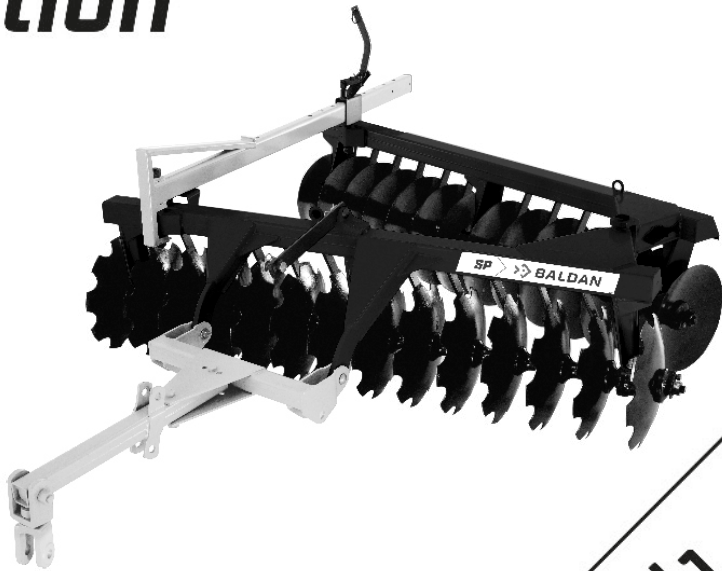


# ***Instruction Manual***



**SP**

Drag Type Offset Leveling Disc Harrow

**>> BALDAN**



# INTRODUCCIÓN

**A**gradecemos la preferencia y queremos felicitarlo por la excelente elección que hizo, pues adquirió la máquina del mas alto nivel fabricado por la avanzada tecnología y tradicional calidad de los productos **BALDAN**.

El objetivo de este manual és orientarlo en los procedimientos que sean necesarios, desde su adquisición hasta los procedimientos operativos de utilización, seguridad y mantenimiento.

**BALDAN** garantiza que le ha entregado este implemento al concesionario, completo y en perfectas condiciones.

El concesionario se responsabilizó por la guarda y conservación durante el periodo que quedo en su poder y también por el armado, reapretos, lubricaciones y revisión general.

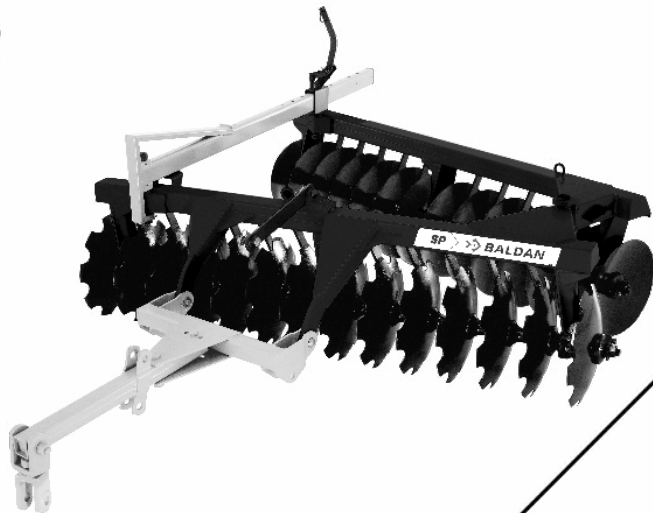
En la entrega técnica el revendedor debe orientar al consumidor a respeto del mantenimiento, la seguridad, sus obligaciones en eventual servicio técnico, la rigurosa observación del término de garantia y la lectura del manual de instrucciones.

Cualquier solicitud de servicio técnico y/o garantia deberá hacerse en el local en donde el implemento fue adquirido.

Reiteramos la necesidad de la lectura atenta del **CERTIFICADO DE GARANTIA** y la observación de todos los rubros de este manual, pues actuando de esta forma estará prolongando la vida útil de su implemento.



# ***Instruction Manual***



**SP**

Drag Type Offset Leveling Disc Harrow

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**

# INDEX

01. Safety rules.....	4 - 8
02. Components .....	9
03. Technical specifications .....	10
04. Assembly .....	11
Assembling disc section .....	11 - 13
Join of front and rear frames .....	13
Assembly of regulation opening set of disc harrow.....	13
Assembling the wipers .....	14
Assembly of the coupling header .....	14
Assembly of the hydraulic opening system .....	15
Support beam assembly.....	16
05. Hitching to the tractor.....	17
Hitch the harrow on the tractor hydraulic for transport or operation.....	17
Hitching to the tractor drawbar .....	18
06. Adjustments .....	19
Disc harrow gangs adjustments.....	19
Displacement adjustment .....	20
07. Operations .....	21
How to start the disc .....	21
08. Maintenance.....	22
Lubrification.....	22
09. Lubrification points.....	23 - 24
10. Bearing adjustments .....	25
11. Hourly production of the harrow .....	26 - 27
12. Optional .....	28
13. Version .....	29
14. Identification .....	30
Product identification .....	31
15. Certificate .....	32
Certificate of warranty.....	32 - 39

## 01. SAFETY RULES



*THIS ALERT SYMBOL INDICATES IMPORTANT SAFETY NOTES. WHENEVER YOU FIND IT IN THIS MANUAL, READ THE MESSAGE WITH ATTENTION TO AVOID ANY ACCIDENT.*



### **WARNING**

- Read this instruction manual carefully to know the recommended safety rules.



### **WARNING**

- Only start the tractor operations, when are you properly accommodated and with the seat belt fasted.



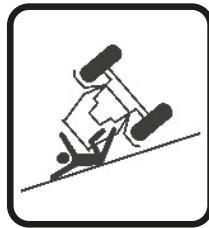
### **WARNING**

- Never carry people over the tractor or equipment.



### **WARNING**

- There are risks of serious injury by tipping when working on slopes.
- Never use excessive speed.



## 01. SAFETY RULES



### WARNING

- Before any equipment maintenance, make sure that is properly stopped.
- Avoid getting hit.



### WARNING

- Always maintain places of access and work free of residues such as oil or grease to prevent accidents.



### WARNING

- Before commencing work or transportation to SP, check for any nearby persons or obstructions.



### WARNING

- Disposing of waste improperly affects the environment and the environment, as it will pollute rivers, canals or the soil.
- Inform yourself about the proper way of recycling or disposing residues.



ALCOHOLIC BEVERAGE OR SOME MEDICATIONS MAY CAUSE LOSS OF REFLEXES AND CHANGE THE OPERATOR'S PHYSICAL CONDITIONS. FOR THIS REASON, NEVER OPERATE THIS EQUIPMENT UNDER ANY OF THESE SUBSTANCES.

## 01. SAFETY RULES



### WARNING

• Do not work with the tractor if the front bee without enough weight to the rear equipment. There is tendency to lift, add weights at front or front wheels.



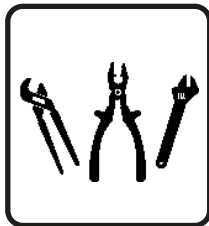
### WARNING

• Keep away from the active seeder elements (discs), they are sharp and can cause accidents.  
• Whenever performing any work on the discs, wear safety gloves on your hands.



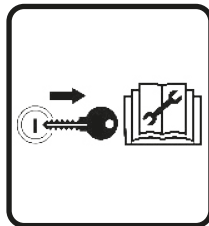
### WARNING

• Do not make adjustments with the SP in operation.  
• When doing any service on the SP, turn off the tractor first.  
• Use appropriate tools.



### WARNING

• Remove the ignition key before performing any maintenance on the SP. Protect yourself from possible injury or death caused by an unforeseen SP start up.  
• If the SP is not properly engaged, do not start the tractor.



ALCOHOLIC BEVERAGE OR SOME MEDICATIONS MAY CAUSE LOSS OF REFLEXES AND CHANGE THE OPERATOR'S PHYSICAL CONDITIONS. FOR THIS REASON, NEVER OPERATE THIS EQUIPMENT UNDER ANY OF THESE SUBSTANCES.



**BALDAN**

*Instruction Manual*









**SP - 6**













## WARNING

*The incorrect handling of the tractor engine can result in serious or fatal accidents. Before using the read carefully the instructions in this manual. Be sure that the person responsible for the operation is instructed about the correct handling and safety and has read and understood the instruction manual concerning this machine.*

- 01-  When operating the implement do not allow people to stand close or on the implement.
- 02-  During assembly or disassembly of the discs section use protective gloves.
- 03-  When coupling or uncoupling the hydraulic hose relieve the hydraulic circuit pressure.
- 04-  Check out periodically the hoses condition. Where there is oil emptying change it immediately because the oil works under high pressure and may cause serious damage.
- 05-  Do not use large or daggy clothes because they can get caught on the implement.
- 06-  When you start the tractor engine, be correctly placed at the operator seat and be aware of the correct and safety handling of both tractor and implement. Always place the gearshift crank at the neutral position, turn off the gear of the power command and place the hydraulic commands at the neutral position.
- 07-  Do not turn on the tractor in a closed place without appropriate ventilation because the fumes from the fuel are is bad for health.
- 08-  While maneuvering the tractor to clamp the implement be sure that there is enough space and nobody is too close, maneuver always in slow gear and be ready to brake in case of emergency.

- 09-  Do not carry out adjustments with the implement working.
- 10-  When working over hilly areas try to keep the necessary stability. In case of instability reduce the acceleration, turn the wheels to the inclined side of the land and never lift the implement.
- 11-  Always use the tractor at safe speeds, especially when working in irregular or inclined areas, make sure the tractor is always in gear.
- 12-  When using the tractor on the road, keep the brake pedal connected.
- 13-  Do not work with the front tractor light. If there is a tendency to lift up add more weight in the front of the tractor at the front wheels.
- 14-  When leaving the tractor, place the gearshift at the neutral position and apply the park brake. Never let clamped implements be hitched to the tractor with the hydraulic system at the lifted position.
- 15-  Drugs and alcohol will affect an operator's alertness and coordination. Do not operate any engine under these conditions.
- 16-  Explain the operation, inspection and maintenance instructions to those users or operators who can not read.

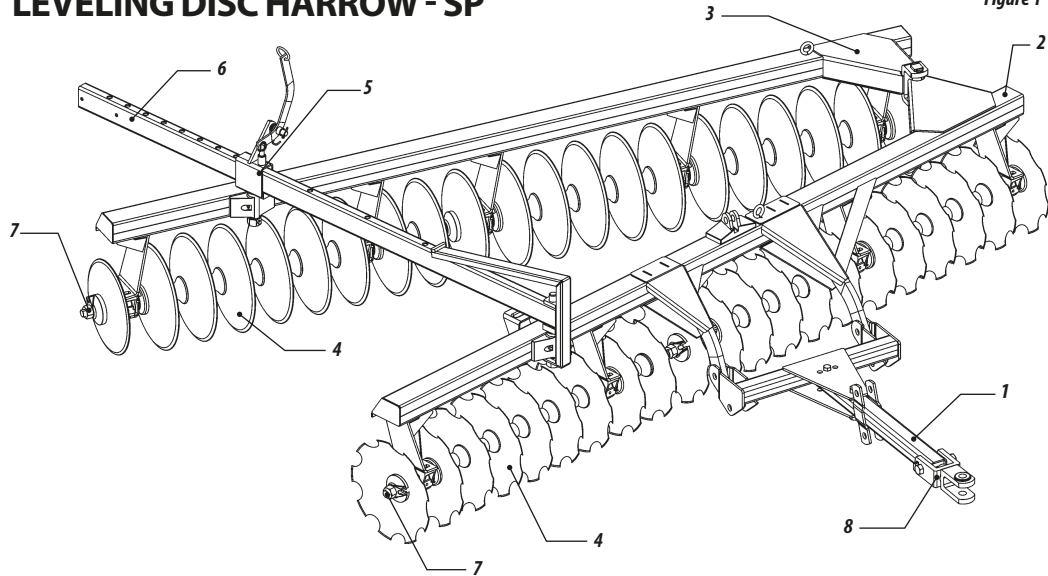
*In case of doubts, refer to Post-Sales.  
Telephone: 0800-152577 / E-mail: posvenda@baldan.com.br*

# DRAG TYPE OFFSET LEVELING DISC HARROW - SP

Figure 1

## 02. COMPONENTS

- 01 - Hitch Beam
- 02 - Front Frame
- 03 - Rear Frame
- 04 - Discs
- 05 - Lock Puller
- 06 - Lock Adjustments
- 07 - Disc Cubes
- 08 - Transport Adjustment Arm



### 03. TECHNICAL SPECIFICATIONS

Table 1

Model	Nr of Discs	Disc Spacing (mm)	Disc Diameter (ø)	Axle Diameter (ø)	Working Width (mm)	Working Depth (mm)	Approx. Weight (Kg)			Required tractor power (HP)
							18"	20"	22"	
SP	20	175	18" - 20" - 22"	1.1/4"	1700	50 - 150	470	500	543	46 - 51
SP	24	175	18" - 20" - 22"	1.1/4"	2100	50 - 150	540	575	625	55 - 61
SP	28	175	18" - 20" - 22"	1.1/4"	2350	50 - 150	590	630	690	65 - 70
SP	32	175	18" - 20" - 22"	1.1/4"	2700	50 - 150	670	720	789	73 - 80
SP	36	175	18" - 20" - 22"	1.1/4"	3000	50 - 150	710	765	843	85 - 90
SP	42	175	18" - 20" - 22"	1.1/4"	3600	50 - 150	810	870	961	95 - 105
SP	20	200	18" - 20" - 22"	1.1/4"	1900	50 - 150	530	566	612	51 - 55
SP	24	200	18" - 20" - 22"	1.1/4"	2300	50 - 150	587	630	685	61 - 65
SP	28	200	18" - 20" - 22"	1.1/4"	2700	50 - 150	682	733	797	70 - 75
SP	32	200	18" - 20" - 22"	1.1/4"	3100	50 - 150	760	818	891	80 - 85
SP	36	200	18" - 20" - 22"	1.1/4"	3500	50 - 150	842	907	989	90 - 100

*The Baldan reserves the right to change technical specifications of this product without previous notice.*

*The technical specifications are approximate and informed under normal working conditions.*



*The SP has a double coupling system, with the simple change of the device (pin) from the drag to the tractor hydraulics, allowing an immediate sequence of work, thus obtaining greater versatility. It is a grid of great efficiency and performance for having discs cut in the front section and smooth discs in the rear section, perfectly untwisting and leveling the land, facilitating planting.*

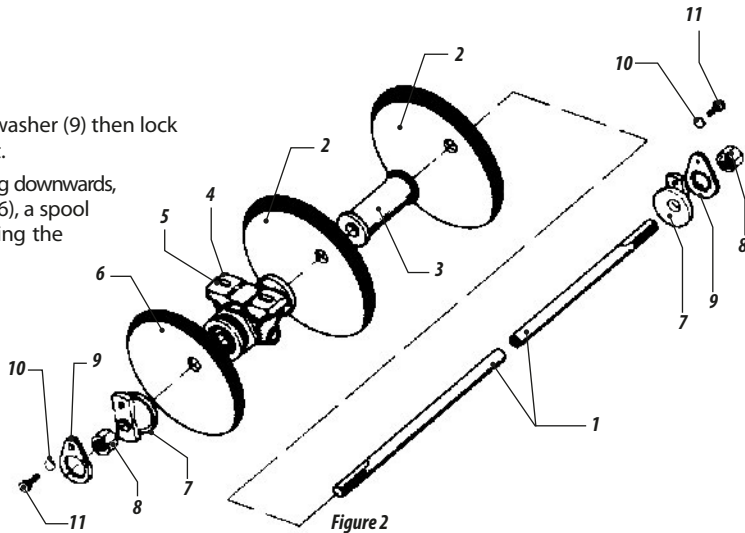
## 04. ASSEMBLY

### ASSEMBLING DISCS SECTION

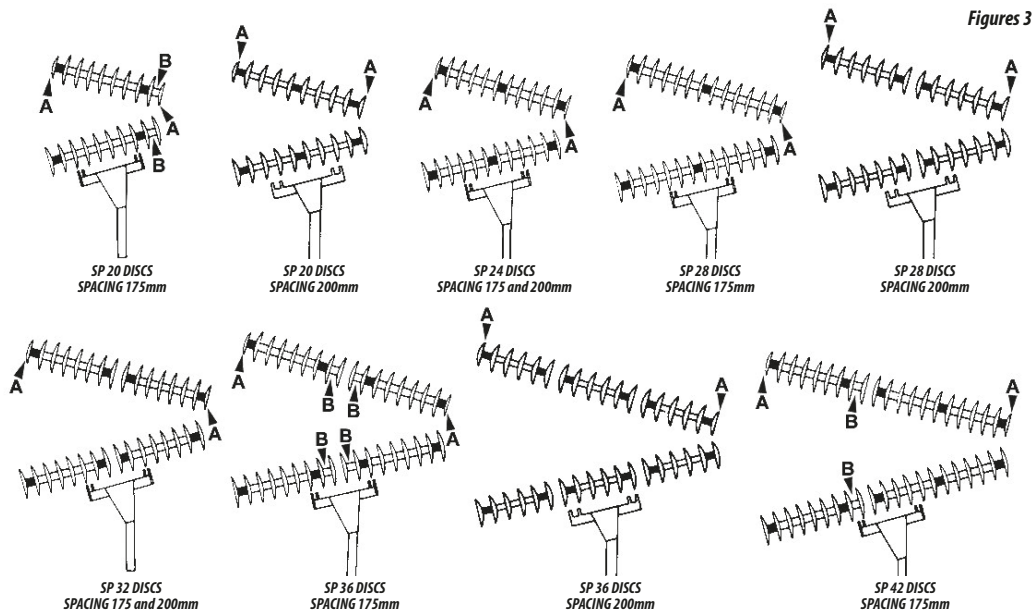
- 01 - Check if all the components listed are in the box.
- 02 - Before starting the assembly, put on the gloves.
- 03 - The assembly should start with the disc set.
- 04 - Connect the axle (1), a disc strut washer (7), the nut (8), a lock washer (9) then lock with a fastener (10). Check that the axle is faced with the key nut.
- 05 - Connect the axle (1) in a vertical position with the axle fixing pin facing downwards, connect one disc (2) facing upwards and a convex strut washer (6), a spool (5), a concave strut washer (4), another disc, a spacer (3) repeating the procedure up to final assembly.
- 06 - Next, underset the disc sets firmly, and tighten all the nuts (11).
- 07 - When assembling the roller bearings, they should be mounted with the lubrication system (fat or oil) facing to the rear part of the implement, according to figure 2.

*In the rear section, place a smaller diameter disk at the "A" ends, as shown in figures 3 on the following page.*

*When assembling the SP of 20, 36 and 42 discs with a spacing of 175 mm, assemble the separator spools "B" for the internal side of the SP, as shown in figures 3 on the next page.*



- 08 - Check figures 3 which shows the assembly of the discs sections to each grade model.
- 09 - Watch that the front disc section must stay on the opposite side of the rear section.



- 10 - Observe in the assembly of frames that the fixing bracket of the bearing (shoe) should face the concavity of the disc, as shown in figure 4.

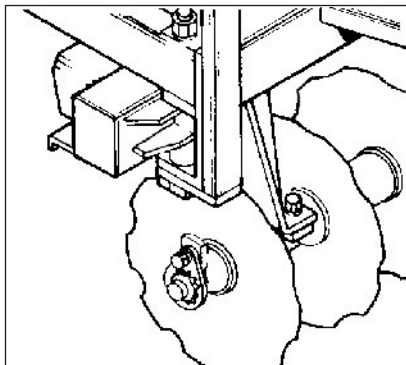


Figure 4

### JOIN OF FRONT AND REAR FRAMES

- 11 - Coupling the front frame section 1, the frame section 2 via the coupling pin item 3 and washer, locking it with the cotter pin.

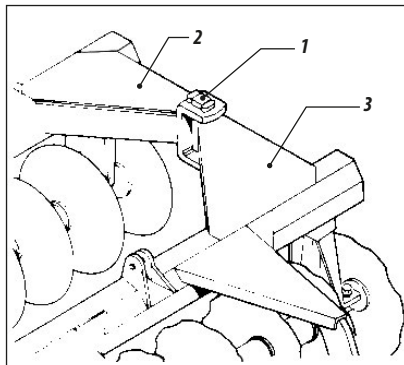


Figure 5

### ASSEMBLY OF REGULATION OPENING SET OF DISC HARROW

- 12 - Place the lock handle on the rear frame (1) (2), locking it with the cotter pin.
- 13 - Then, pass the adjustment bar (3) inside the lock handle (2) joining the front frame (4) through the screw (5). Finally, place the screw (6) on the adjustment bar (3), as shown in figure 6.

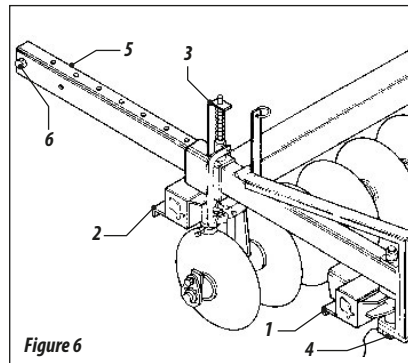


Figure 6

## ASSEMBLING THE WIPERS

- 14-Fix the wipers item 1, Figure 7, on the frames and leave a gap of 10mm between the wiper and the disc.

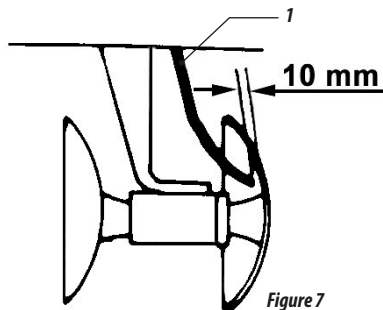


Figure 7

## ASSEMBLY OF THE COUPLING HEADER

- 01-Attach the header (1) to the front frame (2) fixing it through the screws (3), as shown in figure 8.

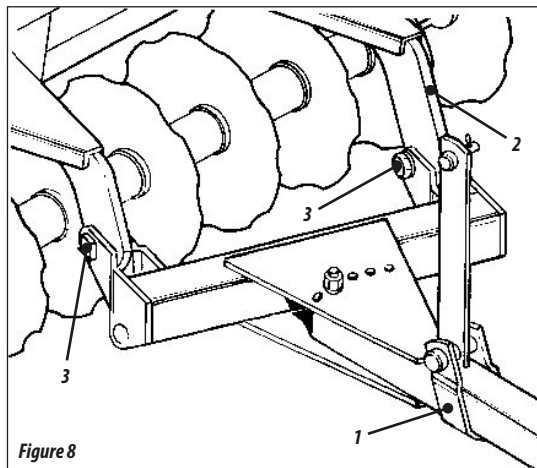


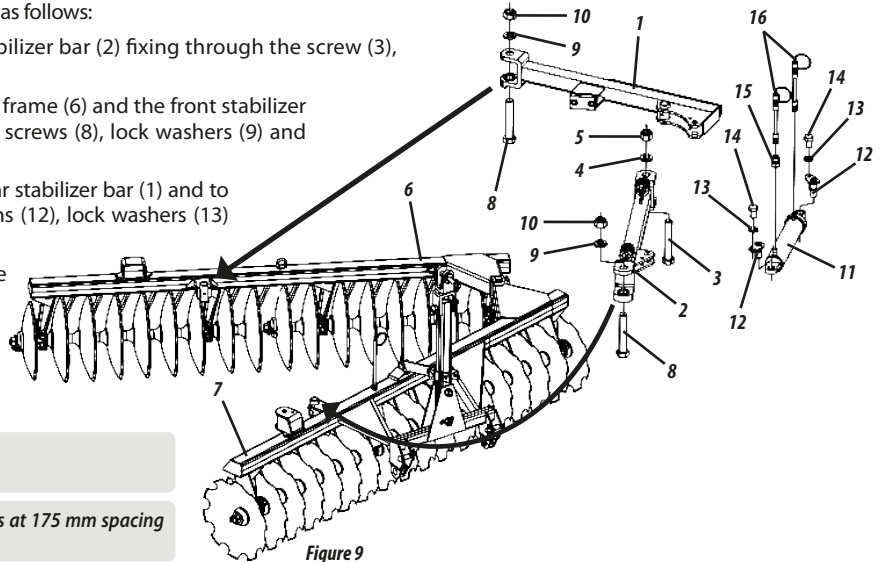
Figure 8



## ASSEMBLY OF THE HYDRAULIC OPENING SYSTEM

• To assemble the hydraulic opening system, proceed as follows:

- 01 - Attach the rear stabilizer bar (1) to the front stabilizer bar (2) fixing through the screw (3), pressure washer (4) and nut (5).
- 02 - Then, attach the rear stabilizer bar (1) to the rear frame (6) and the front stabilizer bar (2) to the front frame (7) fixing through the screws (8), lock washers (9) and nuts (10).
- 03 - Then, attach the hydraulic cylinder (11) to the rear stabilizer bar (1) and to the front stabilizer bar (2), fixing through the pins (12), lock washers (13) and screws (14).
- 04 - Finish by attaching the reduction nipple (15) and the hydraulic hoses (16) to the hydraulic cylinder (11).



### WARNING

*This assembly applies only to SP in versions 36 and 42 discs at 175 mm spacing purchased from the factory with hydraulic opening system.*

## SUPPORT BEAM ASSEMBLY

• To assemble the support beam, proceed as follows:

- 01 - Attach the support beam (1) to the front frame (2), fixing through the pin (3), pressure washer (4) and screw (5).
- 02 - Then, pass the support beam (1) inside the rear frame (6) locking it through the screw (7), pressure washer (8) and nut (9).

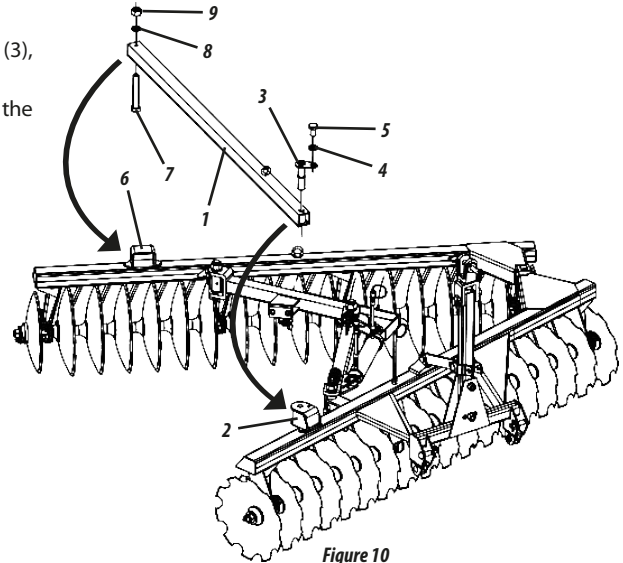


Figure 10



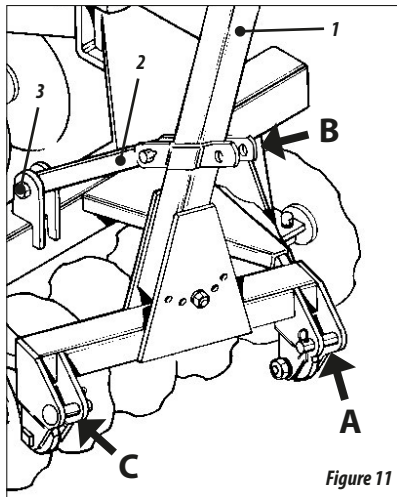
### WARNING

*This assembly applies only to SP in versions 36 and 42 discs at 175 mm spacing purchased from the factory with hydraulic opening system.*

## 05. HITCHING TO THE TRACTOR

### HITCH THE HARROW ON THE TRACTOR HYDRAULIC FOR TRANSPORT OR OPERATION

- 01 - To engage the harrow in the tractor hydraulic lift the header item 2, in the front frame and lock with the pin item 3.
- 02 - Engage the lower left arm of the tractor hitch pin grid as "A", figure 11.
- 03 - Engage 3rd point tractor hitch plate in the header, as the letter "B", Figure 11.
- 04 - Finally, with the help of lever height of the tractor hitch pin on the lower right arm tractor, as the letter "C", Figure 11.



## HITCHING TO THE TRACTOR DRAWBAR

- 01 - To hitch the harrow on the drawbar of the tractor, must check the alignment, adjust the exact height of the hitch of the harrow, use the L coupling pin and cotter pin it as shown in Figure 12.
- 02 - To hitch the harrow, find a safe place and easily accessible, always use low gear at low speed.

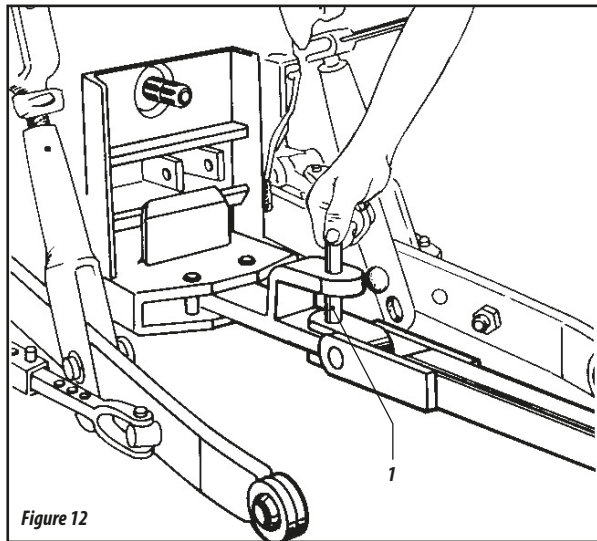


Figure 12



*Before engaging the grid, look for a safe and easily accessible place.*

## 06. ADJUSTMENTS

### DISC HARROW GANGS ADJUSTMENTS

- 01 - The following adjustments can be made for a better disk blade penetration.  
In certain soil conditions, less penetration on gangs may occur, to avoid it adjust the angle of the disc.
- For hard ground conditions, or when more penetration is desired increase the angling of the discs as illustrated on the figure 13.
  - For normal ground conditions decrease the angling for disking.
- 02 - To increase or decrease the angle of the disc remove the bolts from the frame and adjust to the desired position.
- 03 - The ground wheel helps on the depth control.

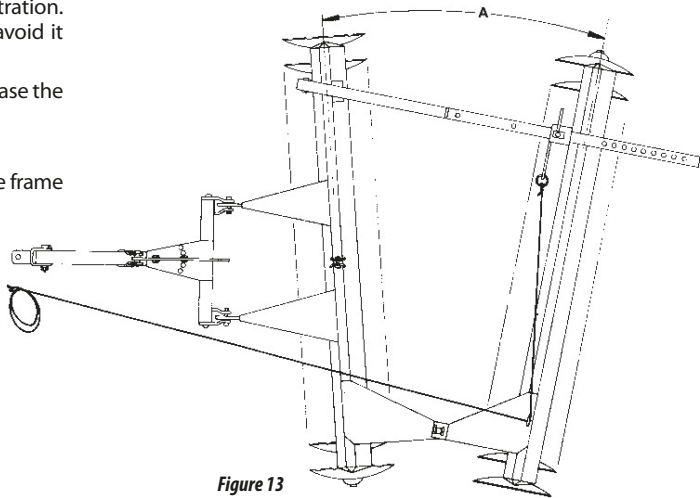


Figure 13



**NOTE**

*For transportation, close the grid completely.*

## DISPLACEMENT ADJUSTMENT

- 04 - This lateral displacement is used to center the harrow behind the tractor, normally when working in unlevelled areas.
- 05 - The hitch beam also has a regulation system to change the discs penetration.

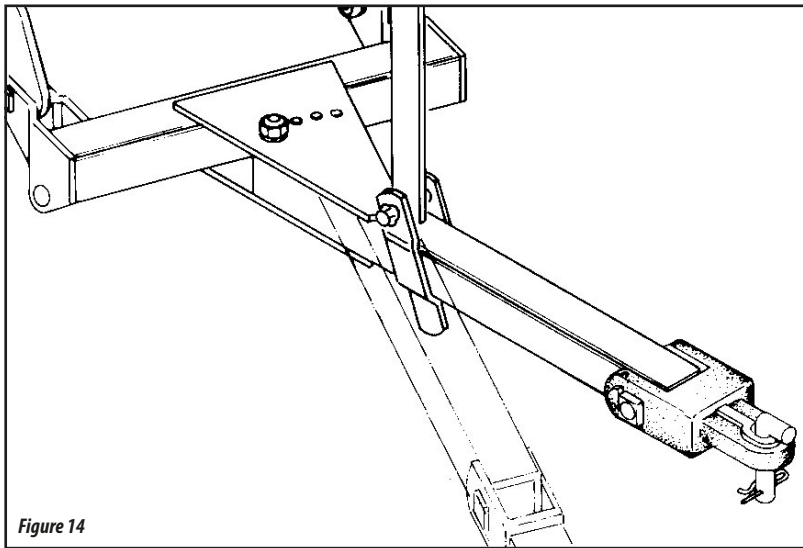


Figure 14

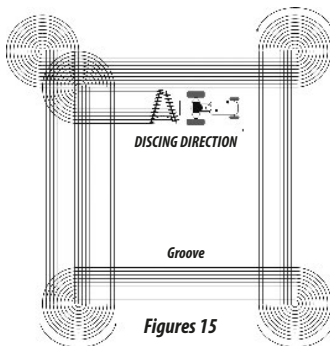
## 07. OPERATIONS

- 01 - Before the beginning of the season use clean off any dirt or grease that may have accumulated on moving parts. This will prevent abrasive action that could cause excessive wear, thoroughly inspect the disk for loose parts and adjust as necessary.

### HOW TO START THE DISC

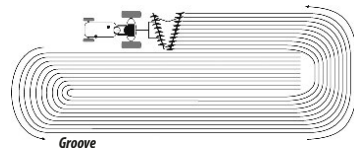
- 02 - Before starting the disc be sure that the harrow is following the contour plowing in order to it stay in left side of the tractor.
- 03 - Do not turn to the right side, as illustrated on drawing 15, the discing area must be in the left side of the tractor.
- 04 - The next drawing show some operations.

### DISC FROM OUTSIDE TO INSIDE



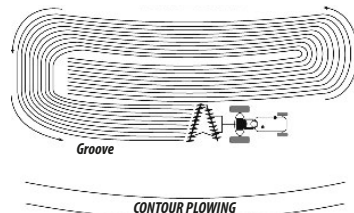
### DISC FROM INSIDE TO OUTSIDE

- 05 - In this direction obtain more accurate discing, when you are working on the edge you should start a new block.



### WORKING IN TERRAIN WITH CONTOUR PLOWING

- 06 - In terrain with contour plowing you should start two blocks each time, be sure that the contour is located on the left side of tractor. When you arrive on half the block you should start a new block to save fuel.



## 08. MAINTENANCE

### LUBRIFICATION

- 01 - The correct lubrication is very important for providing a high durability and good working of the rotating parts of the engine which will result in years of trouble-free from the disc harrow.
- 02 - Before running the engine, lubricate all-grease nipples in accordance with the schedule on the next pages. Use good quality lubrication recommended by the manufacturers.

### LUBRIFICATION OF GREASE BEARING

- 03 - Clean all grease nipple and when it is replace damaged.
- 04 - The amount of grease of each bearing is 150 grams.
- 05 - The grease bearing must lubricated every 12 working hours in accordance with the table below.

### LUBRIFICATION OF OIL BATH BEARING

- 06 - When you start to use the harrow check the oil level and rings from the bearing daily.
- 07 - After several weeks inspect the oil level every 120 working hours.
- 08 - Replace the oil every 1200 working hours. Use oil SAE 90.

TABLE OF EQUIVALENT AND GREASES

Manufacturer	Types of grease recommended
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 2



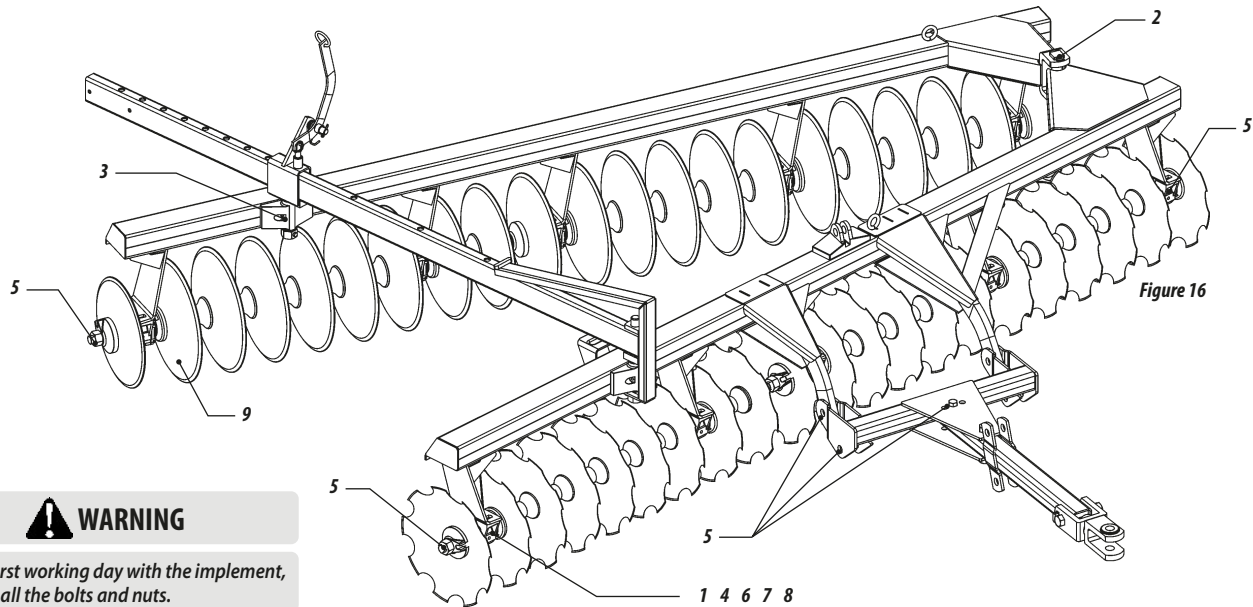
If there were other manufacturers or and other. Equivalent trends that are not listed in this. Table, consult the manufacturer's technical manual.



## 09. LUBRIFICATION POINTS

Item	Part Name	Number of grease nipples						Oil Replacement	Lubricate With Grease	Re-Tighten	Replace	Inspect	Maintenance
		SP - 20 discs espac. 175 SP - 20 discs espac. 200	SP - 24 discs espac. 175 SP - 24 discs espac. 200	SP - 28 discs espac. 175 SP - 28 discs espac. 200	SP - 32 discs espac. 175 SP - 32 discs espac. 200	SP - 36 discs espac. 175 SP - 36 discs espac. 200	SP - 42 discs espac. 175						
1	Bearing	4/6	6	6/8	8	8/12	10		X				12 working hour
2	The Union of frames	1	1	1	1	1	1		X				
3	Chuck latch adjustment	1	1	1	1	1	1		X				
4	Oil from the Bearing											X	120 working hour
5	Nuts, Bolts, Pin									X			
6	Bearing							X					1200 working hour
7	Retains										X		1500 working hour
8	Bearing										X		
9	Discs										X		When Necessary

Table 3



## WARNING

After the first working day with the implement,  
re-tighten all the bolts and nuts.

## 10. BEARING ADJUSTMENTS

• When the bearings present looseness, adjust them on the following way:

01 - Take the washer out item 1.

02 - Release the bolts item 2 and take the lid item 3 out.

03 - Take the joints 1 or 2 item 4, out of the lid bearing. Put it again and tighten it.

04 - If the looseness is still, turn the lid item 3, to increase the adjustment after assemble the lid on the bearing with as many joints as it is necessary.

05 - The bearing should turn freely, that is, without radial and axial looseness.

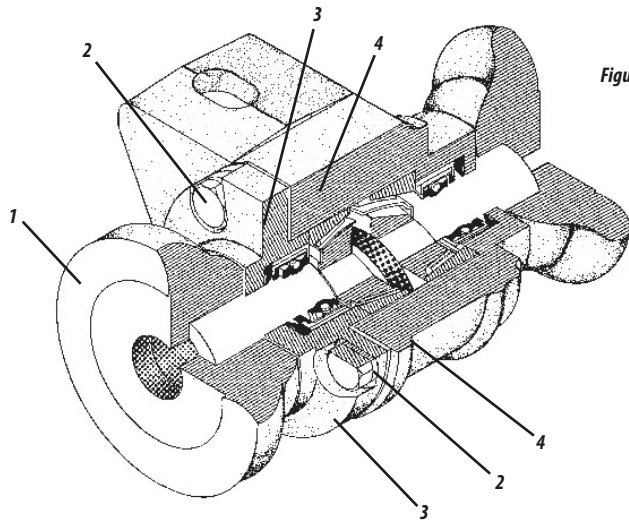


Figure 17



**NOTE**

*Don't assemble the bearing without a joint.*

## 11. HOURLY PRODUCTION OF THE HARROW

01 - To calculate the hourly production of the SP, the following formula should be used:

$$A = \frac{L \times V \times F}{X}$$

### WHERE:

**A** = Area to be worked

**L** = Cutting width ( meters )

**V** = Average tractor ( meters)

**F** = Work hours

**X** = Number of hectares (10.000 m<sup>2</sup>)

**Ex.:** An SP with 36 discs with a spacing of 175 mm, how many Ha or Aa paulista will produce in one hour of work, at an average speed 7 km/h?

**A** = ?

**L** = 3,00m

**V** = 7.000m/h

**F** = 0,90

**X** = 10.000m<sup>2</sup>

$$A = \frac{3,00 \times 7.000 \times 0,9}{10.000} = 1,89 \text{ Ha/h}$$

## APPROXIMATE HOURLY PRODUCTION TABLE

Model	Spacing	Working Width (m)	Average Speed (m/h)	Working Hours	Approximate Production
					Hectares
SP - 20	175	1,70	7.000	0,90	1,07
SP - 20	200	1,90	7.000	0,90	1,20
SP - 24	175	2,00	7.000	0,90	1,26
SP - 24	200	2,30	7.000	0,90	1,45
SP - 28	175	2,33	7.000	0,90	1,48
SP - 28	200	2,70	7.000	0,90	1,70
SP - 32	175	2,70	7.000	0,90	1,70
SP - 32	200	3,10	7.000	0,90	1,95
SP - 36	175	3,00	7.000	0,90	1,89
SP - 36	200	3,50	7.000	0,90	2,20
SP - 42	175	3,60	7.000	0,90	2,26

Table 4

02 - The formula to calculate the approximate production refers to the work area performed by the harrow.

03 - If it is wished to know many hours it will take to harrow a known area, just divide the area by the hourly production of the equipment.

04 - **Example: What is the time (X) necessary for a harrow with 36 discs with a spacing of 175 mm to produce 35 hectares at a medium tractor speed of 7 km/hour?**

$$X = \frac{35 \text{ Ha}}{1,89 \text{ Ha/h}} = 19 \text{ hours approximately}$$

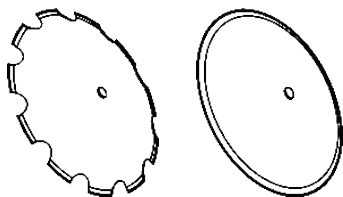
05 - Daily production varies with the pace of work such as moist or dry soils, topography, inadequate machine adjustments etc. These factors are not considered in the table which are based on normal working conditions.

## 12. OPTIONAL

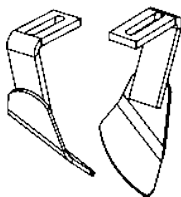
### OPTIONAL ACCESSORIES

01 - The **SP** has optional accessories that can be acquired according to the need of work.

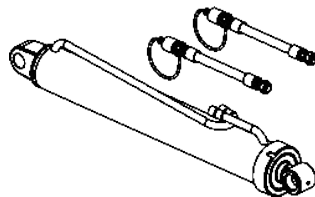
*Figures 18*



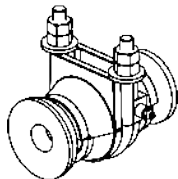
**DISC TRIMMED OR SMOOTH**  
**16", 18" OR 20"**



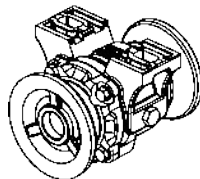
**WIPERS**



**HYDRAULIC OPENING SYSTEM FOR SP**  
**WITH MECHANICAL OPENING**



**CONTACT BEARING**



**GREASE AND OIL BATH BEARING**

### 13. VERSION

#### HYDRAULIC OPENING SYSTEM

01 - **SP** has versions of 36 and 42 discs at 175 mm spacing, with hydraulic opening system.

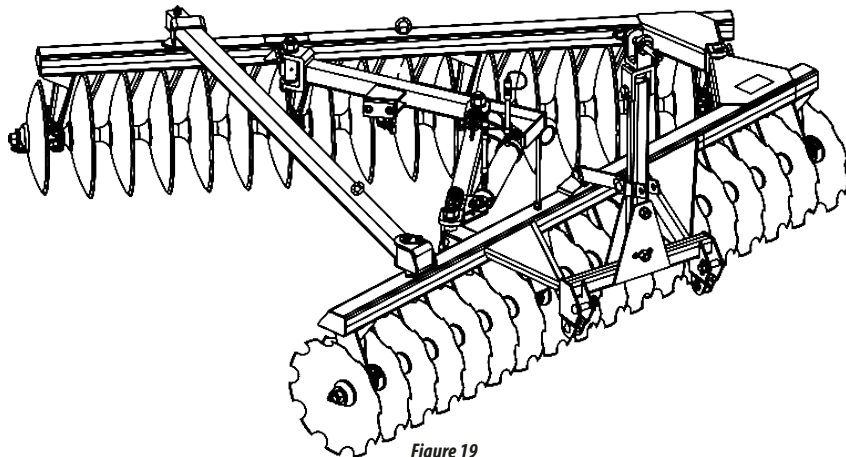


Figure 19

## 14. IDENTIFICATION

- In order to refer parts catalogues or apply technical support from Baldan, always indicate model (1), serial number (2), manufacture date (3) located on the identification tag.

### ALWAYS REQUIRE BALDAN ORIGINAL PARTS



**BALDAN**  
BALDAN IMPLEMENTOS AGRÍCOLAS S/A.  
AV. BALDAN, 1500 | NOVA MATÃO  
CEP 15.993-900 | MATÃO-SP | BRASIL  
FONE: (16) 3221-6500  
CNPJ: 52.311.347/0009-06 | CREA/SP 0170977

01 — Modelo / Model

02 — N° de Série / Serial Number

03 — Data / Date

Tipo / Type

Capacidade / Load Capacity

Peso / Weight

Figure 20



### PUBLICATIONS

Code: 6055020130-8  
CPT: SP16618



### WARNING

*The drawings in this instructions manual are for illustrative purposes only. To enable a better overview and detailed instructions, on some drawings in this manual, safety devices (covers, shields, etc..) were removed. Never operate the agricultural wagon without these devices.*



### CONTACT

*If you have questions, never operate the SP see the post sale.  
Phone: 0800-152577  
e-mail: posvenda@baldan.com.br*



## PRODUCT IDENTIFICATION

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

*Owner:* \_\_\_\_\_

*Dealer:* \_\_\_\_\_

*Farm:* \_\_\_\_\_

*City:* \_\_\_\_\_ *Country:* \_\_\_\_\_

*Model:* \_\_\_\_\_

*Warranty certified number:* \_\_\_\_\_ *Serial number:* \_\_\_\_\_

*Purchase date:* \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ *Invoice. Nr:* \_\_\_\_\_

## 15. 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, wich equipments are guarantee by their manufacturers.
- 10 - The material or manufacture defects, object of this certificate of guarantee, will not be, by any hypotesis, 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:* \_\_\_\_\_

*Adress:* \_\_\_\_\_ *Number:* \_\_\_\_\_

*City:* \_\_\_\_\_ *State:* \_\_\_\_\_

*E-mail:* \_\_\_\_\_ *Date of sale:* \_\_\_\_\_



## 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:* \_\_\_\_\_

*Adress:* \_\_\_\_\_ *Number:* \_\_\_\_\_

*City:* \_\_\_\_\_ *State:* \_\_\_\_\_

*E-mail:* \_\_\_\_\_ *Date of sale:* \_\_\_\_\_





## 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: \_\_\_\_\_

**3ª Page - Manufacturer**

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

Signature / Store's stamp \_\_\_\_\_





Avenida Baldan, 1500  
Nova Matão  
15.993-900  
Matão/SP - Brasil  
sac@baldan.com.br  
export@baldan.com.br

+55 16 3221 6500  
baldan.com.br