the scrapers are not correctly positioned and have excessive play, they will not be able to perform their function properly.		+	N/C	-	
	- The vertical plate allows for adjusting the height and pressure of the intermediate scrapers by hooking the spring and pin into different holes and using more or fewer washers underneath. In sandy conditions, it may be advisable to completely remove the spring.	Uneven adjustment of the scrapers will result inuneven soil coverage and inconsistent germination. It is important to ensure that all scrapers are adjusted in the same manner!		+	N/C	-	

Components	Checkpoints	Consequences	Pictures	Condition			Comments
05. INTERMEDIATE WHEEL	- Replace each tire that is worn, damaged, or cracked. - Be sure to check all bearings.		 	+	N/C	-	
06. STAINLESS STEEL DEPATTEUR	- Check the stainless steel scraper (ref 20037290) which should be positioned correctly, slightly bent forward between the two narrow press wheels. This stainless steel plate prevents the two wheels from picking up soil together (as shown in the photo on the right).			+	N/C	-	

4 - MECHANICAL DRIVE

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. CHAINS	- A chain in poor condition will transmit vibration to the seed disc and could result in seed drop or poor uptake. Replace the chains at the first sign of wear before it causes irregular spacing.			+	N/C	-	
02. CHAIN IDLERS AND TENSIONERS	- Also check the condition of all idlers and chain tensioners.			+	N/C	-	

5 - OIL FILTER

Components	Checkpoints	Consequences	Pictures	Condition			Comments
01. OIL FILTER	- The oil filter is positioned in the center of the pressure tube. It collects dirt and seed particles before they are blown into the distribution housing. We recommend filling the oil filter with heavy oil for effective filtration. Be cautious not to overfill it as well.	If it is not cleaned regularly, it will fill up with dirt and eventually clog the transparent tubes that descend towards the distribution housings with soil and dirt.		+	N/C	-	