



KAMPAG

We evolve with Agriculture

Technical Manual

High Performance Assembly Feed Accelerator





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Introduction

Congratulations! You have just purchased a KAMPAG product, specially developed to achieve **high productivity, quality, efficiency and durability**.

Please read this manual carefully before using it on your equipment, as it contains essential information to obtain maximum performance and safety, as well as extend the lifetime and reduce maintenance costs of the equipment you purchased.

The **parts catalog** throughout this manual is essential for your guidance in case you need to replace any component.

For any requests, questions or suggestions, please contact us:

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kampag.oficial

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1 – General Information

This manual contains the main information regarding the product High Performance Assembly Feed Accelerator for narrow and wide body John Deere combines. All Feed Accelerator are factory tested and balanced. For more information, please contact business support. KAMPAG is not liable for damages caused by:

- Misuse of the product
- Use by unqualified and/or inexperienced personnel
- Incorrect installation (if by customer)
- Unauthorized work or alterations
- Use of non-original parts
- Exceptional events.

2 – Warranty Term

2.1 – Supplier Identification

KAMPAG INDUSTRIAL LTDA, n° 13.552.558/0003-08, headquartered at Highway RS 342, Km 6, Três de Maio, CEP 98910-000. Brazil

2.2 – Warranty effectiveness range period

2.2.1 This warranty term is valid for 12 (twelve) months, from the date of issuance of the product's invoice and the warranty is for the entirety of the Feed Accelerator, even the wear parts.

2.2.2 The warranty is automatically terminated after the expiration of the periods mentioned in this term. In the event that technical work is carried out by third parties on the product without the express consent of KAMPAG, the warranty will be terminated immediately. Any report of failure must be confirmed by qualified KAMPAG employees or KAMPAG's authorized third party.



2.3 – Warranty Scope

2.3.1 The warranty includes all technical interventions necessary for the operation of the product under the conditions provided for in its technical specifications, standards, legislation. For the Feed Accelerators perfect operation is understood when, after service, the equipment is operational as required by the contract, and the other functionalities are identical to those of the factory.

2.3.2 Excluded from this Warranty Term are defects or damages resulting from:

- I. Failures caused by any changes in the product;
- II. Exchange of parts for non-KAMPAG original ones;
- III. Any defect pointed out by the purchaser or dealer arising from repair, replacement of parts and/or components or other service performed by a third party, without authorization from the manufacturer (KAMPAG);
- IV. When the defect is due to an accident;
- V. The warranty on complete parts and/or components is extinguished with the warranty period of the product;
- VI. The replacement of complete components will only be carried out in the event that the defect cannot be remedied and replaced by parts that compose it.
- VII. Eventual delays in the execution of the services do not entitle the owner to compensation or extension of the warranty period;
- VIII. Changes in models, parts, components and prices may be made by the manufacturer without prior notice

2.3.3 KAMPAG does not assume the obligation to comply with a product that has already been installed, to implement updates later introduced in latest products of the same model;



2.3.4 KAMPAG reserves the right to evolve and improve the products of its manufacture at any time, independent of Prior communication.

2.4 - Warranty Certificate

2.4.1 The Warranty Certificate, see attachment to this manual.

Important: If the product proves to be defective during the warranty period, contact the manufacturer or authorized dealer exclusively.

3- Safety Measures

3.1 The precautions below refer to the installation issues of the KAMPAG product and for that, they must be considered in preventive/corrective maintenance plans of the harvester to which it will be installed;

- During the installation of the product, have a helper to lock and unlock the spindle swivel when necessary. If it is not possible to have a helper, the locking of the system **MUST** be done in the same way to avoid accidents. (View in Assembly Instructions);
- Test the equipment after installation. If you identify any vibration or imbalance coming from the product, check if the wear plates are firmly bolted;
- Always entrust the machine to trained operators;
- Periodically test the system for balance;
- Periodically check that the bolts and nuts that secure the wear plates and covers are secure.



4 - Technical Product Information

4.1 – Product Identification

When requesting spare parts or technical assistance, please provide the serial number of the Feed Accelerator, marked in the central part of the covers, as shown below.



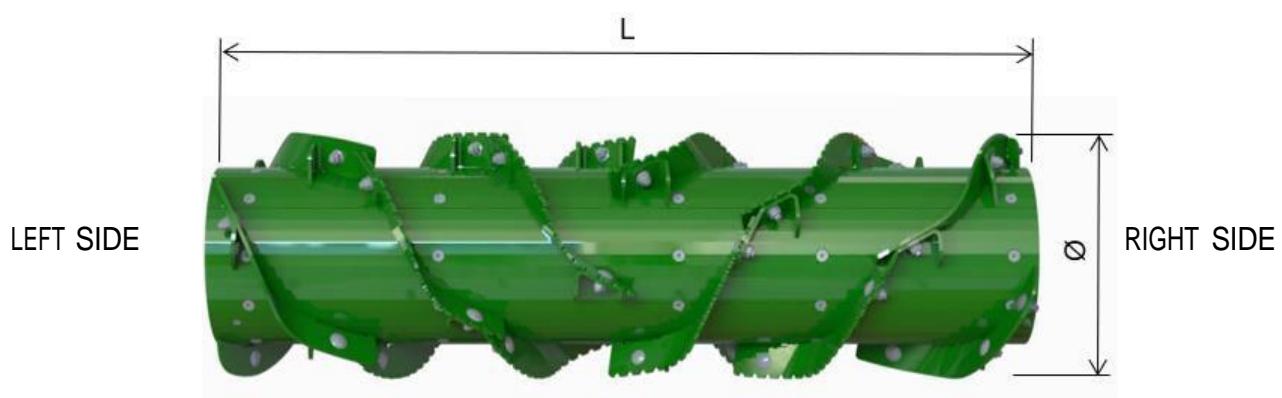


4.2 – Dimensions per model

The following table shows the combine models (harvesters) to which each Kampag module applies and is compatible, being Narrow Body or Wide Body

KAMPAG Feed Accelerator	Diameter (Ø) X Length (L)	Combine models
KPF00000012 (narrow)	Ø420 X 1094mm	/S540/S550/STS9560/STS9570/ /STS 9470/
KPF00000009 (wide)	Ø420 X 1370mm	/S650/S660/S670/S680/S690/ /S760/S770/S780/S790/ /STS 9650/STS 9750/ /STS 9660/STS 9760/STS 9860/ /STS 9670/STS 9770/STS 9870/

Note: When the terms "right side" and "left side" are used, they are referred to in relation to the position of the operator in the direction of travel of the harvester.





5 – Assembly Procedure

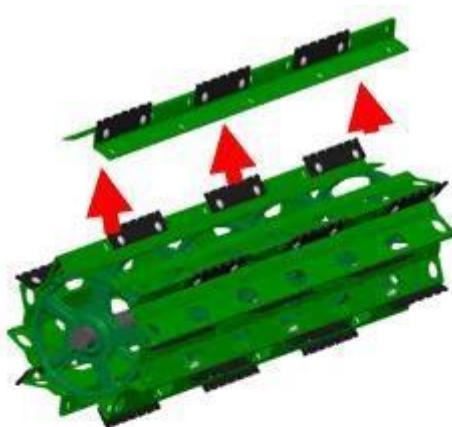


STEP 1: LOWER THE FEEDER

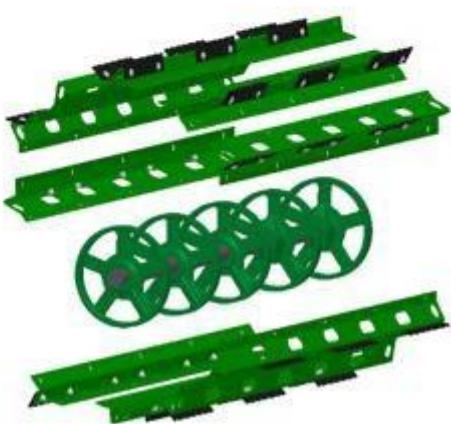
The feeder must be lowered to its maximum stroke, for full access to the components to be modified or removed



STEP 2: DISMANTLING METAL ENCLOSURES FROM ABOVE THE FEED ACCELERATOR



STEP 3: TOTAL REMOVAL OF THE ORIGINAL CROSSBARS



STEP 4: CLEAN THE DIRT IMPREGNATED ON THE FLANGES AND SHAFT

Unlatch the stone trap lid for easy removal of dirt



STEP 5: EVALUATE ALL FLANGE/HUB THREADS

If the threads are ok, move on to the next page.
For the threads with a problem, do the rework procedure below



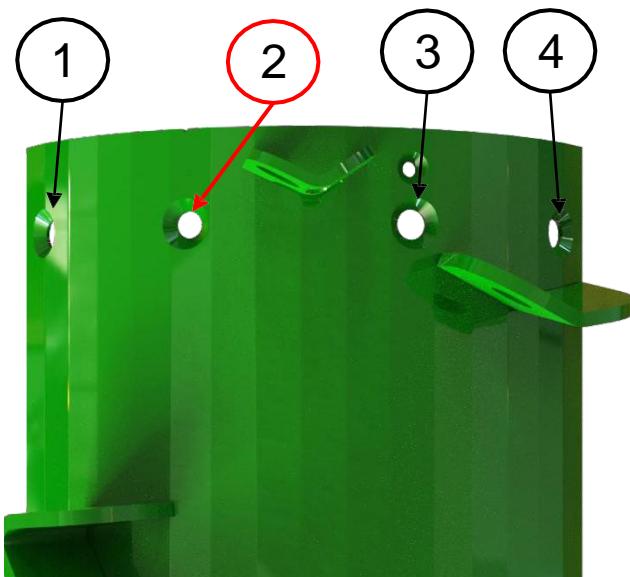
REWORK 1: REDRILL WITH DRILL DIAMETER 10.5mm



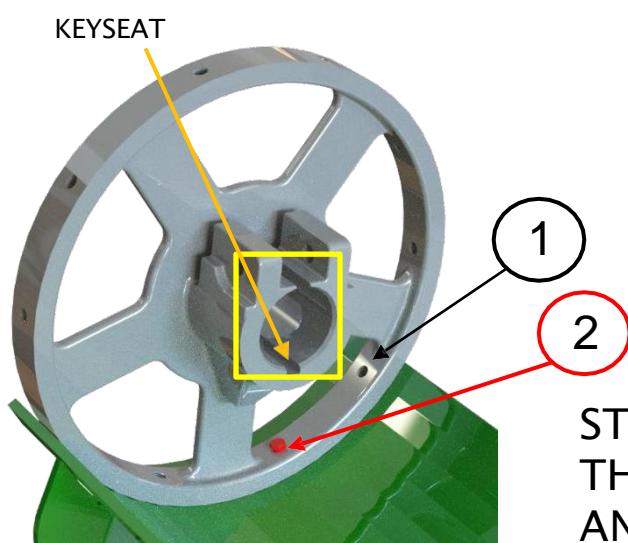
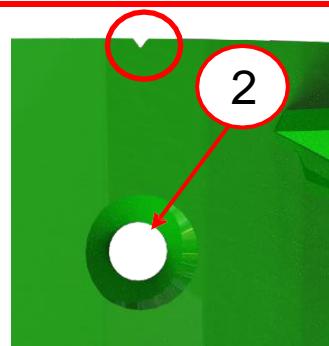
REWORK 2: THREADING WITH M12X1.5 TAP



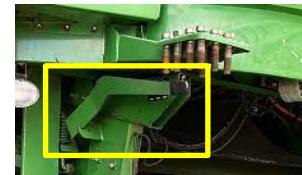
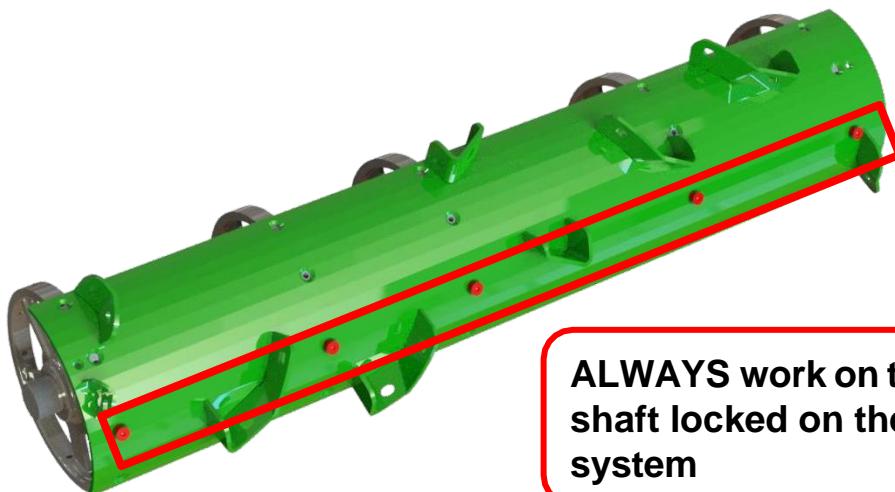
REWORK 3: WITH A SIMPLE OR SPECIAL TOOL, INSERT THE HELICOIL WITH THREAD-LOCKING GLUE

**STEP 6: SELECT THE COVER THAT CONTAINS 04 HOLES**

The entire line indicated in orifice 2, also indicated on the cover plate as per the detail, in the length has a smaller hole, which will be the first one to be screwed



STEP 7: POSITION THE COVER BY THE SAME SIDE OF THE KEYSEAT AND THE SMALLER HOLE



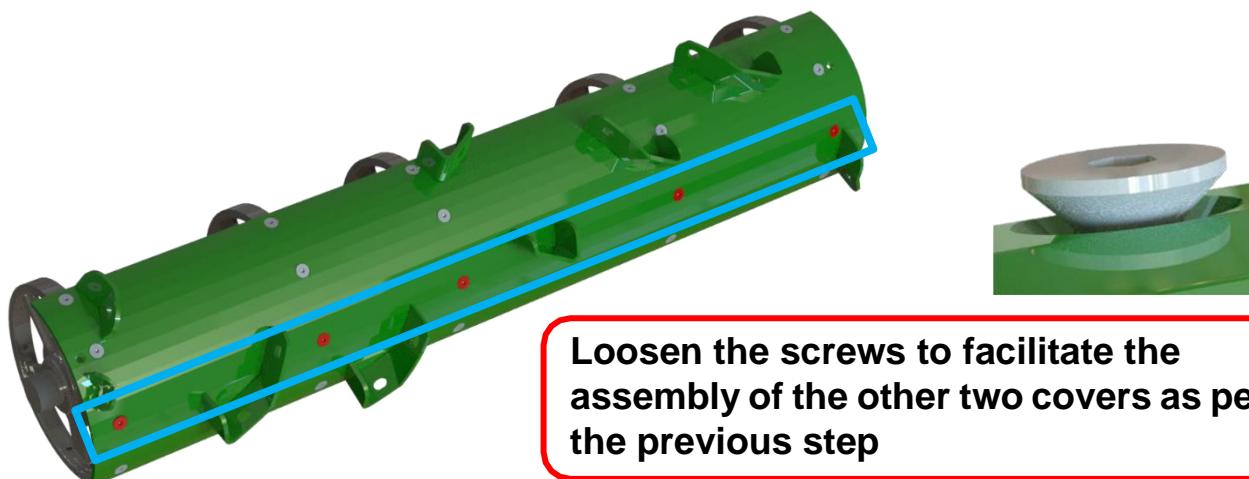
ALWAYS work on the assembly with the shaft locked on the machine's safety system

STEP 8: TIGHTEN THE COUNTERSUNK SCREW THREAD OF THE SMALLER ALIGNED HOLES (2)



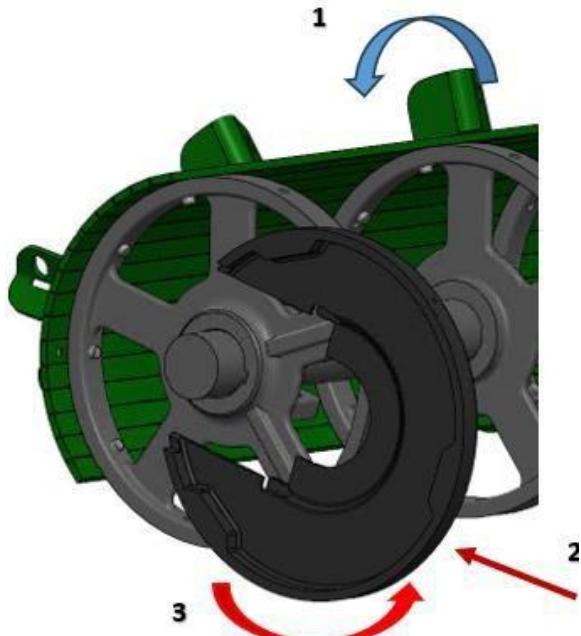
Final tightening will be done only after you have all the covers assembled

STEP 9: ASSEMBLE THE REST OF THE SCREWS OF THE COVER WITHOUT TIGHTENING, LEAVING A SMALL SPACING



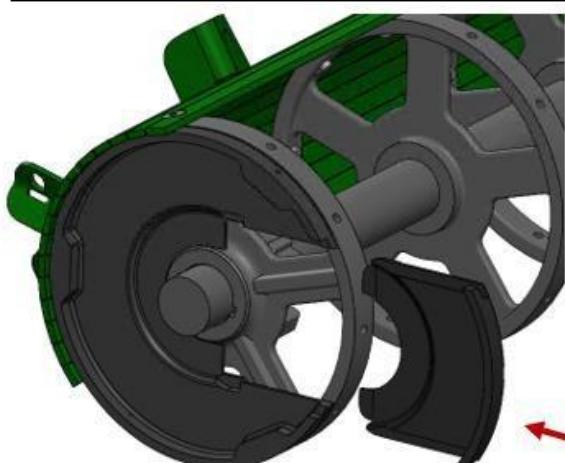
Loosen the screws to facilitate the assembly of the other two covers as per the previous step

STEP 10: LOOSEN THE FIRST SCREWS (SMALLER HOLES)



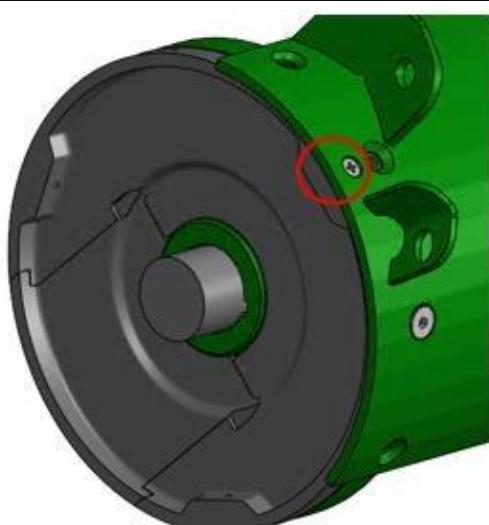
STEP 11: ASSEMBLING THE SEALING COVERS – PART 1

First, unlock the spindle, rotate the module to the inside of the machine (1), LOCK the spindle again, insert the larger part of the side seal (2) and rotate (3) so that the drawer is forward

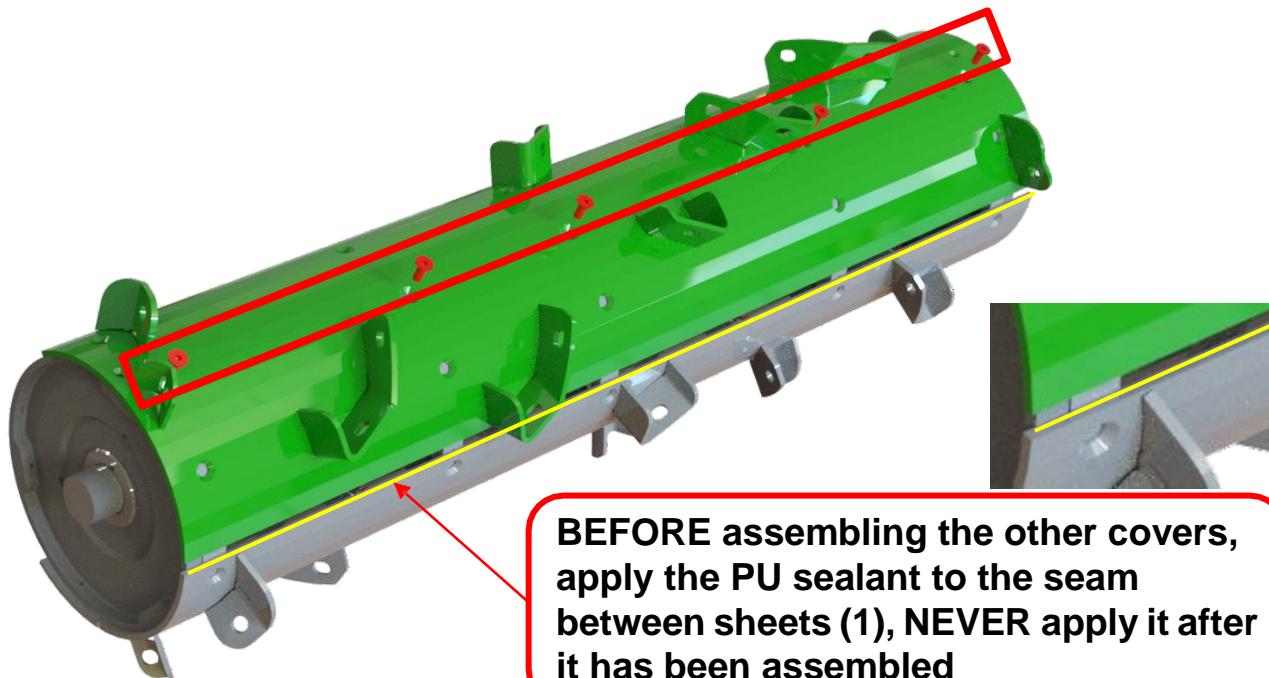


STEP 12: ASSEMBLING THE SEALING COVERS – PART 2

Finish assembling the seal with the smaller part. Check the fit and repeat the procedure on the other side

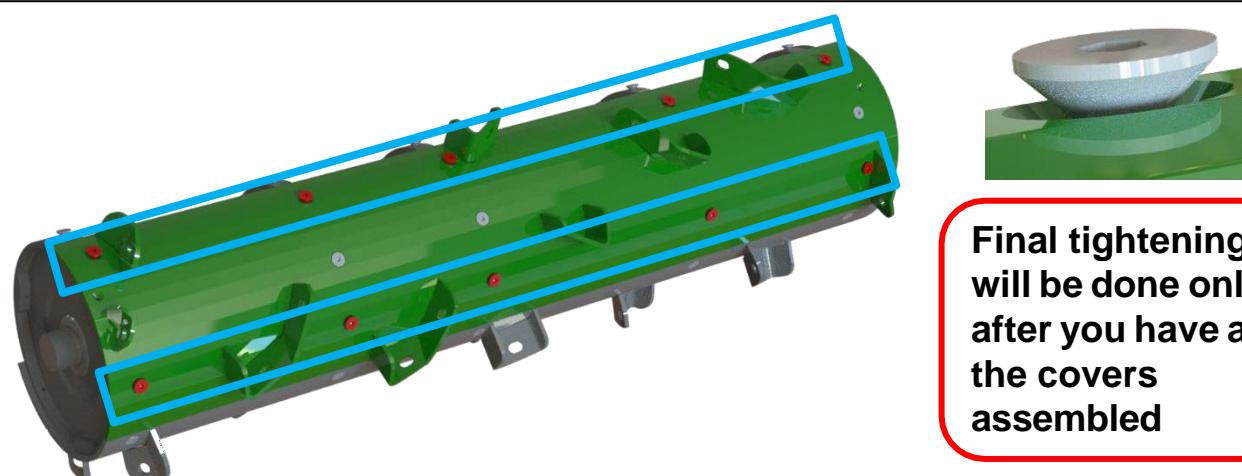


STEP 13: ATTACH THE SIDE SEAL WITH CROSS-SLOTTED SCREW-IN SCREWDRIVER ON BOTH SIDES ON THE FIRST COVER

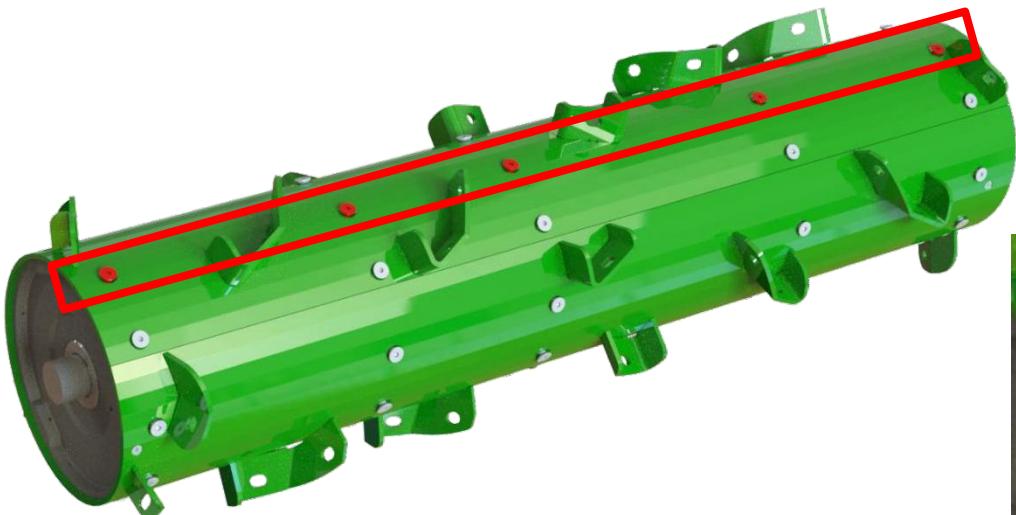


STEP 14: ASSEMBLE THE SECOND COVER, APPLYING THE PU SEALANT TO THE ALREADY ATTACHED COVER AND FIXING WITH LIGHT TIGHTNESS ON THE CENTRAL SCREWS

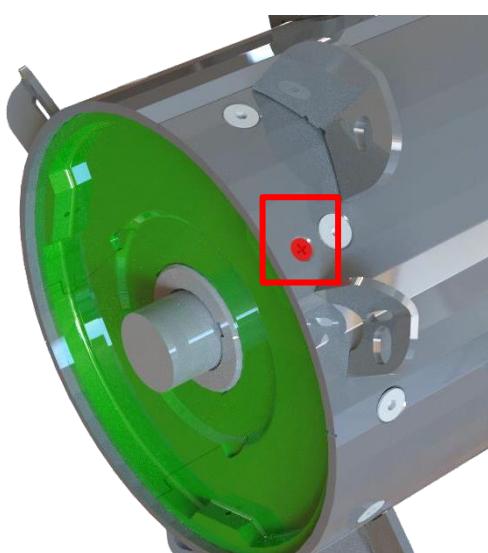
*Applying the PU sealant is an unnecessary step if you purchased the version with rubber seals



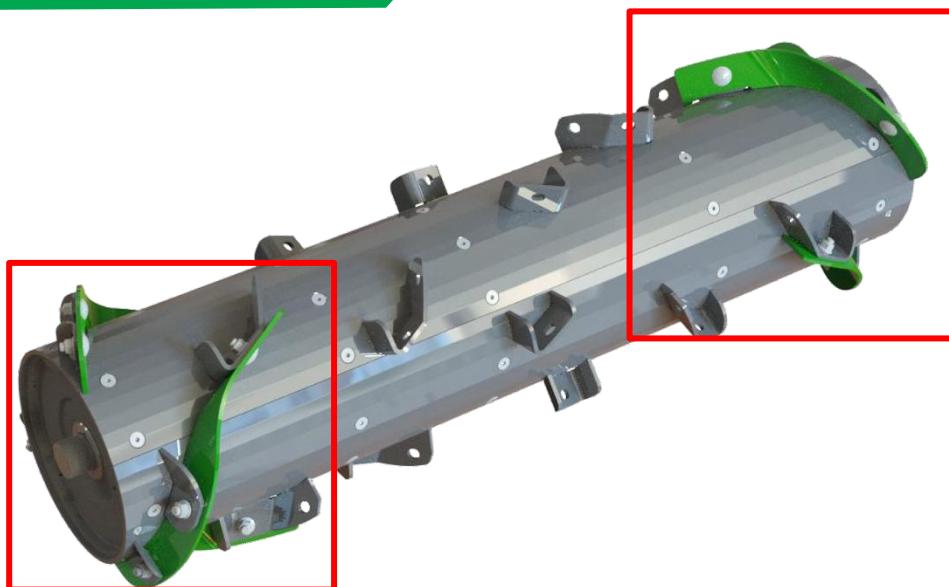
STEP 15: ASSEMBLE THE REST OF THE SCREWS OF THE COVER WITHOUT TIGHTENING, LEAVING A SMALL SPACING, THEN LOOSEN THE SCREWS FROM THE PREVIOUS STEP



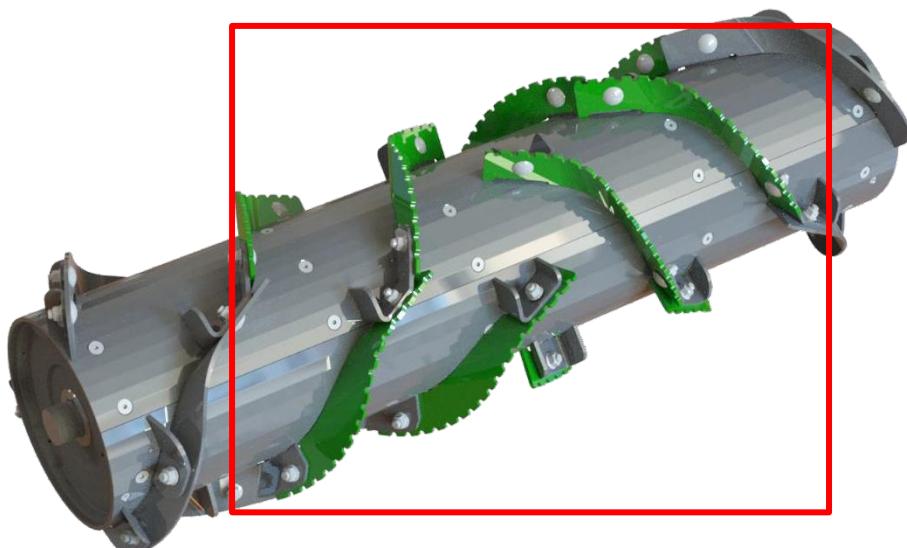
STEP 16: REPEAT STEPS 14 AND 15 ON THE LAST COVER. WITH ALL THE SCREWS PRE-POSITIONED, START THE FINAL TIGHTENING THROUGH THE COVER WITH 04 HOLES APPLYING 72 Nm, ALWAYS STARTING WITH THE CENTRAL HOLES OF EACH COVER



STEP 17: MOUNT THE REST OF THE CROSS-SLOTTED SCREWS TO THE SIDE SEAL

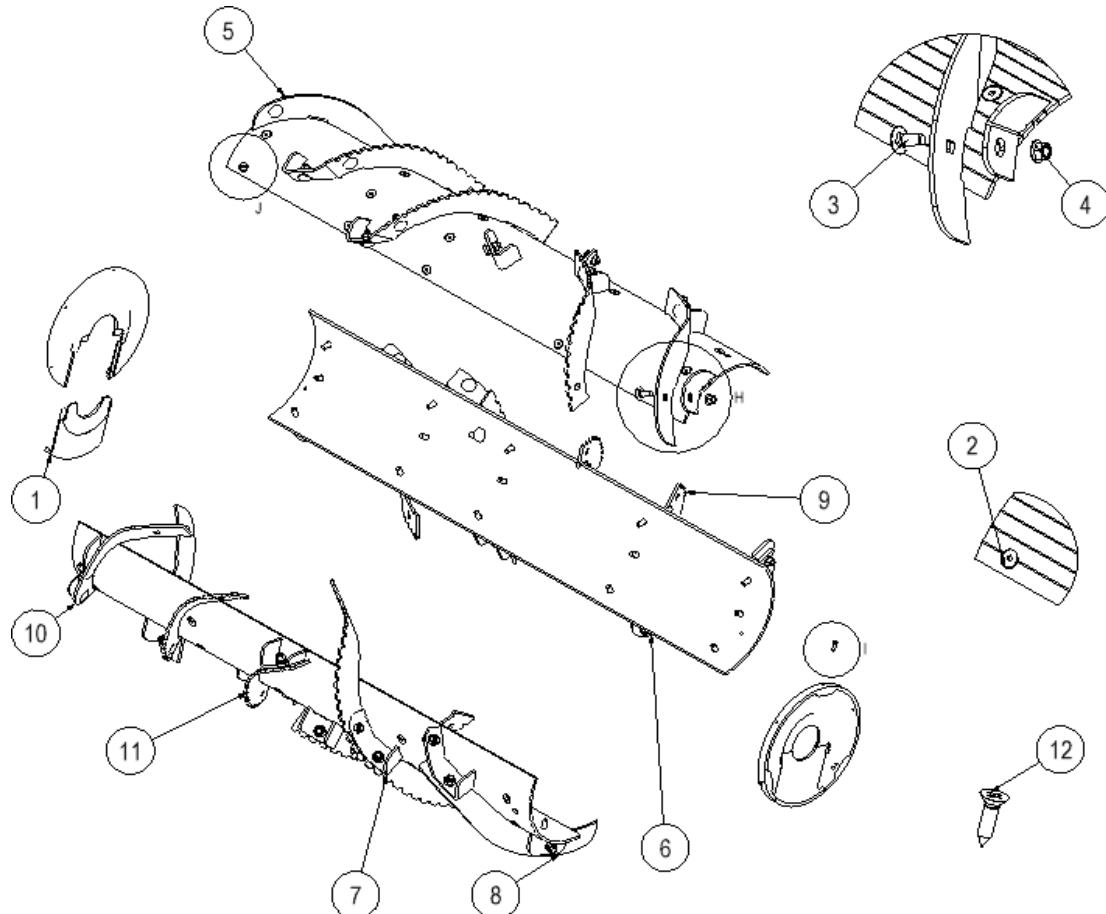


STEP 18: MOUNT THE SMOOTH WEAR PLATES ON THE ENDS USING THE BOLTS AND NUTS APPLYING 120 N.m TORQUE



STEP 19: MOUNT THE TOOTHED WEAR PLATES IN THE CENTRAL PART OF THE FEED ACCELERATOR USING THE BOLTS AND NUTS APPLYING 120 N.m TORQUE

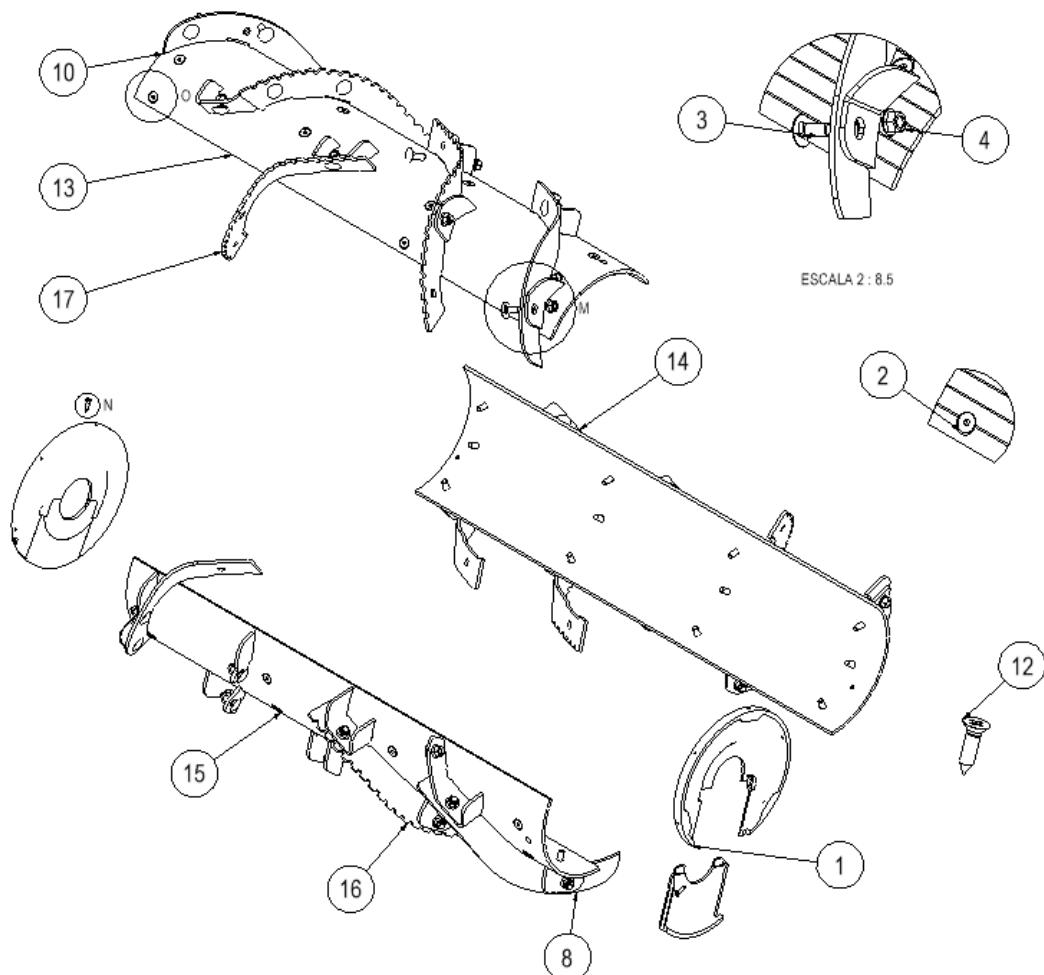
STEP 20: CHECK ALL BOLTS TO AVOID LOOSE COMPONENTS

**6 – PARTS CATALOG****High Performance Assembly Feed Accelerator wide body (SKU.: KPF00000009)**

ITEM	DESCRIPTION	QUANTITY
1	SIDE SEAL COVER	2
2	COVER SCREW - M10-1.5 ZINC PLATED ALLOY STEEL, 25 MM LENGTH MACHINE SCREW	50
3	CARRIAGE BOLT, SQUARE NECK ROUND HEAD, CLASS 10.9 M12 X 1.5MM X 30 MM	39
4	FLANGE NUT, M12-1.50MM	39
5	COVER 1	1
6	COVER 2	1
7	COVER 3	1
8	LEFT SMOOTH WEAR PLATE	3
9	LEFT TOOTHED WEAR PLATE	6
10	RIGHT SMOOTH WEAR PLATE	3
11	RIGHT TOOTHED WEAR PLATE	6
12	SELF-TAP, FLAT HEAD, PHILLIPS SCREW 4.8MMX25MM	6



High Performance Assembly Feed Accelerator narrow body (SKU.: KPF00000012)



ITEM	DESCRIPTION	QUANTITY
1	SIDE SEAL COVER	2
2	COVER SCREW - M10-1.5 ZINC PLATED ALLOY STEEL, 25 MM LENGTH MACHINE SCREW	40
3	CARRIAGE BOLT, SQUARE NECK ROUND HEAD, CLASS 10.9 M12 X 1.5MM X 30 MM	33
4	FLANGE NUT, M12-1.50MM	33
8	LEFT SMOOTH WEAR PLATE	3
10	RIGHT SMOOTH WEAR PLATE	3
12	SELF-TAP, FLAT HEAD, PHILLIPS SCREW 4,8MMX25MM	6
13	COVER 1	1
14	COVER 2	1
15	COVER 3	1
16	LEFT TOOTHED WEAR PLATE	3
17	RIGHT TOOTHED WEAR PLATE	3



SKU: **KPF00000051** - TOTAL Replacement kit for wear plates **Wide Body**

ITEM	DESCRIPTION	QUANTITY
10	RIGHT SMOOTH WEAR PLATE	3
8	LEFT SMOOTH WEAR PLATE	3
11	RIGHT TOOTHED WEAR PLATE	6
9	LEFT TOOTHED WEAR PLATE	6
3	CARRIAGE BOLT, SQUARE NECK ROUND HEAD, CLASS 10.9 M12 X 1.5MM X 30 MM	39
4	FLANGE NUT, M12-1.50MM	39

SKU: **KPF00000052** - TOTAL Replacement kit for wear plates **Narrow Body**

ITEM	DESCRIPTION	QUANTITY
10	RIGHT SMOOTH WEAR PLATE	3
8	LEFT SMOOTH WEAR PLATE	3
17	RIGHT TOOTHED WEAR PLATE	3
16	LEFT TOOTHED WEAR PLATE	3
3	CARRIAGE BOLT, SQUARE NECK ROUND HEAD, CLASS 10.9 M12 X 1.5MM X 30 MM	33
4	FLANGE NUT, M12-1.50MM	33

SKU: **KPF00000053** - Replacement kit for Smooth wear plates **Wide & Narrow Body**

ITEM	DESCRIPTION	QUANTITY
10	RIGHT SMOOTH WEAR PLATE	3
8	LEFT SMOOTH WEAR PLATE	3
3	CARRIAGE BOLT, SQUARE NECK ROUND HEAD, CLASS 10.9 M12 X 1.5MM X 30 MM	15
4	FLANGE NUT, M12-1.50MM	15



SKU: KPF00000054 - Replacement Kit for toothed wear plates Wide Body

ITEM	DESCRIÇÃO	QUANTIDADE
11	RIGHT TOOTHED WEAR PLATE	6
9	LEFT TOOTHED WEAR PLATE	6
3	CARRIAGE BOLT, SQUARE NECK ROUND HEAD, CLASS 10.9 M12 X 1.5MM X 30 MM	24
4	FLANGE NUT, M12-1.50MM	24

SKU: KPF00000055 - Replacement Kit for toothed wear plates Narrow Body

ITEM	DESCRIÇÃO	QUANTIDADE
17	RIGHT TOOTHED WEAR PLATE	3
16	LEFT TOOTHED WEAR PLATE	3
3	CARRIAGE BOLT, SQUARE NECK ROUND HEAD, CLASS 10.9 M12 X 1.5MM X 30 MM	18
4	FLANGE NUT, M12-1.50MM	18

IMPORTANT: the wear plate replacement kits need to be changed according to the above kits, to maintain the balance of the Feed Accelerator, without compromising operation on the machine.

**WARRANTY CERTIFICATE****Purchase date:**/...../.....**Invoice #:****Retailer Data****Name:****Adress:****Signature:****Customer data****Name:****Adress:****Phone:****Product data****Model SKU:****Manufacturing date:****Serial #:**

KAMPAG, registered with CNPJ No. 13.552.588/0003-08, assures the customer identified above a 12-month warranty on the product described above, counted from the issuance of the Invoice. This warranty only covers malfunctions of the parts and components of the products under normal use in accordance with the accompanying manual provided by the manufacturer. This warranty will be automatically cancelled if the products are repaired by unauthorized persons, suffer damage due to accidents, falls and overload above the specified, or any unforeseeable occurrence resulting from misuse of the products by the user.

.....
CUSTOMER SIGNATURE

.....
SELLER SIGNATURE