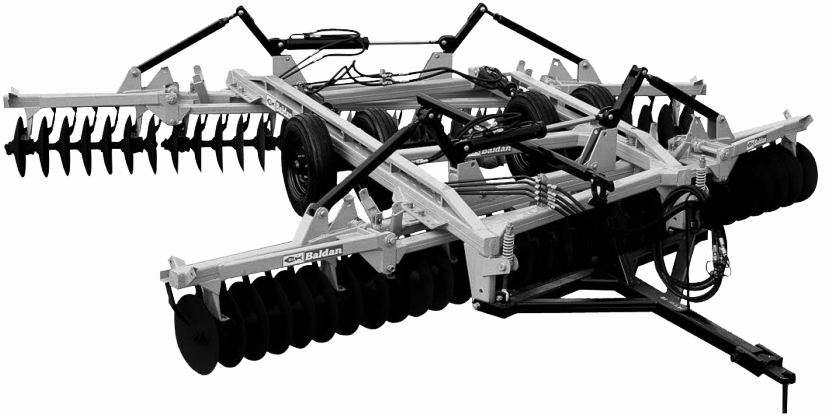
Instruction
Manual



SNVA

Leveling Disc Harrow Remote Control

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 necessaries, since when you bought until the operational proceeds application, security and maintenance.

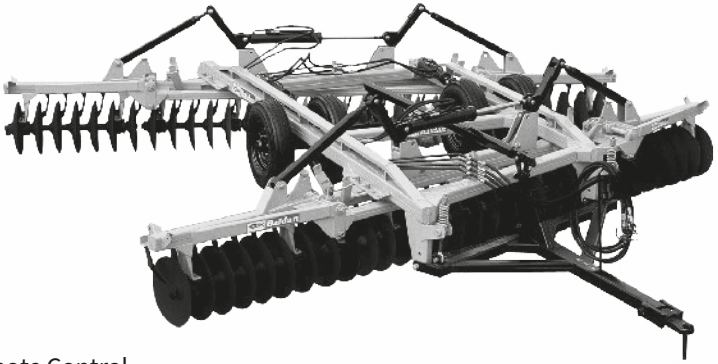
The **BALDAN** guarantees that deliver this implement to the dealer, working properly, and in perfect conditions.

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



SNVA

Leveling Disc Harrow Remote Control

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

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

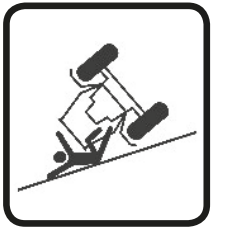
• Only start the tractor operations, when are you properly accommodated and with the seat belt fasted.

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.



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

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

• 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

• 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:

The mishandling of this equipment can result in serious or fatal accidents. Before placing the implement in operation, carefully read the instructions in this manual. Make sure that the person responsible for the operation is instructed regarding the correct and safe handling. Also make sure that the operator have read and understand the operating instructions for this machine.

1 - **When operating the implement, do not allow people to stay very close to or on the implement.**

2 - **When performing any assembly or disassembly service in sections of disc, put gloves on hands.**

3 - **When connecting or disconnecting hydraulic hoses, relieve circuit pressure.**

4 - **Periodically check the condition of the hoses. If there is evidence of oil leaks, replace it immediately because the oil works under high pressure and can cause serious injury.**

5 - **Do not wear loose clothing as they can curl up on the implement.**

6 - **When putting the tractor engine running, you should be properly seated in the operator's seat and aware of the complete, proper and safe handling for both the tractor and the mower. Always place the gearshift lever in neutral position, turn the command gear off the PTO and put the hydraulic commands on neutral position.**

7 - **Do not run the engine indoors or without adequate ventilation, because the exhaust fumes are harmful to health.**

8 - When maneuvering the tractor to the implement coupling, make sure that you have the necessary space and that no one is very close, always maneuvering at slow speed and be prepared to brake in an emergency.

9 - Do not make adjustments with the implement running.

10 - When working on slopes proceed with caution always looking to maintain the necessary stability. In case of early imbalance, reduce the throttle; turn the wheels to the side of the declivity and never lift the implement.

11 - Always drive the tractor at speeds compatible with safety, especially when working in rough terrain or slopes, always keep the tractor hitched.

12 - When driving the tractor on roads keep the brake pedals interconnected.

13 - Do not operate the tractor with the front without load. If the front has a tendency to lift, add more weight on the front or the front wheels.

14 - When leaving the tractor, place the gearshift lever in neutral and apply the parking brake. Never leave the implements hitched in tractor on the raised position of the hydraulic system.

15 - Alcohol or drugs can generate some loss of reflections and change the physical conditions of the operator. Therefore, do not operate this equipment under the use of these substances.

16 - Read or explain the above procedures to the user that cannot read.

02 - COMPONENTS

1 - Front center frame
2 - Front left side frame
3 - Front right side frame
4 - Rear center frame
5 - Rear left side frame
6 - Rear right side frame
7 - Header
8 - Header coupling
9 - Piston of articulation
10 - Link bar
11 - Spring of articulation
12 - Piston of the axis articulation
13 - Lifting axis
14 - Wheels
15 - Oil lead pipes
16 - Hoses
17 - Stabilizer bar
18 - Discs
19 - Stabilizer Rod
20 - Coupling jumelo

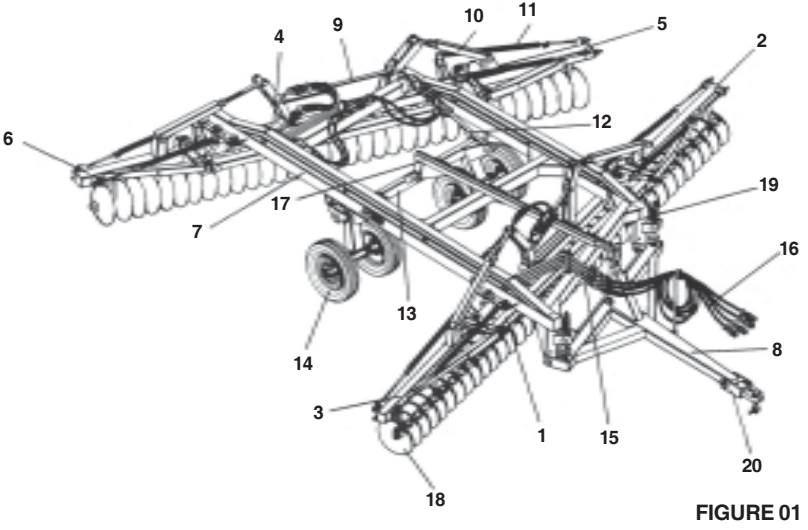


FIGURE 01

03 - TECHNICAL SPECIFICATION

Model	Nº of Disks	Width of Work (mm)	Approximate Weight		Power of the tractor (Cv)	Spacing between Discs (mm)	Depth approximate of work	Diameter of the axis (ø)	Diameter of the Discs (ø)	Wheel set
			20" (Kg)	22" (Kg)						
SNVAM	60	5150	3453	3546	160 to 180	175	50 to 150	1.1/4"	20" - 22"	Double
SNVAP	60	5150	3461	3554	160 to 180	175	50 to 150	1.1/4"	20" - 22"	Double
SNVAM	64	5500	3520	3644	180 to 215	175	50 to 150	1.1/4"	20" - 22"	Double
SNVAP	64	5500	3528	3652	180 to 215	175	50 to 150	1.1/4"	20" - 22"	Double
SNVAM	72	6200	3690	3832	215 to 258	175	50 to 150	1.1/4"	20" - 22"	Double
SNVAP	72	6200	3698	3840	215 to 258	175	50 to 150	1.1/4"	20" - 22"	Double
SNVAM	76	6550	3766	3913	215 to 258	175	50 to 150	1.1/4"	20" - 22"	Double
SNVAP	84	7260	3942	4115	258 to 310	175	50 to 150	1.1/4"	20" - 22"	Double
SNVAM	56	5500	3445	3567	140 to 160	200	50 to 150	1.1/4"	20" - 22"	Double
SNVAP	56	5500	3453	3548	140 to 160	200	50 to 150	1.1/4"	20" - 22"	Double
SNVAM	60	5900	3575	3697	160 to 180	200	50 to 150	1.1/4"	20" - 22"	Double
SNVAP	60	5900	3495	4627	160 to 180	200	50 to 150	1.1/4"	20" - 22"	Double
SNVAM	64	6300	3510	3632	180 to 215	200	50 to 150	1.1/4"	20" - 22"	Double
SNVAP	64	6300	3518	3579	180 to 215	200	50 to 150	1.1/4"	20" - 22"	Double
SNVAM	68	6700	3617	3703	215 to 258	200	50 to 150	1.1/4"	20" - 22"	Double
SNVAP	84	7100	3856	3926	215 to 258	200	50 to 150	1.1/4"	20" - 22"	Double

TABLE 01

The Baldan reserves the right to change the specifications of this product without prior notice. The technical specifications are approximate and reported in normal working conditions.

04 - ASSEMBLY

1 - Check the parts with list that is found inside the packaging box.

2 - Before beginning assembly, put protection gloves on your hands.

3 - The installation should start by the set of disks.

DISC SET ASSEMBLY (**FIGURE 02 AND 03**)

4 - Place the shaft item 1, **FIGURE 02** concave thrust washer item 2, a nut item 3, the lock item 4 and secure with lock washer item 5 and screw item

5 - Place the shaft item 1, the first disc of smaller diameter, Item 7, one bearing item

8, a disk of medium diameter item 9, a spool tab item 10, a normal diameter disc item 11, one reel tab item 10 and so on until the desired section as shown in **Figure 02**. Note the complete assembly as shown in **FIGURES 04**, page 11.

6 - When the set is complete with all discs, bearings and spool tabs, place the convex thrust washer item 12, the nut item 3, giving a prior grip to the whole.

7 - That done, shim all the discs and tighten the nut item 3 through impacts. When it is about achieving maximum grip, adjust latch item

4 with the convex washer, always tighten the nut to match the drilling, fix them through the lock washer item 5 and bolt item 6.

Note: (*) When mounting the roller bearings, make sure they are mounted with the lubrication system facing the back of the implement as shown in **FIGURE 03**.

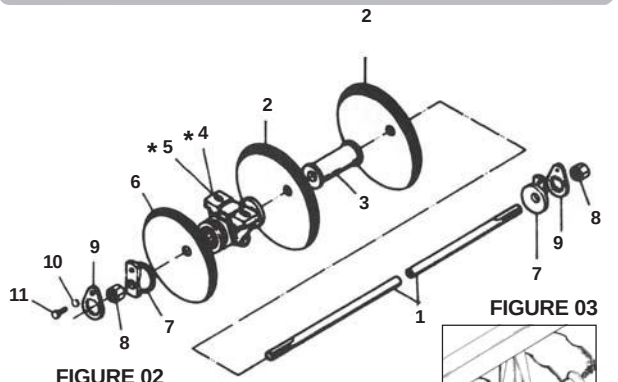
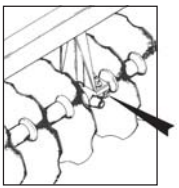


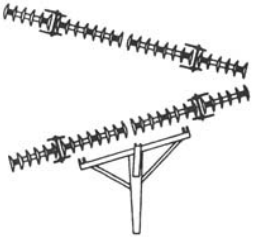
FIGURE 02

FIGURE 03

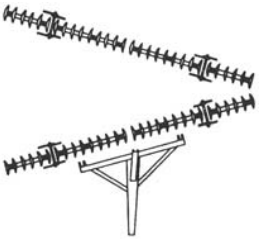


View of the front and rear section fitted with lubrication system for the back of the implement to give greater protection to the it.

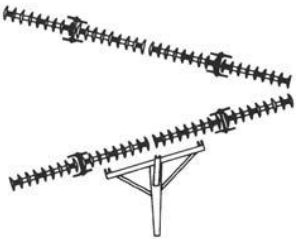
8 - **FIGURES 04** show the assembly of sections of discs for each type of grid.



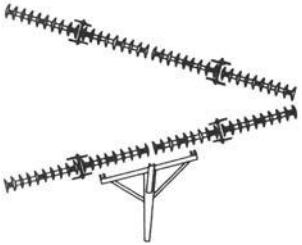
SNVAM/P 56 Discs



SNVAM/P 60 Discs

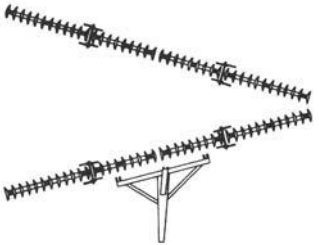


SNVAM/P 72 Discs



SNVAM/P 76 Discs

FIGURES 04



SNVAM/P 84 Discs

LEGEND:

= Bearing

= Reel/Separator

= Disc

FRONT AND REAR FRAMES MOUNTING ON HEADER (**FIGURE 05)**

9 - Put the front frame item 1 **FIGURE 05**, and rear frame Item 2 on flat and clean place.
10 - Put the header item 3 on the frames and secure them through screws item 4 with lock, washer and nuts item 5.

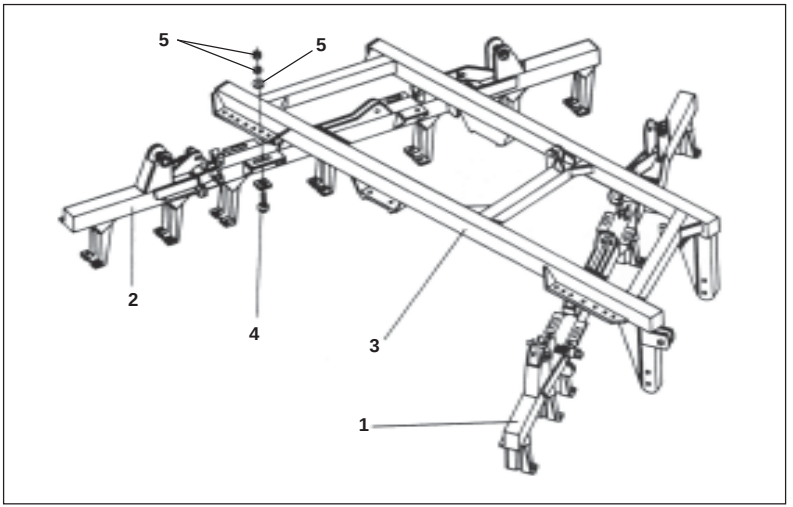


FIGURE 05

11 - Put the header with the frames on flat and clean place.

12 - Lift the header part (front or rear), put the disc sections under the frames, observing the disposition of them as shown in **FIGURES 04** page 11. To match the drilling of shoes with bearings, and make the assembly using the screws item 1 **FIGURE 06**, washers and nuts item 2, noting that the mounting bracket (shoe) should be facing the concavity of the discs, as shown in **FIGURE 07.**

13 - Raise the other side of the grid and repeat the above operation, ensuring that the concavity of the discs stay in a section opposite to each other.

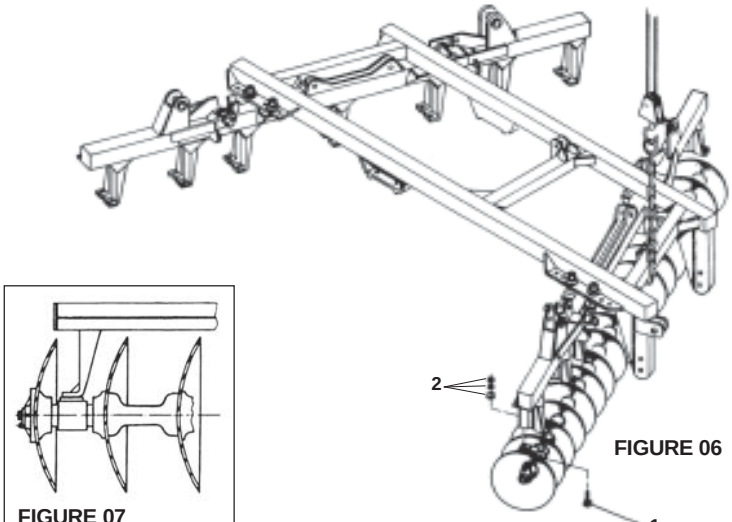


FIGURE 06

FIGURE 07

MOUNTING THE WHEELS (**FIGURE 08**)

14 - Coupling hubs item 2, **FIGURE 08,** in the axis of articulation item 3, secure header hubs item 1 with screws item 4.
15 - Place the mounted wheel item 5 on the propshaft item 3 and secure them with clamps item 6.
15 - Place the mounted wheel item 5 on the propshaft with pin item 8.

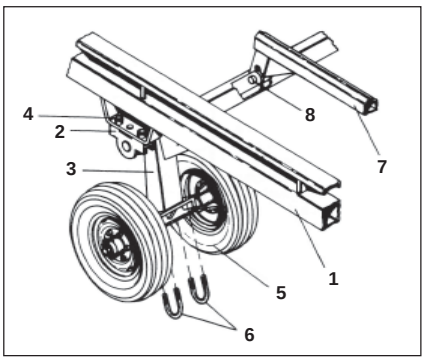
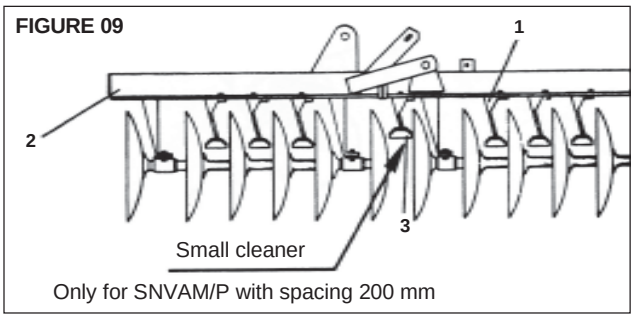


FIGURE 08

MOUNTING THE CLEANERS **(FIGURE 09)**

17 - Secure the larger cleaners item 1 **FIGURE 09**, on the front and rear frames item 2.
18 - Secure the spacing comprising the joint, smaller wiper item 3.

FIGURE 09



Note: For a SNVAM grid with spacing of 175 mm, the wipers are different, but the assembly is the same, only there is small cleaner.

JOINT SPRING ASSEMBLY **(FIGURE 10)**

19 - Put the spring item 3, **FIGURE 10**, in support of the central frame item 1, put the adjustment rod item 4 on the other end of the spring and insert it in the side frame support item 2.
20 - To adjust the spring pressure should articulate the grid and tighten the nut item 4 of the rod until the spring is tight.

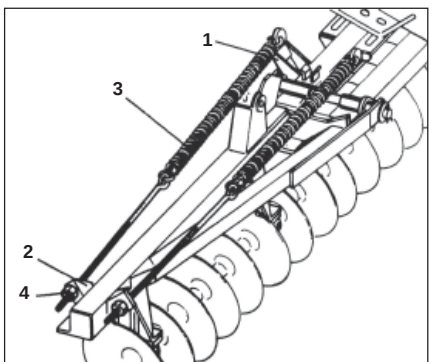


FIGURE 10

JOINT PISTON ASSEMBLY **(FIGURE 11)**

21 - Place the joint bar support item 3 **FIGURE 11,** in center frame support item 1, put the joint bar item 2 (with the side of the adjustment spindle on the bar bracket item 3). Through pin item 4, place the other end of the articulation bar in the side frame support. Enter the pivot piston item 5 in the joint bar support item 3 and secure it with the pin item 6.

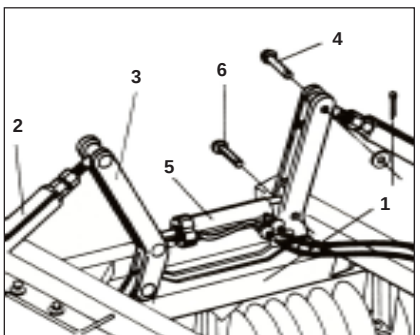


FIGURE 11

HITCH HEADER MOUNTING **(FIGURE 12)**

22 - Attach the coupling header item 1, **FIGURE 12**, on the header item 2 with the screws item 3, washer and nut item 4.
23 - Enter the complete stabilizer rods item between the header plates and secure the lower part of the header rod through the pin item 6.
24 - Place the stabilizer bar bracket item 7 in the header with the screw item 8.
Attach the stabilizer bar front part item 10 in support via pin item 11.
25 - Fasten the hose clamps item 10 in the header and enter the hoses through the hole of it.

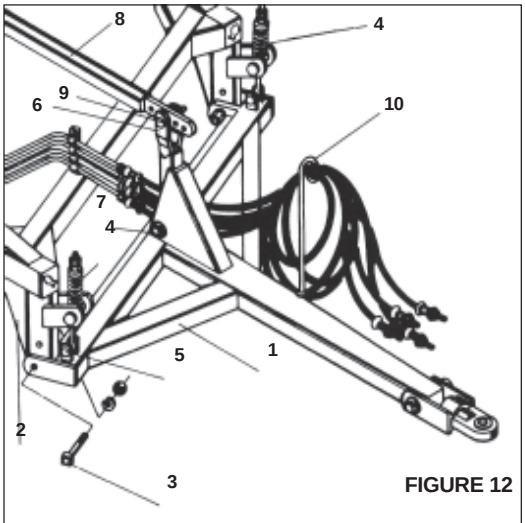


FIGURE 12

26 - Install the pipes item 1 **FIGURE 13** on the header with clips, put the pivot piston on tires 2 and pivot piston on grid item 3 with their respective pins.
27 - Connect the hoses item 4 to the grid pivot pistons and to the left pivot piston on the tires, connect the hoses item 5 of right pivot piston on tires and finally put the remote control hoses Item 6 at the end of the pipes item 1.

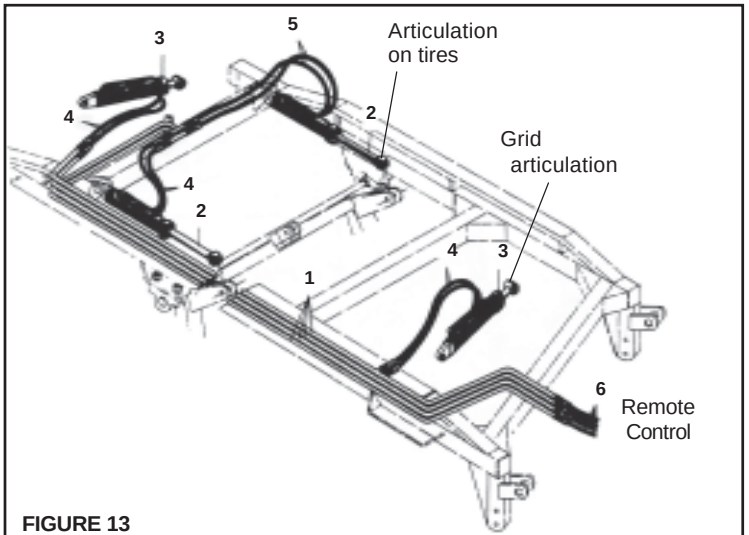


FIGURE 13

GRID HITCH ON THE TRACTOR DRAWBAR **(FIGURE 14)**

1 - To engage the tractor drawbar, you should observe the alignment of it, adjust the exact height of the hitch of the grid and use the "L" coupling pin item 1 **FIGURE 14**.

2 - To engage the grid, find a safe place and easy to access, always use low gear with low acceleration.

3 - Attach hoses item 2 to the tractor quick hitch.

4 - Before connecting or disconnecting hydraulic hoses, stop the engine and relieve circuit pressure, fully activating the levers of command. Ensure that by relieving the pressure system, no one gets injured with the equipment movement.

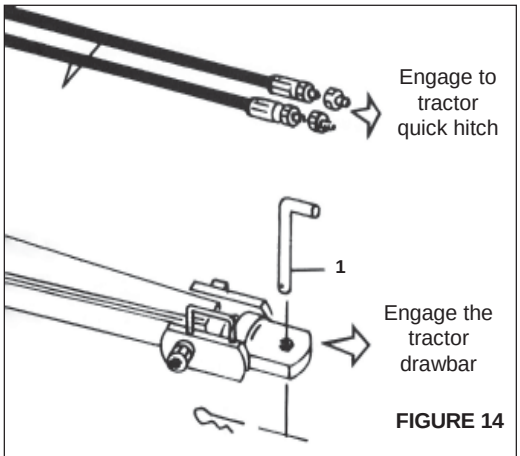


FIGURE 14

ADJUSTMENT OF GRID OPENING **(FIGURE 15)**

1 - To obtain optimum penetration of the disks, you should adjust the opening of the grid that will come under the soil type:
- In the land of greatest difficulty penetration, increases the grid opening, as shown in **FIGURE 15**.
- In the loose and light land, decreases the grid opening.
2 - To open or close the grid, remove the screws securing the frame at the moment and take off the frames on an ideal setting, as shown in figure 16.
3 - The wheels also help control the depth of the discs.

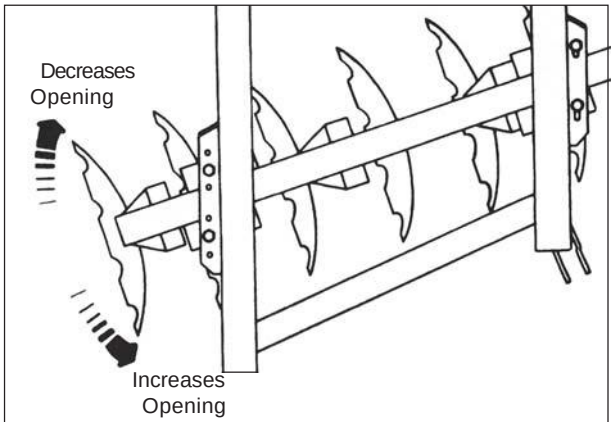


FIGURE 15

SETTING THE CROSSBAR **(FIGURE 16)**

5 - Coupling arms are welded on the header, which have two holes, as shown in **FIGURE 16**, whose main purpose is the leveling
of the header of the grid relative to the tractor drawbar.

NOTE: When engaged to the top hole, penetration will be greater and hence the penetration will be smaller on the lower holes.

1 - Enhances penetration

2 - Decreases penetration

STABILIZER ROD ADJUSTMENT AND STABILIZER BAR HOLDER **(FIGURE 16)**

8 - Leave a clearance of 10 to 20 mm between the nut and stabilizer rod spring back; also observe a gap of 10 to 20mm between the support of the stabilizer bar and the holder header
as the letter "A" on **FIGURE 16**.

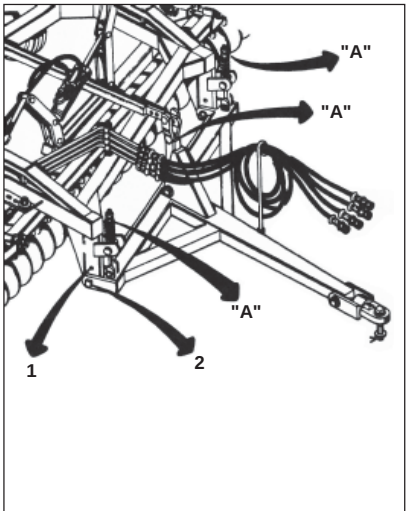


FIGURE 16

JOINT BAR SETTING **(FIGURE 17)**

1 - To level the frames of articulated ground tool, the measure "A" should be + 1000 mm, - as **FIGURE 17**.

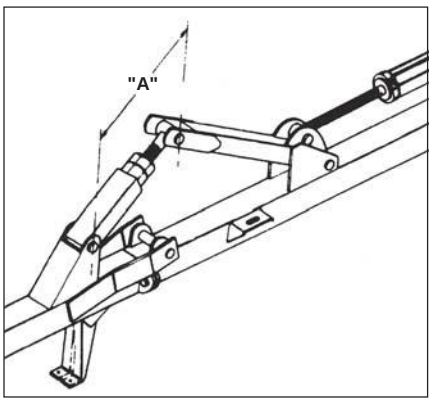


FIGURE 17

PERATIONS OF WORK **(FIGURES 18)**

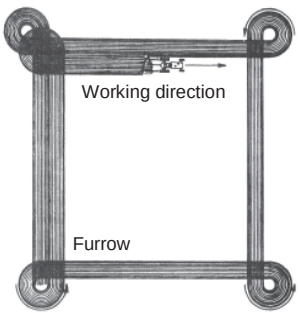
1 - Before starting operations with the gride, review it fully, retightening all screws, nuts, hose terminals, axis and especially the sections of discs.

2 - At the start, disking should always accompany the terraces or the contour cords, starting operation in the sense that the terrace is on the left of the tractor.

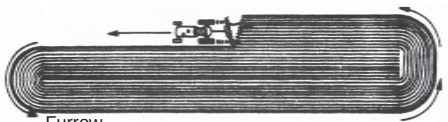
3 - Do not turn to the right, watch the figures 18. The meshed land should be always to the left of the tractor driver.

4 - In the adjacent **FIGURE 18**, we will show some operation systems.

Outside-in disking

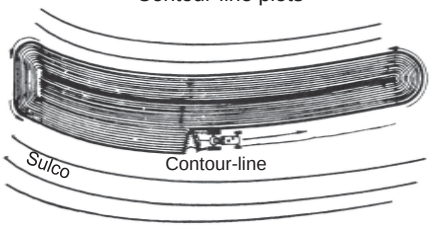


Inside-out disking



In this direction, we obtain greater perfection. When running a lot on a header, it is appropriate to start another block.

Contour-line plots



In contour-line land, it is usual to start two plots at a time, taking care to start working with the contour-line of the left side of the tractor driver. When arriving in the middle of the contour-line, we should get another plot to decrease the fuel spent.

08 - MAINTENANCE

- SNVAM/P was developed to provide you with the maximum performance on land conditions. Experience has shown that the periodic service of parts of the implement is the best way to help you avoid problems, so we suggested checking.

Disks

Keep discs sharp.

DISC GRIP

Before each job, check all bearings, discs, sections, bolts and flanges, tighten them where necessary.

Note: Constantly check the nuts and bolts, tighten them if necessary. General tightening maintenance of the equipment should be done every 8 working hours.

09 - LUBRICATION

- Lubrication is essential for a good performance and great durability of the moving parts of the implements.
- Before starting work, carefully lubricate all grease fittings, always observing intervals of lubrication, making sure the quality of the lubricant, as its efficiency and purity, avoiding using products contaminated by water, land etc.

Bearings

SNVAM/P is equipped with 2 types of precision bearings, the consumer can choose between lubricated bearings by grease or oil.

LUBRICATION OF ROLLER BEARINGS BY GREASE

1 - Clean the grease fitting with a clean and lint-free cloth, replace those damaged, if any.
2 - The amount of grease in each bearing is 200 grams.
3 - The roller bearing by grease should be greased every 8 working hours, using the grease specified in the table 02 on the page below.

Note: The bearing should be greased in two or three strokes each.

LUBRICATION OF ROLLER BEARINGS BY OIL

The oil level should be checked by removing the drum every 8 working hours. The oil should be changed every 800 working hours by using recommended oil.

Use the SAE 90 recommended oil.

Note: Proper and periodic maintenance are necessary to ensure the long life of the equipment.

TABLE OF GREASE AND EQUIVALENT

MANUFACTURER	RECOMMENDED GREASE TYPES
PETROBRÁS	LUBRAX GMA 2
ATLANTIC	LITHOLINE MP 2
IPIRANGA	SUPER GRAXA IPIRANGA IPÍRANGA SUPER GRAXA 2 IPIFLEX 2
CASTROL	LM 2
MOBIL	MOBILGREASE MP 77
TEXACO	MARFAK 2 AGROTEX 2
SHELL	RETINAX A ALVANIA EP 2
ESSO	MULTIPURPOSE GREASE H LITHOLINE MP 2
BARDAHL	MAXLUB APG 2 EP

TABLE 02

Note: If any manufacturer or brand equivalent not listed in the table, consult manufacturer's technical manual.

BEARING SETTING (**FIGURE 19**)

1 - When the bearings present clearances, adjust them as follows:
- Remove the washer item 1, FIGURE 19.
- Loosen the screws item 2 and remove the cover item 3.
- Remove 1 or 2 joints item 4, from the bearing cover. Place the cover again and retighten it.

NOTE: Do not mount the bearing without gasket.

2 - If the clearance persists, it can be facemills the cover item 3 to increase the adjustments, then mount it on the bearing as necessary.

3 - The bearing should turn freely, i.e., without axial or radial clearances.

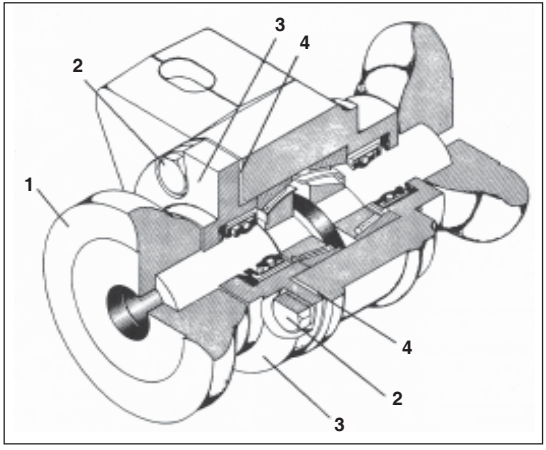


FIGURE 19

10 - LUBRICATION POINTS

TABLE 03

ITEM	DESCRIÇÃO DA PEÇA	Nº OF GREASES							Change oil	Lubric. grease Retigh	Retingir	Replace	Check	SERVICE INTERVAL
		SNVAM 56 DISKS	SNVAM/P 60 DISKS	SNVAM/P 64 DISKS	SNVAM/P 68 DISKS	SNVAM/P 72 DISKS	SNVAM/P 76 DISKS	SNVAM/P 84 DISKS						
1	Bearings	20	20	24	24	24	24	24		X				12 hours
2	Frame articulation	8	8	8	8	8	8	8		X				
3	Regulador bush	4	4	4	4	4	4	4		X				60 hours
4	Articulation priston rod	2	2	2	2	2	2	2		X				
5	Coupling Jumelo	1	1	1	1	1	1	1		X				
6	Lift priston rod	2	2	2	2	2	2	2		X				
7	Articulation priston coupling	2	2	2	2	2	2	2		X				
8	Lift priston coupling	2	2	2	2	2	2	2		X				
9	Wheels articulation axis	2	2	2	2	2	2	2		X				
10	Wheels hub	4	4	4	4	4	4	4		X				
11	Hydraulic system												X	
12	Bearings oil												X	120 hours
13	hub, screens and pins										X			

ITEM	PART DESCRIPTION	Nº OF GREASES							Change oil	Lubricatoin by grease	Retighten	Replace	Check	Service Interval
		SNVAM 56 DISKS	SNVAM/P 60 DISKS	SNVAM/P 64 DISKS	SNVAM/P 68 DISKS	SNVAM/P 72 DISKS	SNVAM/P 76 DISKS	SNVAM/P 84 DISKS						
14	Bearings								X					1200 hours
15	Retainers											X		1500 hours
16	Bearings											X		
17	Disks											X		When Necessary
18	Tires											X		

TABLE 03

11 - APPROXIMATED HOURLY PRODUCTION OF SUPER ARTICULATED REMOTE CONTROL GROUND TOOL

1+ To calculate the approximated hourly production of ground tool, you must use the following formula:

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

Data of formula:
A = Area to be worked
L = Width of the grid work (in meters)
V = Average speed of the tractor (in meters)
F = Factor of production
X = Hectare value of 10,000 m^2

2 - Example: A grid with 84 disks, how many Ha it will produce in an hour of work with an average speed of 7 km/h?

A = ?
L = 7.26 m
V = 7,000 m/h
F = 0.90
X = 10,000 m2 (if calculated in hectares)

$$A = \frac{7.26 \times 7{,}000 \times 0.90}{10.000} = \textbf{4,57Ha (hectare)}$$

3 - APPROXIMATED HOURLY PRODUCTION TABLE OF SUPER ARTICULATED REMOTE CONTROL GROUND TOOL

TABLE 04

Model	Spacing (mm)	Cutting width (mm)	Average speed (m/h)	Production factor	Approximate production in:
					Hectares
SNVAM/P 56	200	5,50	7.000	0,90	3,46
SNVAM/P 60	175	5,15	7.000	0,90	3,24
SNVAM/P 60	200	5,90	7.000	0,90	3,71
SNVAM/P 64	175	5,50	7.000	0,90	3,46
SNVAM/P 64	200	6,30	7.000	0,90	3,96
SNVAM/P 68	200	6,70	7.000	0,90	4,22
SNVAM/P 72	175	6,20	7.000	0,90	3,90
SNVAM/P 72	200	7,10	7.000	0,90	4,47
SNVAM/P 76	175	6,55	7.000	0,90	4,12
SNVAM/P 80	175	7,26	7.000	0,90	4,57

4 - The formula to calculate the estimated production refers to the calculation of the area to be worked by the disking.
5 - If you want to know how long it will take to work an area of known value, simply divide the value of this area for hourly production of the grid.

Example: How long (X) will be spent on a grid SNVAM/P 84 discs produce 35 hectares, at an average speed of 7km/h?

$$X = \frac{35Ha}{4,57Ha/h} = 7,65 \text{ approx. hours}$$

6 - The hourly output can vary by factors that alter the pace of work, such as:
Humidity and soil hardness, land steepness and inadequate adjustments. These factors differ from table No. 3, which we get with work in field in soils under normal conditions.

12 - CARE

1 - **SNVAM** super articulated remote control ground tool is used in various applications requiring knowledge and attention during handling.
2 - Only local conditions may determine the best mode of operation of super articulated remote control ground tool.
3 - When assembling or disassembling any portion of the **SNVAM**, use proper tools and methods.
4 - Always check the parts for wear. If you need replacement, require Baldan original parts.

SNVAM GENERAL CLEANING

- We recommend that you clean super articulated remote control ground tool before storing it, to preserve and extend the life of your equipment.
- To clean the super articulated remote control ground tool, proceed as follows:

1 - First take a general cleaning, washing it thoroughly.
2 - Then, check the ink for wear, if any, take a full coat of ink at all points.
3 - Lubricate totally super articulated remote control ground tool and check the moving parts for wear or looseness, make the necessary adjustment or replacement of parts, leaving the machine ready for the next work.
4 - After all service care, store your super articulated remote control ground tool in a safe and appropriate place.

WARNING ***Do not use chemical cleaners to wash SNVAM, this may damage the paint of it.***

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

PUBLICATIONS

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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 SNVA see the post sale.
Phone: 0800-152577
e-mail: 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:*** _____

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 responsability.

03 - At the garantee 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 abiliy 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 wich 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 wich 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 became invalid when notice that the damage or defect is the result of incorrect use of the product, of instructions non-observance or operator's inexperiences.

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:* _____

1ª Page - Owner

Signature / Store's stamp _____

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:* _____

2ª Page - Store

Signature / Store's stamp _____

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:* _____

3ª Page - Manufacturer

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

Signature / Store's stamp _____

BALDAN

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