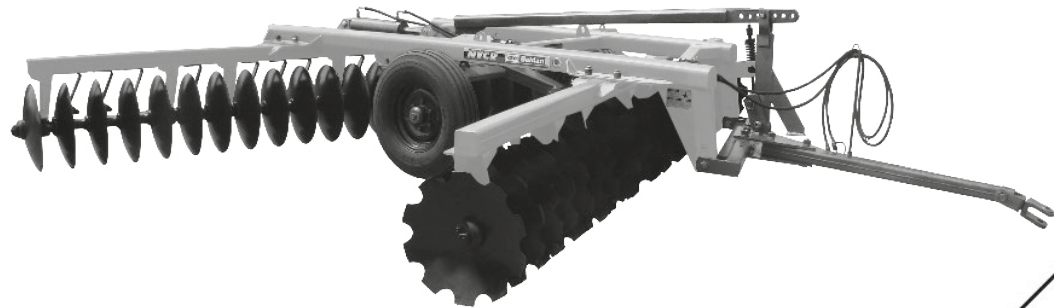


# ***Instruction Manual***



**NVCR**

Wheel Type Offset Leveling Disc Harrow

 **BALDAN**



# INTRODUCTION

**W**e 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.

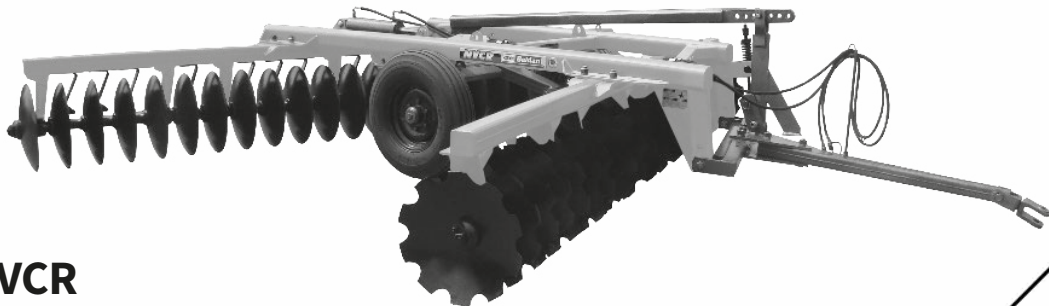
The dealers it's under the responsibility to keep the protection and conservation while keep the implement in your stock, and than, to assembly, tighten, lubrication and overhaul.

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***



## **NVCR**

Wheel 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**

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## 01. SAFETY RULES



THE SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT MESSAGE ON THE MESSAGE ON THE ENGINE, WHEN YOU SEE THIS SYMBOL, BE ALERT TO THE POSSIBILITY OF DEATH OR PERSONAL INJURY. FOLLOW THE INSTRUCTIONS IN THE SAFETY MESSAGE.



### 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.



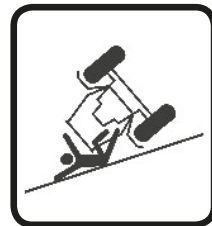
### WARNING

- 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

• 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

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



### WARNING

- Never weld the wheel mounted with tire, the heat may cause air pressure increase and provoke the explosion of the tire.
- When filling the tire, stand at the side of the tire, never in front of it.
- When filling the tire, always use a containment device (filling cage).



### WARNING

- Do not perform adjustments while NVCR is running.
- When performing any service on NVCR, switch off the tractor first. Use appropriate tools.



THE SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT MESSAGE ON THE MESSAGE ON THE ENGINE, WHEN YOU SEE THIS SYMBOL, BE ALERT TO THE POSSIBILITY OF DEATH OR PERSONAL INJURY. FOLLOW THE INSTRUCTIONS IN THE SAFETY MESSAGE.

## 01. SAFETY RULES



### WARNING

- The hydraulic oil operates pressurized and can cause serious injuries, in case of leakage. Periodically verify the condition of the hoses. If there are any signs of leakage, replace them immediately.
- Before connecting or disconnecting hydraulic hoses, release the pressure from the system, activating the control when the tractor is turned off.



### 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

- Dispose residues inappropriately affects the environment and the ecology since you will be polluting rivers, canals or the soil.
- Inform yourself about the proper way of recycling or disposing residues.

### PROTECT THE ENVIRONMENT!



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**









**NVCR - 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.

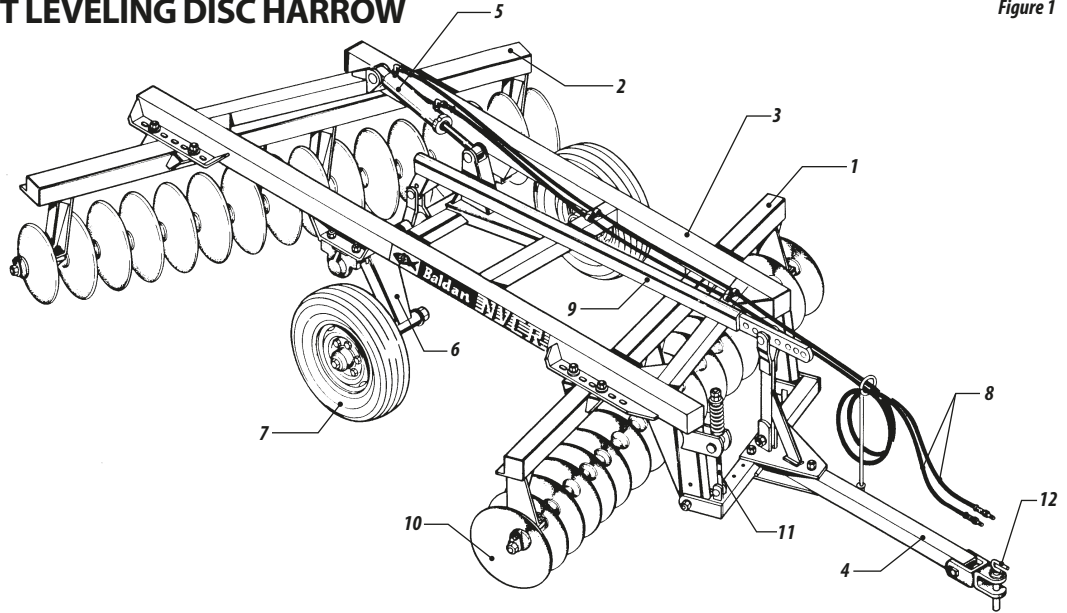
- 09-  Do not carry out adjustments with the implement working.
- 10-  When working over hilly areas try to keep the necessary stability. In case of instability reduce the acceleration, turn the wheels to the inclined side of the land and never lift the implement.
- 11-  Always use the tractor at safe 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.

# WHEEL TYPE OFFSET LEVELING DISC HARROW NVCR

Figure 1

## 02. COMPONENT

- 01 - Front gang
- 02 - Rear gang
- 03 - Main frame
- 04 - Drawbar
- 05 - Shaft hydraulic cylinder
- 06 - Raise Shaft
- 07 - Ground wheel
- 08 - Hoses
- 09 - Stabilization bar
- 10 - Discs
- 11 - Stabilization axle
- 12 - Tongue



### 03. TECHNICAL SPECIFICATIONS

Table 1

Model	Nr of Discs	Discs diameter (ø)	Disc Spacing (mm)	Axle diameter (ø)	Working width (mm)	Working depth (mm)	Approx. weight (Kg)		Required tractor power (HP)
							20"	22"	
NVCR	28	20" - 22"	175	1.1/4"	2350	50 - 150	1188	1289	57 - 66
NVCR	32	20" - 22"	175	1.1/4"	2700	50 - 150	1289	1422	66 - 75
NVCR	36	20" - 22"	175	1.1/4"	3000	50 - 150	1360	1499	75 - 85
NVCR	40	20" - 22"	175	1.1/4"	3420	50 - 150	1450	1590	85 - 95
NVCR	42	20" - 22"	175	1.1/4"	3600	50 - 150	1542	1691	95 - 108
NVCR	44	20" - 22"	175	1.1/4"	3760	50 - 150	1630	1780	108 - 110
NVCR	48	20" - 22"	175	1.1/4"	4100	50 - 150	1769	1932	110 - 118
NVCR	52	20" - 22"	175	1.1/4"	4450	50 - 150	1860	2025	118 - 135
NVCR	28	20" - 22"	200	1.1/4"	2700	50 - 150	1258	1321	66 - 75
NVCR	32	20" - 22"	200	1.1/4"	3100	50 - 150	1359	1431	75 - 85
NVCR	36	20" - 22"	200	1.1/4"	3500	50 - 150	1430	1512	85 - 95
NVCR	40	20" - 22"	200	1.1/4"	3900	50 - 150	1520	1611	108 - 110
NVCR	42	20" - 22"	200	1.1/4"	4100	50 - 150	1617	1712	110 - 118
NVCR	44	20" - 22"	200	1.1/4"	4300	50 - 150	1709	1809	118 - 135
NVCR	48	20" - 22"	200	1.1/4"	4700	50 - 150	1848	1957	126 - 140
NVCR	52	20" - 22"	200	1.1/4"	5100	50 - 150	1950	2068	140 - 153

*Baldan reserves the right to modify any technical specifications without prior notice.  
The technical specifications it 's approximate and informed by regular conditions of work.*

## 04. ASSEMBLY

- 01 - Check the amount of parts in the box using the parts list.
- 02 - Before starting the assembly wear gloves.
- 03 - Install on the shaft (#1) the washer from the disc (#2), the nut (#3) locking washer (#4), using the bolt (#5), keep the nut in the same position of the shaft edge.
- 04 - Install on the shaft (#1) the disc blade (#6) the bearing (#7), another disc blade (#6), spools (#8) then continue the assembly in this sequence as illustrated on the Figure 02.
- 05 - On the rear gang install a disc blade with smaller diameter on the edge "A" as illustrated on the Figure 4 - page 11.
- 06 - When you have completed the assemble with all disc blades, spools and bearing, install the convex washer (#9), the nut (#10), then tighten the system.
- 07 - Lock the gang and tighten the bolt (#10).
- 08 - When you are almost finished the tightening procedure adjust the lock (#11), with the convex washer until that the holes are aligned, then lock using the bolt (#12).

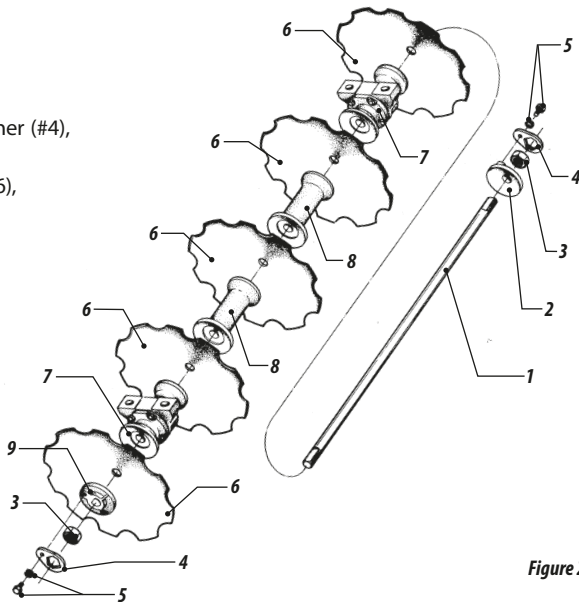
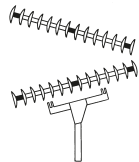


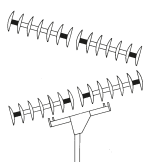
Figure 2

09 - The figures 3 shows the assembly for each model of harrow.

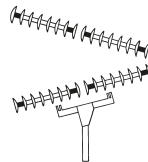
Figures 3



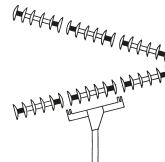
28 DISCOS - SEPARACION. 175 mm



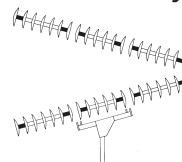
28 DISCOS - SEPARACION. 200 mm



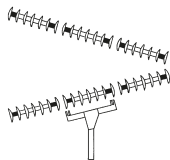
32 DISCOS - SEPARACION. 175 mm



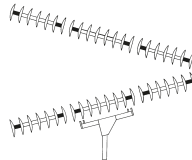
36 DISCOS - SEPARACION. 175 mm



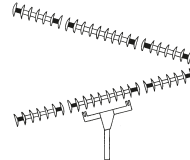
40 DISCOS - SEPARACION. 200 mm



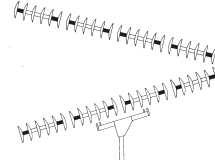
28 DISCOS - SEPARACION. 175 mm



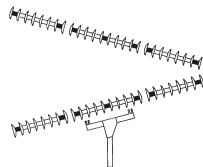
28 DISCOS - SEPARACION. 175 mm



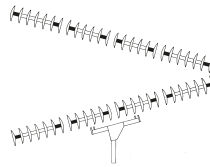
28 DISCOS - SEPARACION. 175 mm



28 DISCOS - SEPARACION. 175 mm



28 DISCOS - SEPARACION. 175 mm



28 DISCOS - SEPARACION. 200 mm

#### LEYENDAS

■ = COJINETE

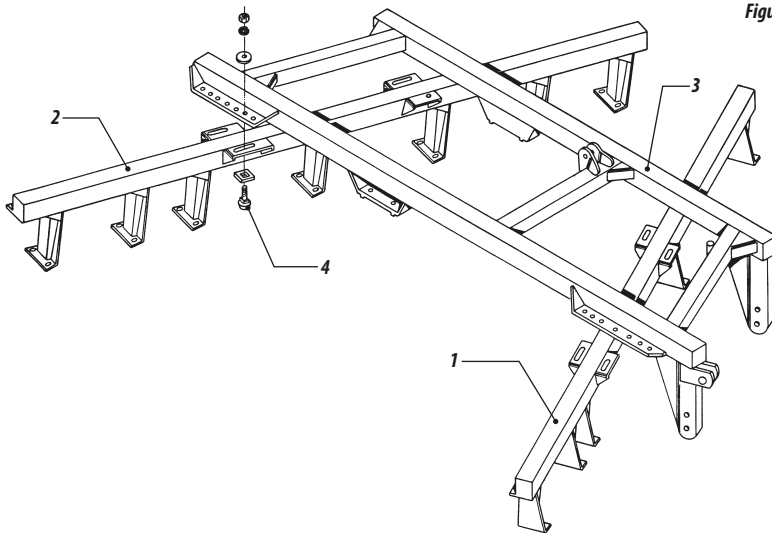
□ = SEPARADOR

⌒ = DISCO

## ASSEMBLE OF FRONT AND REAR GANG

- 10 - Insert the front gang (#1 Figure 4) and rear (#2), in safety terrain.
- 11 - Install the frame (#3) over the gangs and attach using the bolts (#4), lock (#5), washer (#6) and nut (#7).

Figure 4



12 - Raise the gang front or rear install the blades as illustrated on the Figure 3, checking the bearing and gang holes are aligned, then mount using the bolt (#1 - Figure %), be sure that the support is turned in a concave direction as illustrated on the Figure 6.

13 - Raise the second gang, install the blades as instructed in the point above between the disc concave face the opposite direction to the first gang.

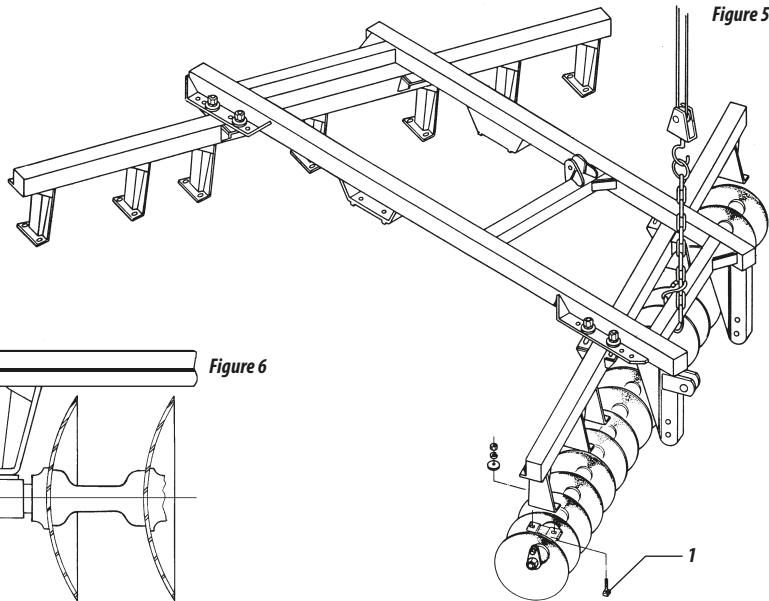


Figure 5

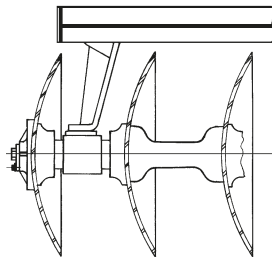


Figure 6

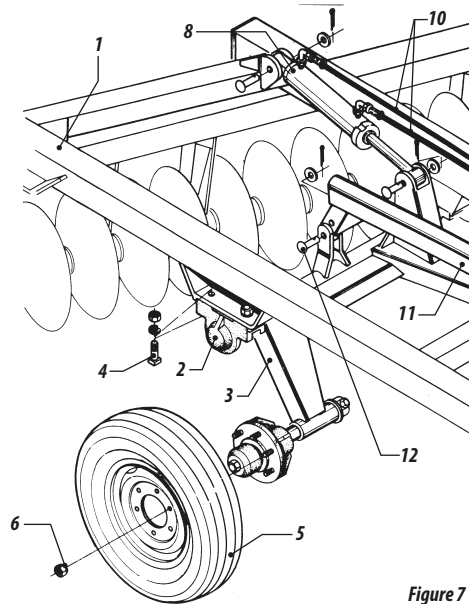
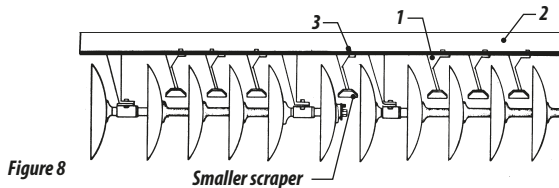


## ATTACHMENT OF GROUND WHEEL AND HYDRAULIC CYLINDER

- 14 - Couple the hub (#2 - Figure 7) on the oscillation shaft (#3), install the hub on the frame (#1) using the bolt (#4).
- 15 - Attach the wheel (#5) on the hub using the bolt (#6).
- 16 - Install the hydraulic cylinder (#8) so that the barrel is coupled on the frame by the pin (#9) and the clevis is attached on the oscillation shaft using the pin (#9), couple the hydraulic hoses (#10) on the hydraulic cylinder.
- 17 - Install the stabilization bar (#11) on the oscillation shaft (#11) using the pin (#12).

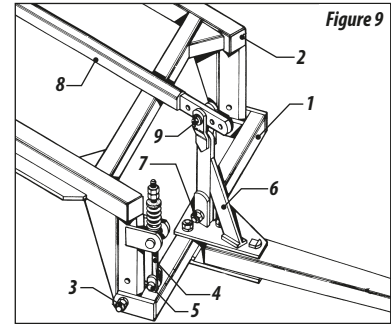
## ASSEMBLY OF SCRAPER

- 18 - Couple the scraper (#1 - Figure 8), on the rear and front gangs (#2), using the bolt (#3).
- 19 - **DANGER:** When installing, adjusting or removing scrapers for any reason, always wear protective gloves to help prevent injury from cutting edges of disk blades or scraper blades.



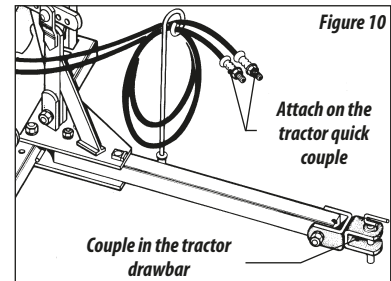
## ASSEMBLY OF DRAWBAR

- 20 - Couple the drawbar (#1 - Figure 9) on the frame (#2) using the bolts and nuts (#3).
- 21 - Install the complete stabilization axle (#4), into the frame sheets fixing the down part on the drawbar using the pin (#5).
- 22 - Insert the stabilization bar support (#6) on the drawbar using the bolt (#7), couple front of stabilization bar (#8) on the support (#9) using the bolt (#9).
- 23 - Insert the hose support on the drawbar install the hoses into it.



## 05. HITCH PROCEDURE

- 01 - Hitch the harrow on the tractor checking the alignment of both adjust the height and use the pin (#1 - Figure 10).
- 02 - To hitch in a safe place in daylight or good artificial light, always use slow speed
- 03 - Couple the hydraulic hoses (#2) in the tractor hydraulic system.
- 04 - Before coupling or uncoupling the hydraulic hoses, shut off the engine release the hydraulic pressure pressing fully the hydraulic controls on the tractor, keep bystanders away during this procedure.



## TRANSPORTE

05 - To transport the harrow install the rod guide (#1 - Figure 11), on the hydraulic cylinder, lock with the pin (#3) and hairpin (#4).

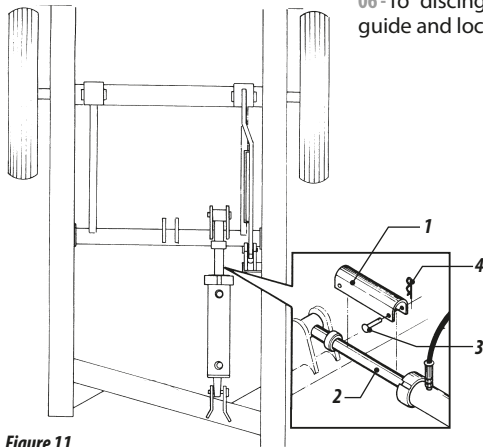


Figure 11

06 - To disking remove the rod guide and lock over the frame.

## 06. ADJUSTMENT AND OPERATIONS

### DISK HARROW GANGS ADJUSTMENTS

- 01 - The following adjustments can be made for a better disk blade penetration.
- 02 - 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 12.
  - For normal ground conditions decrease the angling for disking.
- 03 - To increase or decrease the angle of the disc remove the bolts from the frame and adjust to the desired position.
- 04 - The ground wheel helps on the depth control.

*Decrease the  
angling for  
disking*

*Increasing the  
angling for  
disking*

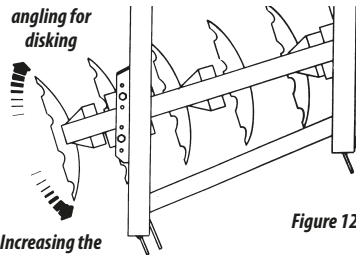


Figure 12

## HITCH ANGLE FOR DISKING

- 05 - In certain soil conditions, less penetration on left front and/or right rear gangs may occur. The following adjustments can be made to equalize disk blade penetration. The harrow must be positioned so disk will trail directly behind tractor then insert the sheets on the left or right side as illustrated on the Figure 13.
- 06 - The drawbar work in the central sheet hole for normal soils and down position for medium hard soil, moving to the other holes will change the disc angle of front gang.

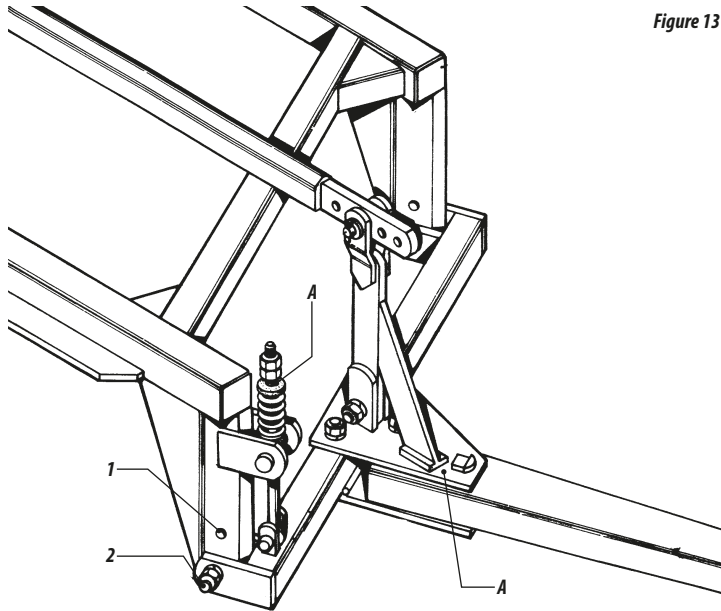


Figure 13

## ADJUSTMENT OF HITCH BAR

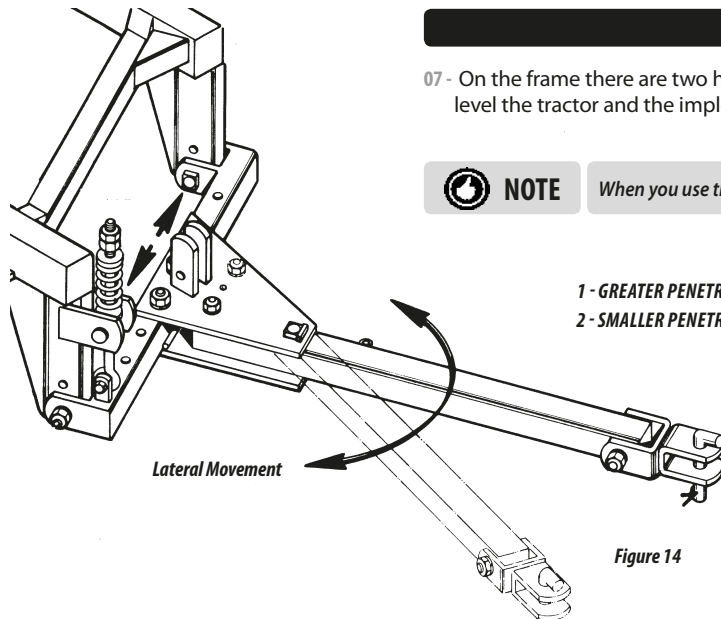
- 07 - On the frame there are two hitch arms having two holes as illustrated on the drawing 15, in order to level the tractor and the implement drawbar.



### NOTE

*When you use the biggest hole it will increase the gauge the smaller decrease.*

- 1 - GREATER PENETRATION  
2 - SMALLER PENETRATION



## ADJUSTMENT OF STABILIZATION AXLE AND SUPPORT STABILIZATION BAR

- 08 - Keep a distance of 10 to 20cm between the nut and the stabilization axle base; and same distance from the bar to the drawbar support as illustrated on the view "A" page 18 drawing 13.

Figure 14

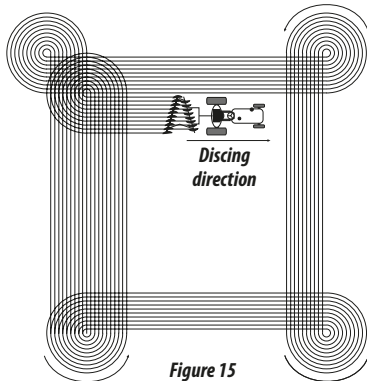
## 07. OPERATIONS

- 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

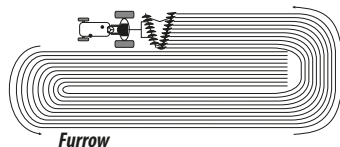
- 02 - Before starting the disc be sure that the harrow is following the contour plowing in order to it stay in left side of the tractor.
- 03 - Do not turn to the right side, as illustrated on drawing 16, the discing area must be in the left side of the tractor.
- 04 - The next drawing show some operations.

### DISC FROM OUTSIDE TO INSIDE



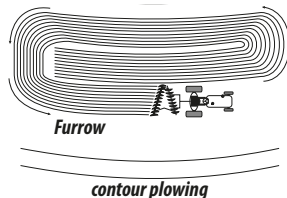
### DISC FROM INSIDE TO OUTSIDE

- 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. BEARING

01 -The NVCR can be equipped with oil or grease bearing, the customers should choose which is better for their applications.

### MAINTENANCE

02 -Your NVCR was developed to provide high performance in all terrain conditions, in order get many years of trouble free follow the procedures below.

### DISCS

03 -Keep always the discs sharp.



### ATTENTION

Check regulary the bolts and nuts, re-tighten when necessary. This maintenance procedure must be done every 8 working hours.

### BLADE TIGHTEN

04 -Before every working day inspect blades, frames, gangs, when necessary tighten it.

### LUBRICATION

#### BEARING

01 -Oil: Check the oil level by the plug every 8 working hours and replace it every 120 working hours with the oil recommended by the manufacturer.

Use only oil SAE 90.

02 -GREASE: The bearing should be greased at least every 8 working hours. Using the grease recommended by the manufacturer.



### NOTE

The correct lubrication is very important for providing a high durability.

### TABLE OF EQUIVALENT AND GREASES

Manufacturer	Grease Type
Petrobrás	Lubrax GMA 2
Atlantic	Litholine MP 2
Ipiranga	Super Grasa Ipiranga Ipiranga Super Grasa 2 Ipfiflex 2
Castrol	LM 2
Mobil	Mobilgrease MP 77
Texaco	Marfak 2 Agrotex 2
Shell	Retinax A Alvania EP 2
Esso	Multipurpose grease H
Bardahl	Maxlub APG 2 EP

Table 3



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

## 09. LUBRICATION

- 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.

### LUBRICATION OF GREASE BEARING

- 03 - Clean all grease nipple and when it is replace damaged.
- 04 - The amount of grease for each bearing is 200 grams.
- 05 - The grease bearing must lubricated every 12 working hours in accordance with the table below.



#### NOTE

*Before using other brands of lubrication or grease of other brands consult their technical publication.*

### LUBRICATION OF OIL BATH BEARING

- 06 - When you start to use the harrow check the oil level and the 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.



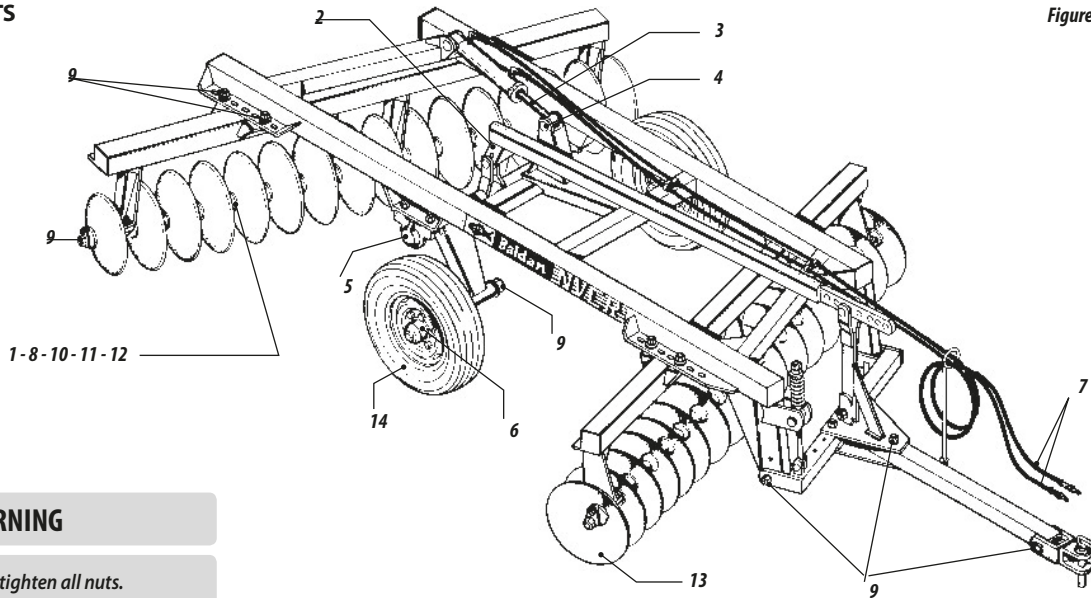
## 10. LUBRICATION POINTS

Table 3

ITEM	Part name	Number of grease nipple											Oil replacement	Lubricate with grease	Re-tighten	Replace	Inspect	Maintenance Schedule
		NVCR 28 SPAC:- 175	NVCR 28 SPAC:- 200	NVCR 32 SPAC:- 175/200	NVCR 36 SPAC:- 175/200	NVCR 40 SPAC:- 175/200	NVCR 42 SPAC:- 175/200	NVCR 44 SPAC:- 175/200	NVCR 48 SPAC:- 175	NVCR 48 SPAC:- 200	NVCR 52 SPAC:- 175	NVCR 52 SPAC:- 200						
1	Bearing	6	8	8	12	12	12	12	12	16	14	16		x				12 hours
2	Stabilization Bar	1	1	1	1	1	1	1	1	1	1	1		x				
3	Rod	1	1	1	1	1	1	1	1	1	1	1		x				60 hours
4	Clevis	1	1	1	1	1	1	1	1	1	1	1		x				
5	Wheel Articulation shaft	2	2	2	2	2	2	2	2	2	2	2		x				
6	Wheel hubs	2	2	2	2	2	2	2	2	2	2	2		x				
7	Hydraulic system																x	
8	Oil from the bearing																x	120 hours
9	Nuts, bolts, pin														x			Daily
10	Bearing												x					1200 hours
11	Seal ring															x		1500 hours / when necessary
12	Bearing															x		
13	Blades															x		When necessary
14	Tyre															x		

## 11. LUBRICATION POINTS

Figure 16



### WARNING

*After the first working day re-tighten all nuts.*

## 12. HOW TO CAUCULATE HOURLY PERFORMANCE IN YOUR REMONTE CONTROL DISK HARROW

01 - To calculate culate the hourly performance use the model below:

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

### WHERE:

**A** = Working area

**L** = Working width of the harrow in meters

**V** = Tractor's speed average, meters per hour

**F** = Performance rate 90% (0.90)

**X** = Value of Hectare 10.000 m<sup>2</sup>

02 - **Model:** what is the performance of a disk harrow with 42 discs hauled by a tractor in a ground speed of 7km/h?

**A** = ?

**L** = 3,60m

**V** = 7.000m/h

**F** = 0,90

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

$$A = \frac{3,60 \times 7.000 \times 0,90}{10.000} = 2,26\text{Ha (hectarea)}$$

### 03 - Hourly performance table of disk harrow:

**Table 4**

Model	Spacing (mm)	Working Width (mm)	Speed (m/h)	Performance Rate	Performance per hour:
					Hectares
NVCR - 28	170	235	7000	0,90	1,48
NVCR - 28	200	270	7000	0,90	1,70
NVCR - 32	170	270	7000	0,90	1,70
NVCR - 32	200	310	7000	0,90	1,95
NVCR - 36	170	305	7000	0,90	1,92
NVCR - 36	200	350	7000	0,90	2,20
NVCR - 40	170	342	7000	0,90	2,15
NVCR - 40	200	390	7000	0,90	2,45
NVCR - 42	170	360	7000	0,90	2,26
NVCR - 42	200	410	7000	0,90	2,58
NVCR - 44	170	376	7000	0,90	2,36
NVCR - 44	200	430	7000	0,90	2,70
NVCR - 48	170	410	7000	0,90	2,58
NVCR - 48	200	470	7000	0,90	2,96
NVCR - 52	170	445	7000	0,90	2,80
NVCR - 52	200	510	7000	0,90	3,21

04 - The equation to calculate the performance is based on the area that will be worked.

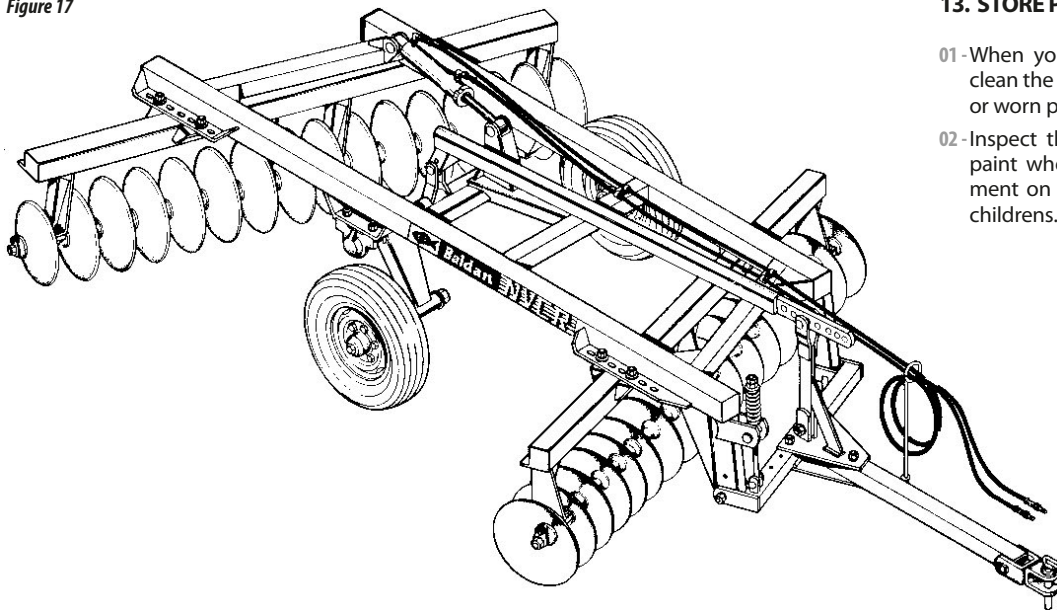
05 - To know how long you might take to work a area, divide the value by hourly performance.

06 - **Model:** how long will you spend with a NVCR 42 discs spacing 175mm in a area of 35 hectare hauled by a tractor in 7km/h?

$$\frac{X= 35\text{Ha}}{2,26\text{Ha/h}} = 15,48 \text{ horas aproximadamente}$$

07 - Effective harrow's performance might change due to physical factors as moisture, hilly and hardness soil. Also, improper adjustments and working speed could result in a poor performance.

Figure 17



### 13. STORE PROCEDURE

- 01 -When you finish the season inspect and clean the disc harrow, looking for damaged or worn parts. Lubricate the disk harrow.
- 02 -Inspect the frame, drawbar and scrapers, paint when if damaged. Keep the equipment on a leveled surface away from the childrens.

## 14. IDENTIFICATION

01 - 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

 <b>BALDAN</b> BALDAN IMPLEMENTOS AGRÍCOLAS S/A. AV. BALDAN, 1500   NOVA MATÃO CEP 15.993-900   MATÃO-SP   BRASIL FONE: (16) 3221-8600 CNPJ: 52.311.347/0009-06   CREA/SP 0170877		
01 — Modelo / Model	03 — Data / Date	
02 — N° de Série / Serial Number	Tipo / Type	
Capacidade / Load Capacity	Peso / Weight	



### PUBLICATIONS

Code: 6055010473-6

CPT: NVCR08016



### 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 NVCR see the post sale.*

Phone: 0800-152577

e-mail: [posvenda@baldan.com.br](mailto:posvenda@baldan.com.br)

## PRODUCT IDENTIFICATION

- Do the identification below to always have the properly informations about your equipment life time.

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

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

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

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

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

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

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



[illegible]

# 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 **after-sales@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:* \_\_\_\_\_



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

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

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

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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 \_\_\_\_\_





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