

Instruction Manual



ACCB

Fertilizer Distributor for Green Cane

BALDAN

INTRODUCTION

We thank you for the preference and congratulate your excellent choice in acquiring an implement of outstanding quality, manufactured in accordance with the advanced technology of **BALDAN IMPLEMENTOS AGRÍCOLAS S/A**.

This manual will assist you, in proceeds necessities, since when you bought until the operational proceeds application, security and maintenance.

The **BALDAN** guarantees that deliver this implement to the dealer, working properly, and in perfect conditions.

The dealers it's under the responsibility to keep the protection and conservation while keep the implement in your stock, and than, to assembly, tighten, lubrication and overhaul.

On time of the technical deliver, the dealer must to have conducted the user customer about the manutentation, safety, and your obligations in a possible technical assistance, the obligation to see the warranty terms and read the instruction manual. Any solicitation of warranty, please contact our Baldan technical service, by your Baldan dealer that you bought our implement. Reaffirm the necessity to read carefully of warranty certificate and note all of items from this manual, therefore you will increase the working life of your equipment.



Instruction Manual



ACCB

Fertilizer Distributor for Green Cane

BALDAN IMPLEMENTOS AGRÍCOLAS S/A.

CNPJ: 52.311.347/0009-06

Insc. Est.: 441.016.953.110



Scan the QR Code on the identification plate of your device and access this Instruction Manual online.

BALDAN

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WARRANTY

PRODUCT WARRANTY

BALDAN IMPLEMENTOS AGRÍCOLAS S/A, warranties the normal operation of the implement to the dealer for a period of six (6) months from the date of delivery of the resale invoice to the first consumer.

During this period **BALDAN** undertakes to fix any defects in materials or workmanship of its responsibility, the labor, the freight and other expenses being of the dealer's liability.

During the warranty period, the request and the replacement of any defective parts must be made to the dealer of the region, which will send the defective part for analysis by **BALDAN**.

When such a procedure is not possible and the capacity of resolution by the dealer is exhausted, this one will request the **BALDAN** Technical Assistance support through a specific form distributed to the dealers.

After analyzing the items replaced by the **BALDAN** Technical Assistance, and if the conclusion is that it is not a case of warranty, then the costs related to the replacement will be supported by the dealer; as well as the material costs, travel including stays and meals, accessories, lubricant used and other expenses deriving from the request to the Technical Assistance, in this case, **BALDAN** is authorized to make the billing on behalf of the dealer's name.

Any repair done by the dealer on the product within the warranty period, will only be authorized by **BALDAN** upon prior presentation of the budget describing the parts and the works to be performed.

Is excluded from this warranty the product that is repaired or modied in workshops that do not belong to the **BALDAN** dealers network, as well as the application of non-genuine parts or components on the user product.

This warranty will become void if it is determined that the defect or damage is the result of misuse of the product, failure to follow the instructions or the inexperience of the operator.

It is agreed that this warranty does not cover tires, polyethylene tanks, cardans, hydraulic components, etc., which are equipment warranted by their manufacturers.

Defects in workmanship and or material, object of this warranty shall not be, under any circumstances, grounds for the termination of the contract of sale, or for compensation of any nature.

BALDAN reserves the right to change and or improve the technical characteristics of its products without notice and without the obligation to do so with the products previously manufactured.

GENERAL INFORMATION

OWNER

- 01 - **BALDAN IMPLEMENTOS AGRÍCOLAS S/A**, will not be responsible for any damage caused by an accident due to the use, transport or improper or incorrect storage of your implement, whether in case of negligence and/or inexperience of any person.
- 02 - Only persons who have the full knowledge of the tractor and the implement must perform their transportation and operation.
- 03 - **BALDAN** will not be responsible for any damage caused due to unpredictable situations or beyond the normal use of the implement.

The mishandling of this equipment can result in serious or fatal accidents. Before switching on the equipment, carefully read the instructions of this manual. Make sure that the person responsible for the operation is instructed on the proper and safe handling of the equipment. Also make sure that the operator has read and understood the product instructions manual.



01- NR-31 - SAFETY AND HEALTH AT WORK IN AGRICULTURE, LIVESTOCK, FORESTRY, FOREST EXPLOITATION AND AQUACULTURE.

02- This Regulatory Norm aims to establish the principles to be observed in the organization and the work environment, in a way consistent with the planning and development of the agriculture, livestock, forestry, forest exploitation and aquaculture activities regarding the safety and health and the working environment.

IF YOU ARE THE OWNER OR THE OPERATOR OF THE EQUIPMENT.
Read and carefully follow the NR-31 provisions.

*For more information, visit the website and read the complete NR-31.
<http://portal.mte.gov.br/legislacao/normas-regulamentadoras-1.htm>*

SAFETY RULES



THIS SYMBOL INDICATES AN IMPORTANT SAFETY WARNING. WHENEVER YOU FIND IT IN THIS MANUAL CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURIES.



ATTENTION

- Read the instructions manual carefully to learn about the recommended security practices.



ATTENTION

- Only begin operating the tractor, when you are properly installed and with the seatbelt buckled.



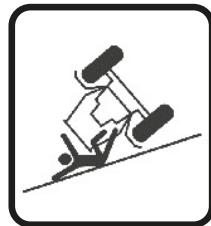
ATTENTION

- Do not carry passengers on the tractor and not inside or on the equipment.



ATTENTION

- There are risks of serious injuries in case of overturning when working on slopes.
- Do not use excessive speed.



SAFETY RULES



ATTENTION

- Do not operate the tractor if the front has no enough ballast to balance the rear equipment.
- With a tendency to lift, add weights or ballast in the front of the tractor or on the front wheels.



ATTENTION

- Before performing any maintenance on your equipment, make sure it is properly stopped.
- Avoid getting hit.



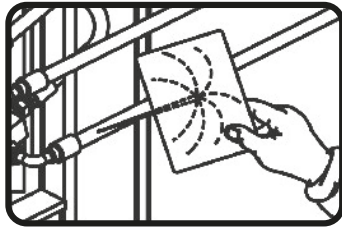
ATTENTION

- Keep yourself away from the active elements of the machine (Discs), they are sharp and can cause accidents.
- When carrying any service on the discs, use safety gloves on your hands.



ATTENTION

- When looking for a possible leak on the hoses, use a piece of cardboard or wood, never use your hands.
- Avoid fluid incision on the skin.



BALDAN

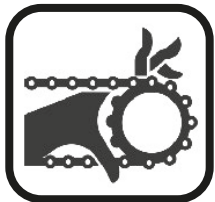
Instruction Manual

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SAFETY RULES

⚠ ATTENTION

- Do not operate the ACCB, if the transmission protection is not properly installed.
- Only remove the protection to change gears, replace it immediately.
- Do not make adjustments when the ACCB is in motion.



⚠ ATTENTION

- When operating the ACCB, do not allow people to remain on the machine.
- Do not stand on the platform when the ACCB is in motion.



⚠ ATTENTION

- The hydraulic oil works under pressure and can cause serious injuries, if there are any leaks. Periodically check the hoses conditions. If there is evidence of leaks replace immediately.
- Before connecting or disconnecting the hydraulic hoses relieve the system pressure, triggering the command with the tractor turned off.



⚠ ATTENTION

- When transporting this equipment do not exceed the speed of 16km/h or 10 MPH, avoiding risk of damage and accidents.



WARNINGS

- 01-  When operating the implement, do not allow people to stay close to it or on it.
- 02-  When performing any discs assembly and disassembly service, use gloves to protect your hands.
- 03-  Before connecting or disconnecting hydraulic hoses, relieve the system pressure triggering the command with the tractor turned off.
- 04-  Periodically check the hydraulic hoses conditions. If there is evidence of oil leaks, immediately replace the hose because the oil works under high pressure and can cause serious accidents.
- 05-  Do not wear loose clothing as they can curl up on the implement.
- 06-  When you turn the tractor engine on, be properly seated on the operator's seat and be sure that you have full aware about the proper and safe handling for both the tractor and the implement. Always place the gearshift lever on the neutral position, turn off the command gear of the energy plug and put the hydraulic commands on the neutral position.
- 07-  Do not turn on the tractor engine indoors without a proper ventilation, because the exhaust gases are harmful to health.
- 08-  When maneuvering the tractor for the implement coupling, make sure that you have the necessary space and that no one is close to it, always maneuvering at slow speed and be prepared to brake at any emergency.
- 09-  Do not make adjustments with the implement in operation.

WARNINGS

- 10-  When working on slopes, be careful always looking to maintain the necessary stability. In case of early unbalance reduce the acceleration, turn the wheels toward the slope side of the land and never lift the implement.
- 11-  Always drive the tractor at speeds compatible with safety, especially when working on uneven lands or slopes, keep the tractor always engaged.
- 12-  When driving the tractor on roads, keep the brake pedals interconnected.
- 13-  Do not operate the tractor with a lightweight front. If the front has a tendency to lift, add more weight on the front or on the front wheels.
- 14-  When leaving the tractor place the gearshift lever in neutral position and apply the parking brake. Never leave the implements coupled to the tractor in the hydraulic system raised position.
- 15-  Alcoholic beverages and some medications can cause a loss of reflexes and change the operator physical conditions. Therefore, never operate this equipment when using these substances.
- 16-  Read or explain all the above procedures to the user who cannot read.

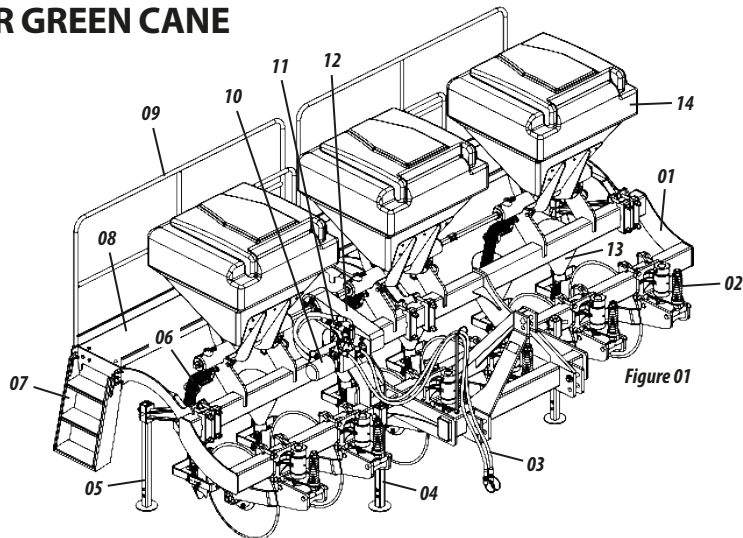
If case of doubt, ask the After-sales.

Telephone: 0800-152577 / E-mail: posvenda@baldan.com.br

COMPONENTS

ACCB - FERTILIZER DISTRIBUTOR FOR GREEN CANE

- 01- Chassi
- 02- Cutting Disc Stand
- 03- Hydraulic hoses
- 04- Front support bracket
- 05- Rear support bracket
- 06- Mango
- 07- Ladder
- 08- Plataform
- 09- Plataform handrail
- 10- Hydraulic engine
- 11- Valve
- 12- Chain cover
- 13- Complete distribuitor
- 14- Fertilizer deposit



TECHNICAL SPECIFICATIONS

Table 01

Model	Nr of Rows	Total Length (mm)	Total Width (mm)	Total Height (mm)	Row spacing (mm)	Disc spacing (mm)	Estimated Weight (kg)	Tractor Power (HP)
ACCB	3	2500	4430	2150	1300 / 1400 / 1500	400 - 800	1850	130 - 180

Fertilizer hopper 1200 L
 Fertilizer application range 250 - 1200 Kg/Ha

BALDAN reserves the right to change and or improve the technical characteristics of its products without notice and without the obligation to do so with the products previously manufactured. The technical specifications are approximate and informed in normal working conditions.

ASSEMBLY

The Baldan fertilizer machine model **ACCB** leaves the factory semi-assembled, with only the assembly of the carts missing, which must be assembled according to the following instructions:

- 1 -  Before starting to assemble the ACCB, look for an ideal location, where it can be easily assembled.
- 2 -  When carrying out any assembly and disassembly service on the discs, use gloves in your hands.
- 3 -  Do not wear loose clothing, as they may become tangled in the equipment.

ASSEMBLY

ASSEMBLY OF ROWS (FIGURE 02)

To assemble the rows (1), proceed as follows:

- 01- Mark the amount (2) where the rows (1) will be fixed.
- 02- Then, attach the rows (1) to the upright (2) fixing through the clamps (3), screws (4), lock washers (5) and nuts (6).



ATTENTION

When finishing the assembly of the rows, make a general overhaul in the fertilizer, check that there are no objects (nuts, screws, or others) inside the tanks. Retighten all the screws and nuts, check all the pins, cotter pins and locks, check the hoses.



IMPORTANT

The rows (1) can be mounted on the fertilizer spreader with the following spacing: 1300, 1400 and 1500 mm.



NOTE

Perform the same procedure for the assembly of the other rows.

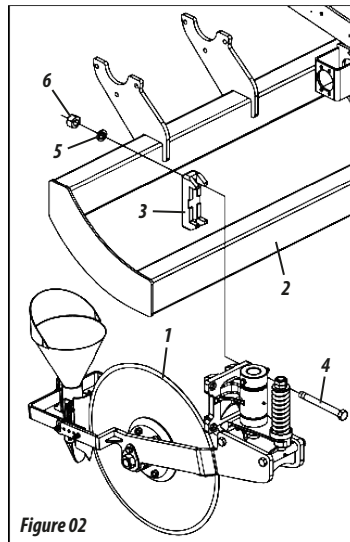


Figure 02

HITCH

TRACTOR HITCH (FIGURES 03/04)

Before attaching the fertilizer to the tractor, check that the tractor is equipped with a set of weights or ballast on the front or on the front wheels to avoid lifting the tractor. The rear wheels will give the tractor greater stability and traction to the ground.

To connect the **ACCB**, proceed as follows:

- 01 - Slowly approach the tractor to the tractor in reverse, paying attention to the application of the brakes.
- 02 - Then, use the hydraulic position control lever when approaching the fertilizer, leaving the lower left arm at the level of the fertilizer hitch.
- 03 - Engage the lower left arm of the tractor through the coupling pin (1) on the support "A" of the fertilizer.
- 04 - Engage the 3rd point of the tractor on support "B" of the fertilizer.
- 05 - Then, with the aid of the regulating lever "C", hook the lower right arm of the tractor on the support "D" of the fertilizer.
- 06 - Finally connect the hydraulic hoses (2) to the tractor

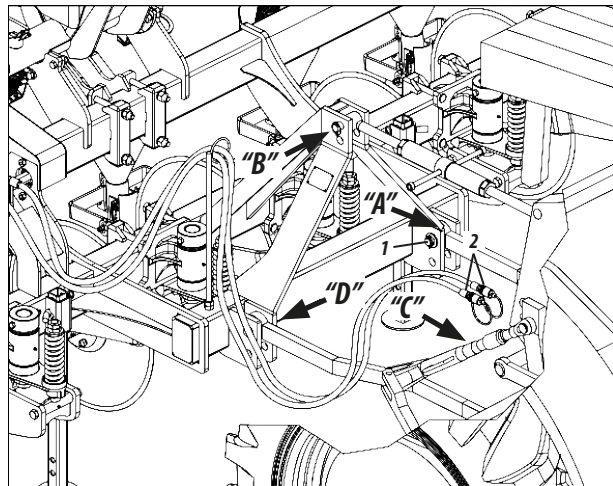


Figure 03

HITCH

TRACTOR HITCH - CONTINUATION (FIGURES 03/04)

At the end of the coupling to the tractor, before starting work or transporting the **ACCB**, lift the support foot (3) to do this, proceed as follows:

- 01 -Release the lock (4) and remove the pin (5).
- 02 -Then, lift the support foot (4) and lock it in hole "A", through pin (5) and lock (4).

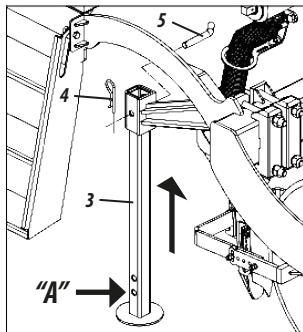


Figure 04

IMPORTANT

Do not transport the loaded fertilizer, as it may damage the equipment. We recommend that you supply it only at the workplace. If the fertilizer is to remain in the field for any reason, we recommend covering it with waterproof tarpaulin to avoid moisture.

NOTE

When coupling the fertilizer, look for a safe and easily accessible place, always use reduced gear with low acceleration.

ATTENTION

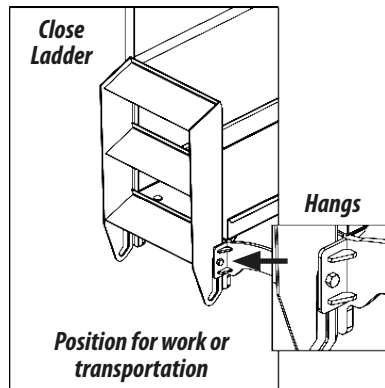
Do not work or transport the fertilizer with the support foot (4) lowered. Ignoring this warning could cause serious accidents or damage. Before connecting or disconnecting the hydraulic hoses, turn off the engine and relieve pressure from the hydraulic system by fully operating the control levers. When relieving system pressure, make sure that no one is close to the equipment's movement area.

WORK / TRANSPORTATION

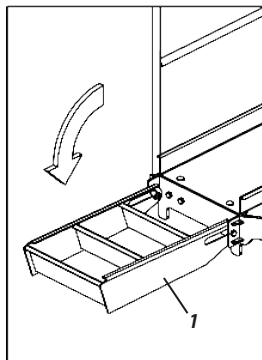
USE OF THE LADDER (FIGURES 05)

The **ACCB** has an articulated ladder (1) that should only be used when filling or maintaining its tanks. To use it, proceed as follows:

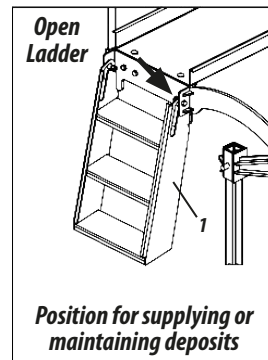
01 - Lift the folding ladder (1), unlocking it.



02 - Then, articulate the ladder (1) by lowering it.



03 - When you are finished using the ladder (1), do the reverse, closing and locking it.



Figures 05

WORK / TRANSPORTATION

USE OF THE LADDER - CONTINUATION



ATTENTION

*Do not stay on the ladder when the fertilizer is working or being transported.
Do not work or transport the fertilizer with the ladder open.
Do not transport people on the platform, ladder or any other part of the fertilizer.
Ignoring these warnings could result in serious accidents or even death.*



IMPORTANT

*To access or fill the tank, always use the articulated ladder (1).
The articulated ladder (1) complies with NBR standards.*



ADJUSTMENTS

FERTILIZER CENTRALIZATION (FIGURE 06)

To centralize the **ACCB** fertilizer in relation to the longitudinal axis of the tractor, proceed as follows:

- 01 - Align the top hitch of the fertilizer with the 3rd point of the work, checking that the distances "A" of the lower arms of the hydraulic are equal in relation to the tractor tires. The lower arms must be level with each other.

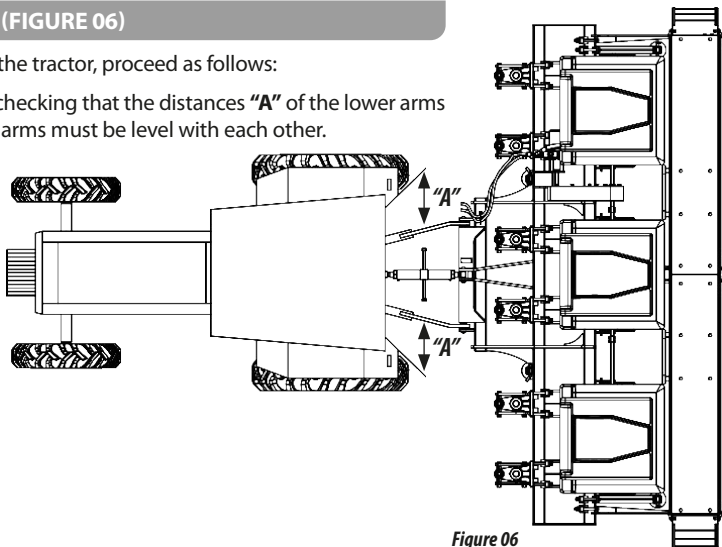


Figure 06

ADJUSTMENTS

FERTILIZER LEVELING (FIGURE 07)

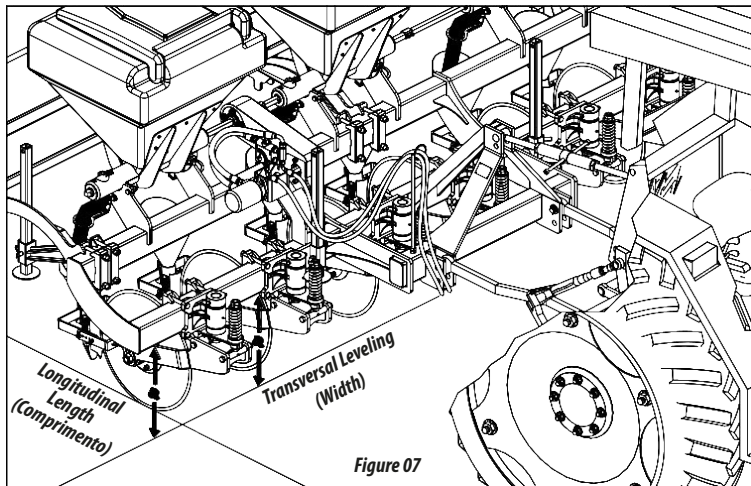
To level the **ACCB**, proceed as follows:

- 01 -First, the tractor must be on a flat location.
- 02 -Then, level the fertilizer in the transversal direction (width) through the crank of the lower right arm of the hydraulic coupling.
- 03 -Then, make the longitudinal leveling (length), this is done through the arm of the 3rd point. Note that the lines must be parallel to the ground.



IMPORTANT

Make sure that the front discs of the fertilizer are approximately 2 cm above ground level so that the discs have the same depth of penetration into the soil.



ADJUSTMENTS

SPACING (FIGURE 08)

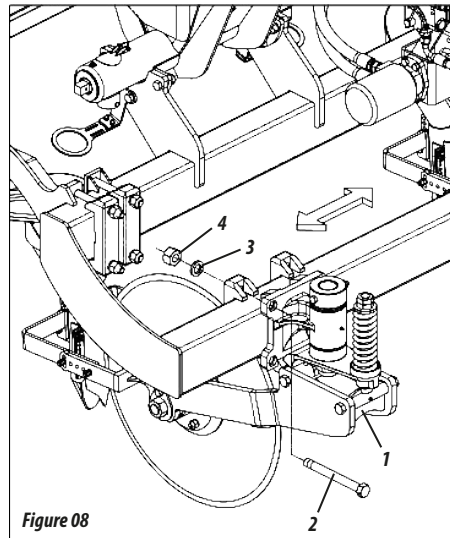
The **ACCB** fertilizer is provided with a spacing that can be changed according to the type of crop desired. To adjust the spacing of the trolleys (1), proceed as follows:

- 01 - Loosen the screws (2) through the pressure washers (3) and nuts (4).
- 02 - Then, adjust the cart (1) to the desired spacing.
- 03 - Then, fix the screws (2) again, tightening the lock washers (3) and nuts (4).



ATTENTION

When finished, proceed with the same spacing adjustment on the other cart (4), as both must have the same adjustment.



ADJUSTMENTS

CUTTING DISK PRESSURE REGULATION (FIGURE 09)

To adjust the pressure of the cutting disc (1), proceed as follows:

Turn the nut and counter nut (2) clockwise.

For greater pressure on the spring (3).

Turn the nut and counter nut (2) counterclockwise.

For less pressure on the spring (3).

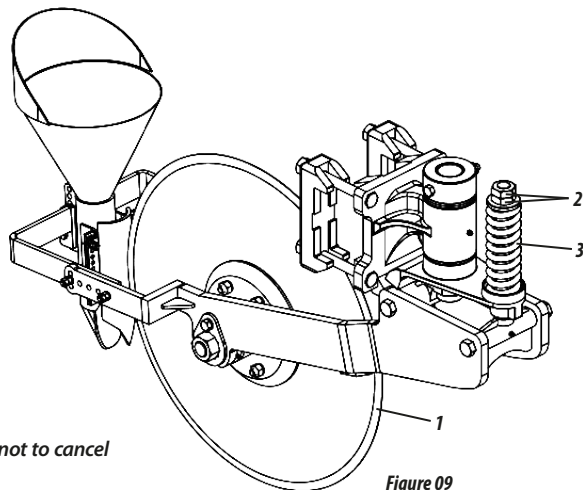


Figure 09



ATTENTION

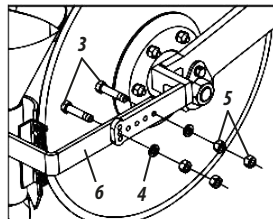
When adjusting the cutting disc pressure, take care not to cancel the articulation action.



DISTANCE ADJUSTMENT (FIGURES 10)

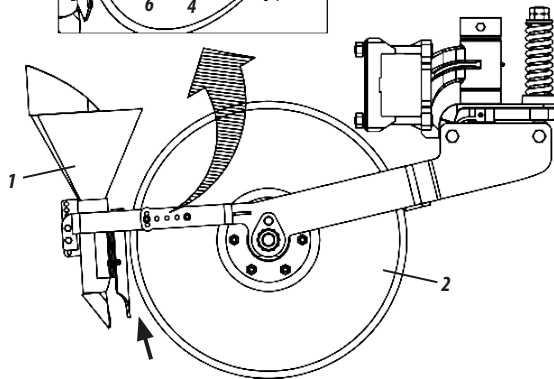
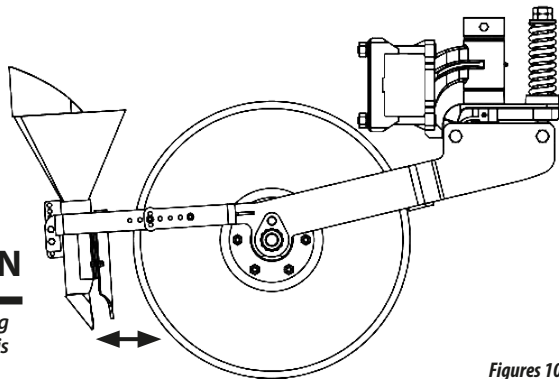
To adjust the distance between the distributor (1) and the cutting disc (2), proceed as follows:

- 01 - Loosen the screws (3) through the pressure washers (4) and nuts (5).
- 02 - Then, adjust the support (6) to the desired distance.
- 03 - Then, fix the screws (3) again, tightening the lock washers (4) and nuts (5).



ATTENTION

When you finish adjusting the distance, repeat this procedure on all lines.



Figures 10

TILT ADJUSTMENT (FIGURES 11)

To adjust the tilt of the distributor (1), proceed as follows:

01 - Loosen the screws (2) through the pressure washers (3) and nuts (4).

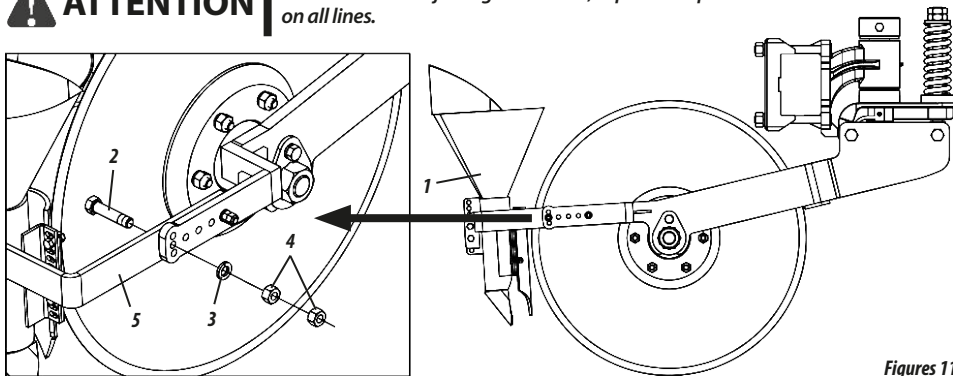
02 - Then, adjust the support (5) to the desired setting.

03 - Then, fix the screws (2) again, tightening the lock washers (3) and nuts (4).

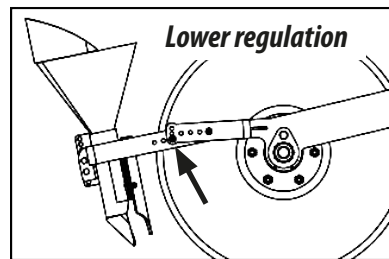
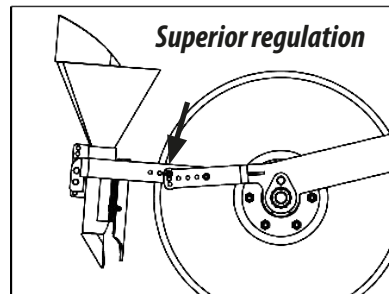


ATTENTION

When finished adjusting the incline, repeat this procedure on all lines.



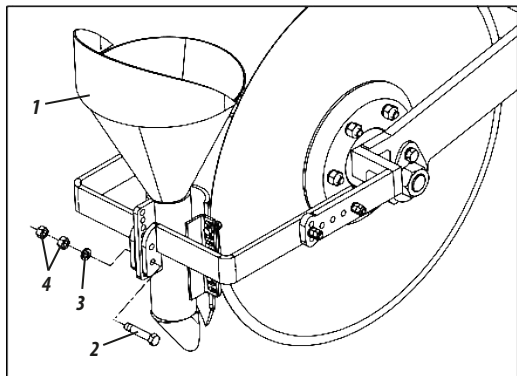
Figures 11



DISTRIBUTOR HEIGHT ADJUSTMENT (FIGURES 12)

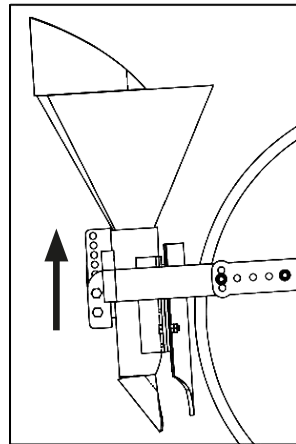
To adjust the height of the distributor (1), proceed as follows:

- 01 - Loosen the screws (2) through the pressure washers (3) and nuts (4).
- 02 - Then, adjust the distributor (1) to the desired height.
- 03 - Then, fix the screws (2) again, tightening the lock washers (3) and nuts (4).

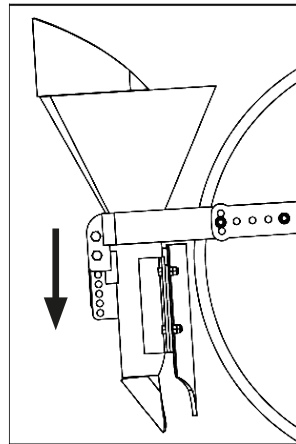


Figures 12

Maximum height



Minimum Height



ATTENTION

When finished adjusting the height, repeat this procedure on all lines.



DISPENSING NOZZLE ADJUSTMENT (FIGURE 13)

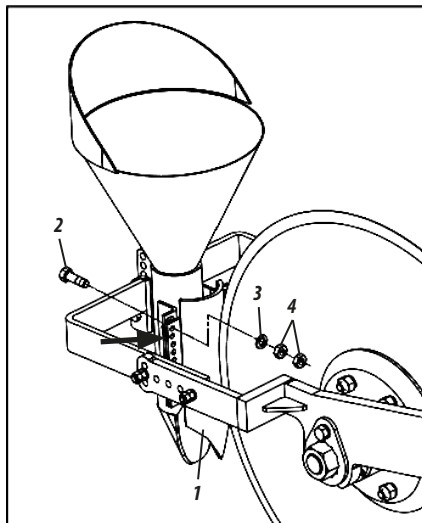
To adjust the dispensing nozzle (1), proceed as follows:

- 01 - Loosen the screws (2) through the pressure washers (3) and nuts (4).
- 02 - Then, adjust the dispensing nozzle (1) to the desired opening.
- 03 - Then, fix the screws (2) again, tightening the lock washers (3) and nuts (4).

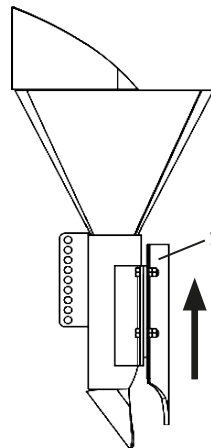


ATTENTION

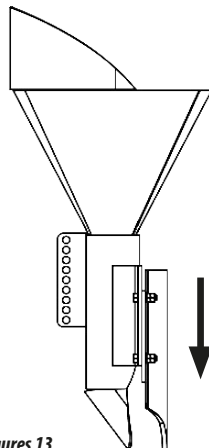
When you finish adjusting the dispensing nozzle, repeat this procedure on all lines.



**Superior
Regulation**



**Lower
Regulation**



Figures 13

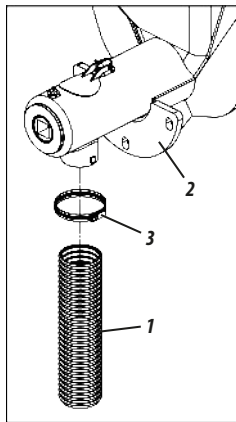
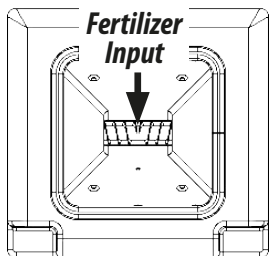
FERTILIZER DISTRIBUTION SYSTEM

FERTILIZER CONDUCTOR - INDEPENDENT SYSTEM (FIGURES 14/15)

To carry fertilizer from the distributor to the ground, proceed as follows:

- 01 - Attach the hoses (1) to the outlets of the high flow distributor (2), fixing them through the clips (3), as shown in figure 14.

Figure 14



- 02 - The individual high flow distribution system has a safety outlet, because if the hose is clogged, when the fertilizer enters the doser, it will start to leak through this safety outlet, guaranteeing the functioning of the system without damaging it, as shown in figure 15.

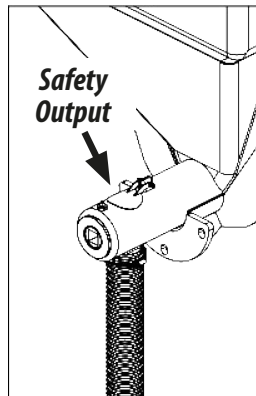


Figure 15



ATTENTION

Check the distributors and hoses daily and clean them. When the fertilizer has impurities or is wet, clean it more often.



FERTILIZER DISTRIBUTION SYSTEM

FERTILIZER CONDUCTOR - FERTILIZER SYSTEM (FIGURE 16)

01 - The adjustment of the fertilizer must be done through the oil flow regulation valve (1), with the tractor stopped, but at the same working speed. Collect the fertilizer during the timed time to cover 50 or 100 meters and calculate according to the example on the following page.



The oil flow regulating valve (1), has a pressure relief (safety system), pre-regulated, which aims to interrupt the rotation of the hydraulic motor in the event of a possible blockage in the individual fertilizer distribution system. (spouts). It is recommended to operate with the setting in the 2 to 3 position, depending on the desired fertilizer distribution. Never change the valve setting (1).

02 - The variation in the amount of fertilizer is obtained by opening or closing the oil flow regulation valve (1).

03 - By opening the oil flow regulating valve, the hydraulic motor (2) rotates faster, increasing the amount of fertilizer.

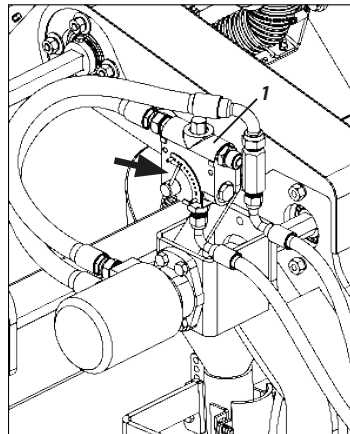


Figure 16



Wait a few seconds before starting to collect the fertilizer so that it completely envelops the shaft. Before starting the test, heat the tractor oil to normal working temperature.

FERTILIZER DISTRIBUTION SYSTEM

FERTILIZER DISTRIBUTION TABLES (TABLES 02)

Remote Control Hydraulic Coupling - 1800 rpm			
Adjustments	Spacing (mm) (Kg / Ha)		
	1300	1400	1500
2.3	263	244	227
2.4	388	360	335
2.5	513	477	443
3.0	535	497	462
3.5	555	515	479
4.0	574	534	496
4.5	750	697	648
5.0	927	862	801
5.5	1213	1128	1048
6.0	1500	1394	1296

Continuous Flow Hydraulic Coupling - 1800 rpm			
Adjustments	Spacing (mm) (Kg / Ha)		
	1300	1400	1500
2.3	141	131	122
2.4	199	185	172
2.5	256	238	221
3.0	484	450	418
3.5	505	470	436
4.0	524	487	453
4.5	670	626	582
5.0	823	765	711
5.5	774	905	841
6.0	1124	1044	971

Tables 02

CALCULATION

PRACTICAL CALCULATION FOR FERTILIZER DISPENSING

- To distribute other quantities of fertilizer in spacing and areas other than those shown in the distribution tables, use the formula below, to do this, proceed as follows:

01- Determine the spacing between lines and the amount of fertilizer to be distributed per bushel (Aa) or hectare (Ha).

02- **Example: ACCB** with a spacing of 1300 mm, to distribute 400 kg of fertilizer per Ha, use the formula bellow:

Formula:
$$X = \frac{E \times Q \times D}{A}$$

Resolve:
$$X = \frac{1300 \times 400}{10.000} \times 50$$

$$X = 52.00 \times 50 = 2600 \text{ kg}$$

X = 2600 grams to 50 meters per rod

Where:

E = Spacing between rod (mm)

Q = Amount of fertilizer to be distributed [kg]

A = Area to be fertilizer [m²]

D = 50 meters distance (test)

X = Fertilizer grams to 50 meters

CALCULATION

PRACTICAL TEST TO ASSES THE QUANTIFY OF FERTILIZER DISTRIBUTION

For greater precision in the dispensing of fertilizer, make the test of the amount to be dispensed at the planting location, because there is a condition for each terrain.

- 1- Mark the test distance in the table, we opted for 50 linear meters.
- 2- Fill the tanks of the **ACCB** at least halfway.
- 3- After, travel an average of 10 meters outside the test area so that the fertilizer fill the batchers.
- 4- After, place containers for collection at the fertilizer outlets.
- 5- Move the tractor in the demarcated area, always at the same speed you will plant, from 5 to 7 km/h or 3 to 4 MPH.
- 6- After going through the marked space, remove the containers from the fertilizer outlets and weigh them. If necessary, increase or decrease the amount of fertilizer to be distributed, check the table.



ATTENTION

*Variation in working speed affects the uniform distribution of fertilizer.
When changing the fertilizer manufacturer, it is necessary to check again.
After the first day of work, check all adjustments again.*



IMPORTANT

We suggest that a practical test be carried out on the dispensing of the fertilizer, over 50 m, to later compare the results of the fertilizer.



OPERATIONS

- 01 - After the first day of work with the **ACCB** retighten all bolts and nuts. Check the condition of the pins and locks.
- 02 - Do not maneuver or reverse with the lines lowered to the ground.
- 03 - Observe lubrication intervals.
- 04 - When filling the tanks make sure that there are no objects inside them, such as nuts, bolts, etc. Always use seeds free of impurities.
- 05 - Always observe the operation of the fertilizer spreading mechanisms and also the regulations established at the beginning of the fertilization.
- 06 - Always keep the fertilizer level, the tractor drawbar must remain fixed and the working speed must remain constant.
- 07 - When doing any checks or maintenance on the fertilizer, you must lower it to the ground and turn off the tractor engine.
- 08 - Do not make sharp turns with the fertilizer when working.
- 09 - The fertilizer has several adjustments but only local conditions can determine the best adjustment.
- 10 - Only fill the fertilizer at the workplace.
- 11 - Do not transport or work with excess load on the fertilizer.
- 12 - After the first day of work with the fertilizer applicator, retighten all screws and nuts. Check the condition of the pins, and latches.

OPERATIONS

- 12 - After the first day of work with the fertilizer applicator, retighten all screws and nuts. Check the condition of the pins, and latches.
- 13 - Adjust the tractor according to the contents of the instruction manual, always using the front and rear weights to stabilize the equipment.
- 14 - When using the fertilizer it is important to check the coupling and cross leveling system to make sure that the discs will have the same depth of penetration into the soil.
- 15 - After coupling and leveling, the next adjustments will be made directly in the field of work, analyzing the terrain in its texture, humidity and the types of operations to be done with the fertilizer.
- 16 - Adjust the tractor according to the contents of the instruction manual, always using the front and rear weights to stabilize the equipment.
- 17 - **ACCB** operates with greater efficiency in the range of 5 to 7 km/h or 3 to 4 MPH.
- 18 - If in doubt, never operate or handle the **ACCB**, consult the After Sales.
- 19 - Telephone: 0800 152577 / E mail: posvenda@baldan.com.br

MAINTENANCE

The **ACCB** was developed to provide you with the maximum return on land conditions. Experience has shown that periodic maintenance of certain parts of the fertilizer is the best way to help you avoid problems, so we suggest checking.



ATTENTION

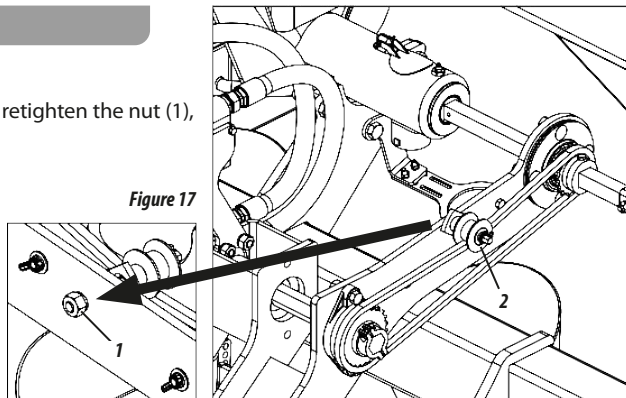
*Constantly check the nuts and bolts, if necessary retighten them.
Maintenance of general tightening of the equipment must be done every 8 hours of work.*

CHAIN MAINTENANCE (FIGURE 17)

- To tension the chain, proceed as follows:

- 01 - Loosen the nut (1), slide the tensioner (2) until the necessary tension. Then, retighten the nut (1), **as shown in figure 17.**

Figure 17



ATTENTION

Check chain tension daily, normal clearance should be ± 1 cm in the center of the chains.



MAINTENANCE

OPERATIONAL MAINTENANCE (TABLE 03)

<i>PROBLEMS</i>	<i>PROBABLE CAUSES</i>	<i>SOLUTIONS</i>
During fertilization, fertilizer starts to leak through the safety exits.	Clogged hoses or pieces of plastic in the conductive fertilizer coils.	Unclog the hoses or remove the upper channel that gives access to the spiral, turn the shaft upside down until the foreign body that is screwed out comes out.
Fertilizer hub shaft does not rotate.	Spiral blocked with wet fertilizer or excess fertilizer in the closed line.	Unclog the spirals, check if there is loose gutter and the fertilizer may be entering from the sides of them.
Tractor rear when lifting the fertilizer.	Lack of ballast in the front of the tractor.	Ballast the front of the tractor.
The fertilizer comes out on its side during fertilization on steep terrain.	Lower arms of the tractor hitch are loose with lateral displacement.	Secure the lower arms of the tractor hitch to eliminate lateral displacement.

Table 03

MAINTENANCE

LUBRIFICATION (TABLE 04)

Lubrication is essential for good performance and longer durability of the moving parts of the **ACCB** contributing to savings in maintenance costs.

Before starting the operation, carefully lubricate all grease fittings, always observing the greasing intervals on the following page. Make sure of the quality of the lubricant, its efficiency and purity, avoiding the use of products contaminated by water, soil and other agents.

GREASE TABLE AND EQUIVALENTS

<i>Manufacturer</i>	<i>Recommended grease types</i>
Petrobrás	Lubrax GMA-2
Atlantic	Litholine MP 2
Ipiranga	Ipiflex 2
Castrol	LM 2
Mobil	Grease MP
Texaco	Marfak 2
Shell	Alvania EP 2
Esso	Multi H
Bardahl	Maxlub APG-2EP
Valvoline	Palladium MP-2
Petronas	Tutela Jota MP 2 EP
	Tutela Alfa 2K
	Tutela KP 2K

Table 04



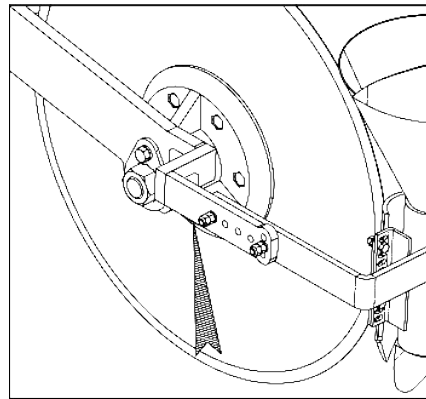
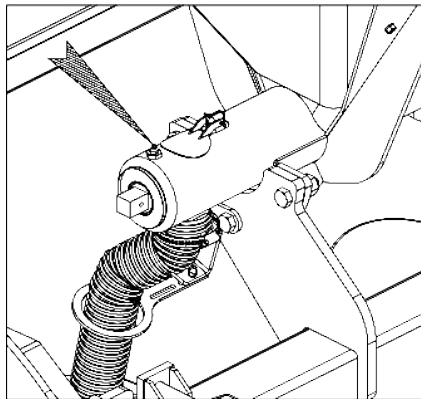
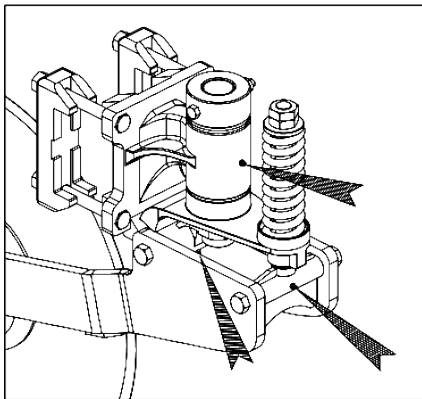
IMPORTANT

For manufacturers and or equivalent brands not listed in the table, see the manufacturer's technical manual.



MAINTENANCE

LUBRICATION EVERY 10 HOURS OF WORK (FIGURES 18)



Figures 18

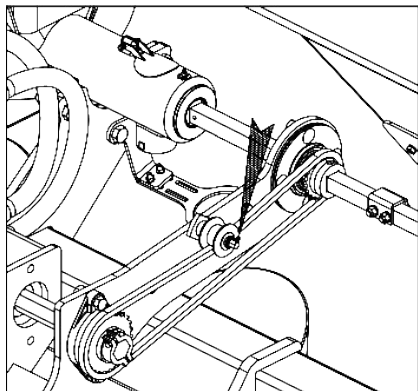


ATTENCION

*When lubricating the ACCB, do not exceed the amount of new grease.
Insert a sufficient amount.*

MAINTENANCE

LUBRICATION EVERY 10 HOURS OF WORK (FIGURES 18)



Figures 18

CARE

- 01 - Before each work, check the condition of all hoses, pins, screws, bearings, discs, and sections. When necessary, retighten or replace them.
- 02 - Movement speed must be carefully controlled according to the terrain conditions.
- 03 - The **ACCB** is used in several applications, requiring knowledge and attention during its handling.
- 04 - Only local conditions can determine the best way to operate the **ACCB**.
- 05 - When assembling or disassembling any part of the **ACCB** use appropriate methods and tools.
- 06 - Carefully observe the lubrication intervals at the different points of the **ACCB**.
- 07 - Always check if the parts show wear. If replacement is required, **always require original Baldan parts.**
- 08 - Keep the **ACCB** discs sharp.



IMPORTANT

Proper and periodic maintenance is necessary to ensure the long life of the ACCB.

MAINTENANCE

GENERAL CLEANING

- 01 - When storing the **ACCB** make a general cleaning and wash it thoroughly only with water. Check that the paint has not worn out, if this has happened, apply a general coat, apply protective oil and lubricate the **ACCB** completely.
- 02 - Fully lubricate the **ACCB** Check all the moving parts of the **ACCB** if they show wear or looseness, make the necessary adjustment or replacement of the parts, leaving the furrower ready for the next job.
- 03 - When connecting or disconnecting hydraulic hoses, do not let the ends touch the ground. Before connecting the hydraulic hoses, clean the connections with a clean cloth without loose threads. **Do not use tow!**
- 04 - Replace all damaged or missing stickers, especially warnings. Make everyone aware of their importance and the dangers of accidents when instructions are not followed.
- 05 - After all maintenance care, store your **ACCB** on a flat surface, covered and dry, away from animals and children.
- 06 - We recommend washing the **ACCB** only with water at the beginning of work.



ATTENTION

Do not use chemicals or abrasives to wash the ACCB as this may damage the paint and its stickers.



OPTIONAL

- The **ACCB** has options that can be purchased according to the needs of the work.

NON-SLIP REAR PLATAFORM (FIGURE 19)

- The **ACCB** can be purchased optionally with the non-slip rear platform.

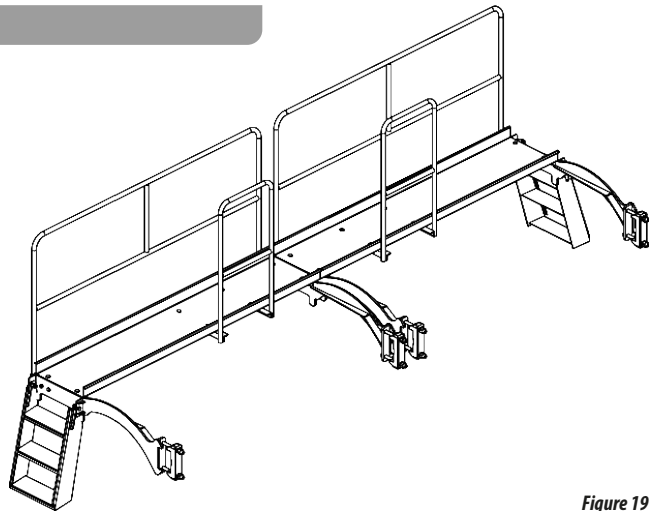


Figure 19

IDENTIFICATION

IDENTIFICATION PLATE (FIGURE 20)

- To see the parts catalog or to request technical assistance from Baldan, always inform model (01), serial number (02) and date of manufacture (03), which is on your **ACCB** nameplate.

ALWAYS DEMAND ORIGINAL BALDAN PARTS.



Figure 20

ATTENTION

The drawings in this Instruction Manual are merely illustrative. In order to provide a better overview and detailed instructions, some drawings have been removed from the manual, as well as safety shielding devices (covers, shields, etc.). Never operate the seeder without installing these devices.



PUBLICATIONS

Code: 60550106372
CPT: ACCB01918



CONTACT

In case of doubts, never operate or handle your equipment without referring to Post-Sales.
Telephone: 0800-152577
e-mail: posvenda@baldan.com.br

IDENTIFICATION

PRODUCT IDENTIFICATION

Please make the correct identification of the data below, to always have information about the service life of your **ACCB**.

Owner: _____

Dealer: _____

Properly: _____

City: _____ State: _____

Certificate of Warranty no.: _____

Model: _____

Serial No: _____

Purchase date: ____ / ____ / ____ Invoice: _____

NOTES

CERTIFICATE OF WARRANTY

- 01 - **BALDAN IMPLEMENTOS AGRÍCOLAS S/A**, guarantee the normal operation of the product for a 6 (six) months period dated from the dealers's bill of sale to the first final customer.
- 02 - During this period, **Baldan** compromise itself to repair the material or manufacturing defects, but the labour, the freight and other expenses are the dealer's responsibility.
- 03 - At the guarantee period, all the request and replacement of any defective part must be made to the dealer of the region, which will send the defective part for analysis at **Baldan**.
- 04 - When this procedure won't be possible and the dealer couldn't have the ability to solve the problem, the dealer can ask for **Baldan's Technical Assistance** using the specific form delivered to them.
- 05 - After the analysis of the items replaced by **Baldan Technical Assistance** and if we conclude that it wasn't a guarantee problem, then the dealer will be the responsible for all costs related to the replacement; as well as material expenses, travel including accommodation and meals, also the accessories, lubricant used or any other expenses after having called the Technical Assistance. And, withal, the company Baldan is authorized to issue the billing in name of the respective reseller.
- 06 - Any repair made to the product which is in warranty period by the dealer, will only be authorized by Baldan after budget previous presentation describing pieces and labour to be accomplished.
- 07 - It is out of this term the product which has repairs or modifications not made by dealers from Baldan's network, as well as pieces applications or not authentic components to the product by the user.
- 08 - This certificate of guarantee will become invalid when notice that the damage or defect is the result of incorrect use of the product, of instructions non-observance or operator's inexperience.
- 09 - It's stipulated that this guarantee don't cover tires, polyethylene deposits, universal joints, hydraulic components, etc, which equipments are guarantee by their manufacturers.

- 10 - The material or manufacture defects, object of this certificate of guarantee, will not be, by any hypothesis, reason for cancellation of the contract of sale, or indemnity of any kind.
- 11 - For a warranty solicitation to the distributor, you have to proceed in the following manner:
- 12 - Send the technical informe detailed telling the problem (technical assistance request form to the client), you can find it send us an email to **aftersales@baldan.com.br** or acessing our website.
- 13 - If it's possible send films and photos from the requested spare parts.
- 14 - To point at the form: serial number, manufacture year, etc, that is, all information asked at the form. The damage spare parts should be available for analysis of the the after sales department in a future visit (in case of requested).
- 15 - **Baldan** keeps the right of changing and or improve the technical characteristics of its products, without notice and without the obligation of act like this way with its previously manufactured products.

INSPECTION AND DELIVERY CERTIFICATE

- **SERVICE BEFORE THE DELIVERY:** This equipment was very carefully prepared by the dealer's organization, inspected in all its parts in agreement with the manufacture's prescription.
- **DELIVERY SERVICE:** The user was informed about the current guarantee terms and instructed about maintenance care and utilization.
- I confirm that I was informed about the current guarantee terms and instructed about the correct utilization and maintenance of this product.

Product: _____ Serial number: _____

Date: _____ Bill of sale: _____ Store: _____

City: _____ State: _____ Zip code: _____

Owner: _____ Phone: _____

Address: _____ Number: _____

City: _____ State: _____

E-mail: _____ Date of sale: _____

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Product: _____ *Serial number:* _____

Date: _____ *Bill of sale:* _____ *Store:* _____

City: _____ *State:* _____ *Zip code:* _____

Owner: _____ *Phone:* _____

Adress: _____ *Number:* _____

City: _____ *State:* _____

E-mail: _____ *Date of sale:* _____

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- **DELIVERY SERVICE:** The user was informed about the current guarantee terms and instructed about maintenance care and utilization.
- I confirm that I was informed about the current guarantee terms and instructed about the correct utilization and maintenance of this product.

Product: _____ Serial number: _____

Date: _____ Bill of sale: _____ Store: _____

City: _____ State: _____ Zip code: _____

Owner: _____ Phone: _____

Address: _____ Number: _____

City: _____ State: _____

E-mail: _____ Date of sale: _____

3ª Page - Manufacturer

Please send this filled copy to Baldan, until 15 days after the purchase.

Signature / Store's stamp _____

1.74.05.0059-5

AC MATÃO
ECT/DR/SP

RESPONSE CARD

NO STAMPING IS REQUIRED

THE STAMP WILL BE PAID BY:



BALDAN IMPLEMENTOS AGRÍCOLAS S/A.

Av. Baldan, 1500 | Nova Matão | CEP: 15993-900 | Matão-SP | Brasil

Phone: (0**16) 3221-6500 | Fax: (0**16) 3382-6500

Home Page: www.baldan.com.br | e-mail: sac@baldan.com.br

Export: Phone: 55 16 3321-6500 | Fax: 55 16 3382-4212 | 3382-2480

e-mail: export@baldan.com.br



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