

Instruction Manual



GTG-RO 2000 BR
Agricultural Mounted Hoist

> BALDAN

INTRODUCTION

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

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

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

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

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



Instruction Manual



GTG-RO 2000 BR Agricultural Mounted Hoist

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

WARRANTY	6
<i>Product Warranty.....</i>	<i>6</i>
GENERAL INFORMATION	8
<i>Owner.....</i>	<i>8</i>
SAFETY NORMS.....	9 - 13
WARNINGS.....	14 - 15
COMPONENTS.....	16
DIMENSIONS.....	17
<i>GTG-RO 2000 BR (FIGURES 02).....</i>	<i>17</i>
TECHNICAL SPECIFICATIONS.....	18
ASSEMBLY.....	18
<i>Tower Assembly (Figures 03/04).....</i>	<i>19</i>
<i>Winch Arm Assembly (Figures 05).....</i>	<i>20</i>
<i>Wheel Bracket Assembly (Figure 06).....</i>	<i>21</i>
<i>Tires Installation (Figure 07).....</i>	<i>21</i>
<i>Support Brackets Assembly (Figures 08).....</i>	<i>22</i>
<i>Safety Valve and Hydraulic Hoses Installation (Figure 09).....</i>	<i>23</i>
COUPLING.....	24
<i>Coupling to the Tractor (Figure 10).....</i>	<i>24</i>

<i>Extension bar for the Third Point (Figures 11)</i>	25
<i>Preparation for Work (Figures 12)</i>	26
<i>Preparation for Transport (Figures 13)</i>	27
ADJUSTMENTS	28
<i>Wheel Opening Adjustment (Figures 14)</i>	28
<i>Arm Height Adjustment (Figures 15)</i>	29
<i>Angle of Rotation (Figures 16)</i>	30
<i>Load Capacity (Figures 17)</i>	31
OPERATIONS	32
<i>Rear Coupling (Figure 18)</i>	32
<i>Operations</i>	33
MAINTENANCE	34
<i>Tires Pressure (Figure 19)</i>	34
<i>Lubrication (Table 01)</i>	35
<i>Table of Greases and equivalents</i>	35
<i>Lubricate Every 10 Working Hours (Figures 20)</i>	36
<i>Lubricate Every 10 Working Hours - Continued (Figures 20)</i>	37
<i>Lubricate Every 10 Working Hours – Continued</i>	38
<i>Lubricate Every 60 Working Hours</i>	38
<i>General Cleaning</i>	39
<i>Precautions</i>	40

General Maintenance 41

Operational Maintenance (Table 02)..... 42

OPTIONAL..... 43

Hook (Figure 22)..... 43

"X" Support - Mechanical Disarming (Figure 23) 43

IDENTIFICATION..... 44

Product identification (Figure 24)..... 44 - 45

NOTES..... 46

WARRANTY

PRODUCT WARRANTY

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

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

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

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

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

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

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

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

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

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

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

GENERAL INFORMATION

OWNER

BALDAN IMPLEMENTOS AGRÍCOLAS S/A, will not be responsible for any damage caused by an accident due to the use, transport or improper or incorrect storage of your implement, whether in case of negligence and/or inexperience of any person.

Only persons who have the full knowledge of the tractor and the implement must perform their transportation and operation.

BALDAN will not be responsible for any damage caused due to unpredictable situations or beyond the normal use of the implement.

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



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

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

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

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

SAFETY NORMS



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



ATTENTION

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



ATTENTION

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



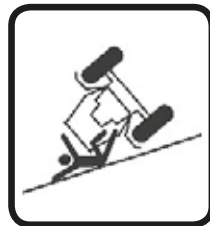
ATTENTION

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



ATTENTION

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



SAFETY NORMS



ATTENTION

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



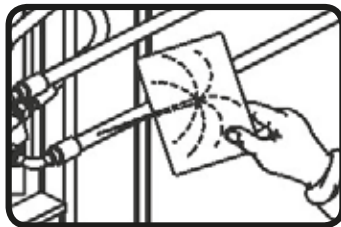
ATTENTION

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



ATTENTION

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



ATTENTION

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

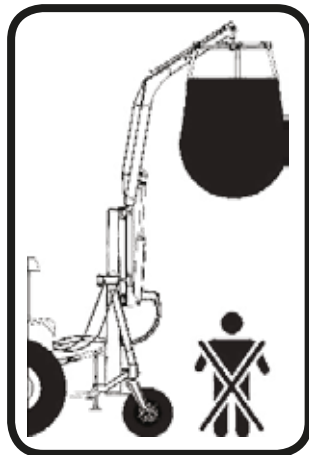


SAFETY NORMS



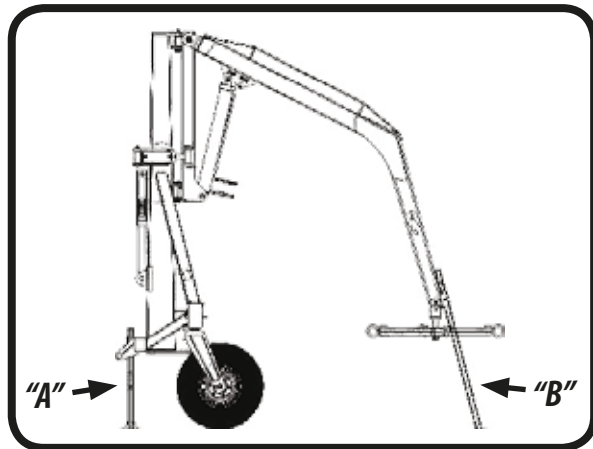
ATTENTION

- When operating the winch, do not allow people to stay close to it or below the lifting point.
- Do not exceed 2000 kg at the lift point.



ATTENTION

- Before engaging or disengaging the winch, lower the "A" front and "B" rear feet in order to keep the winch properly supported.
- Ignoring this warning may result in serious accidents.



SAFETY NORMS



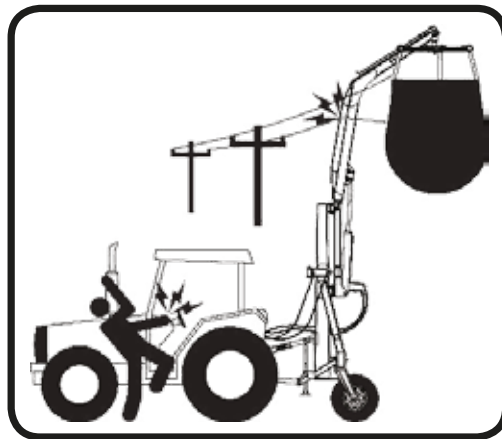
ATTENTION

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



ATTENTION

- When operating the winch, keep away from electric transmission lines, low branches of trees and other overhead obstructions, avoiding serious injury or even death.

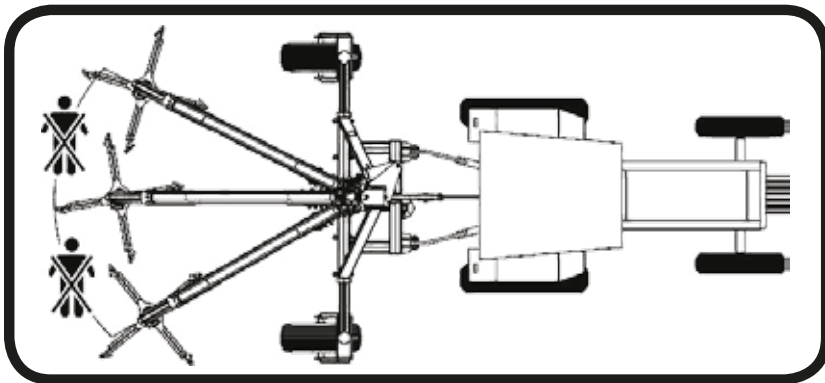


SAFETY NORMS












ATTENTION








- *When operating the rear winch, do not allow people to stay very close to or on it.*
- *Make sure that no person is within the reach area of the arm of the rear winch.*



WARNINGS

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

WARNINGS

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

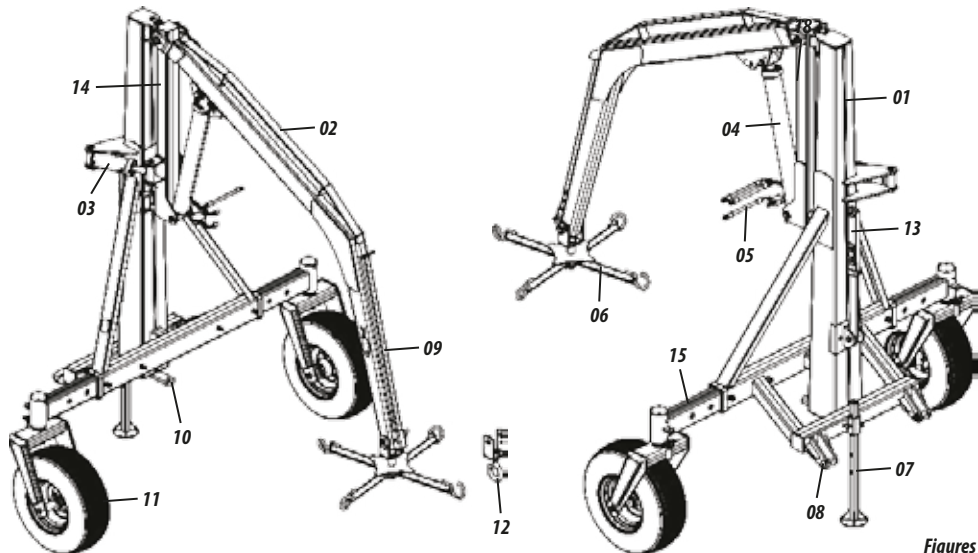
If case of doubt, ask the After-sales.

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

COMPONENTS

GTG-RO 2000 BR REAR WINCH

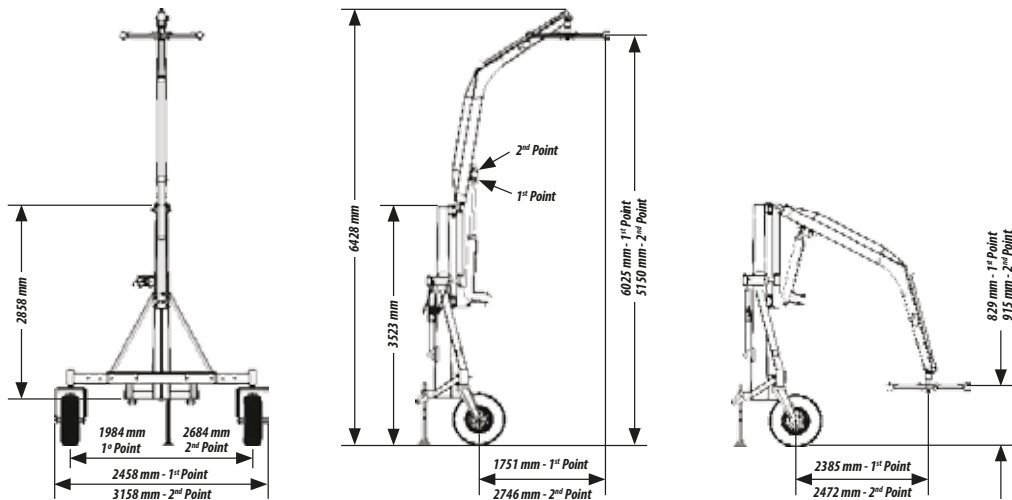
- 01- Frame
- 02- Winch Arm
- 03- Rotation Hydraulic Cylinder
- 04- Lifting Hydraulic Cylinder
- 05- Hydraulic Hoses
- 06- Big Bag Coupling
- 07- Rear Winch Supporting Foot
- 08- Cat II Coupling Pin
- 09- Arm Supporting Foot
- 10- Rear Coupling
- 11- Tires
- 12- Hook (Optional)
- 13- Adjustment Bar 3rd Point
- 14- Swivel support
- 15- Wheel Support



Figures 01

DIMENSIONS

GTG-RO 2000 BR (FIGURES 02)



Figures 02

TECHNICAL SPECIFICATIONS

Model	Tires	Angle of Rotation	Tower Height (mm)	Total Width (mm)	Total Height (mm)	Range (mm)	Approx. weight. (Kg)	Lifting Height (mm)		Load Capacity (Kg)		Type of coupling	Approx. Power of the Tractor (Hp)
GTG-RO 2000 BR	11L-15	26° Right/Left	2858	2458 / 3158	6428	1984 / 2684 Min. / Max.	915	6025 1 st Point	5150 2 nd Point	1200 1 st Point	2000 2 nd Point	Cat. II	70

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

Table 01

ASSEMBLY

- To facilitate the loading and the transport, the **GTG-RO 2000 BR** rear winch is delivered only with the tower (1) already assembled, requiring subsequent assembly of the other components. Check below how to perform these assemblies:



ATTENTION

Before starting the GTG-BR RO 2000 assembly, look for a perfect place where the identification of the components and the assembly of the rear winch will be easy.



BALDAN

Instruction Manual

GTG-RO 2000 BR - 18

ASSEMBLY

TOWER ASSEMBLY (FIGURES 03/04)

- To assemble the tower (1), proceed as follows:

01- Attach the swivel support (2) on the tower (1) by fixing the upper part using the pin (3) flat washer (4) and cotter pin (5) and the lower part, using the pin (6), flat washer (7) and cotter pin (8).

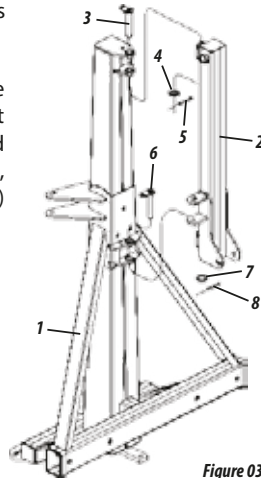


Figure 03

02- Then, install the hydraulic cylinder (9) on the tower (1), fixing it with the pins (10), flat washers (11) and cotter pins (12).

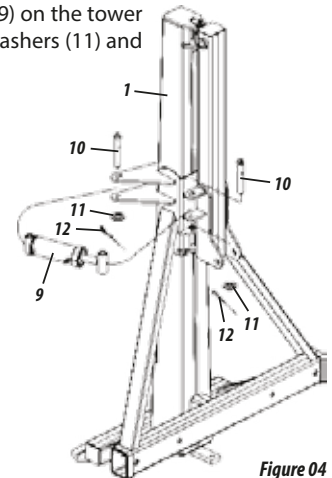


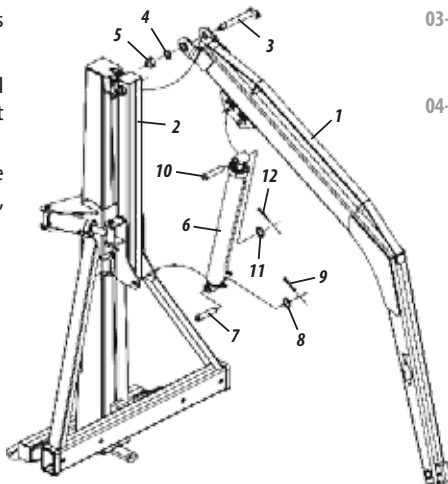
Figure 04

ASSEMBLY

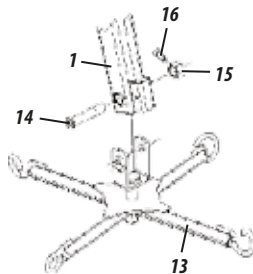
WINCH ARM ASSEMBLY (FIGURES 05)

- To assemble the winch arm (1), proceed as follows:

- 01- Engage the winch arm (1) into the swivel support (2), fixing it with the pin (3), flat washer (4) and nut (5).
- 02- Then, install the hydraulic cylinder (6) on the swivel support (2), fixing it with the pin (7), flat washer (8) and cotter pin (9).



- 03- Then, install the hydraulic cylinder (6) on the winch arm (1), fixing it with the pin (10), flat washer (11) and cotter pin (12).
- 04- Finally, attach the big bag coupling (13) on the winch arm (1) with the pin (14), nut (15) blocking it with the screw (16).

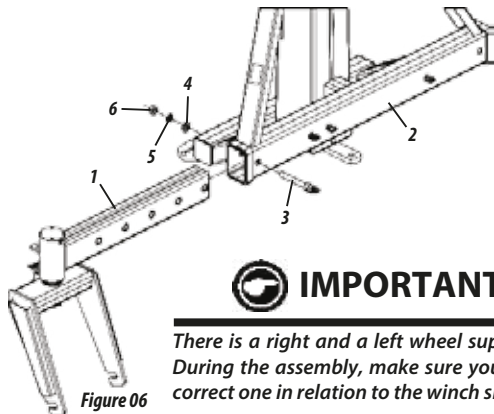


Figures 05

ASSEMBLY

WHEEL SUPPORT ASSEMBLY (FIGURE 06)

- To assemble the wheel support (1), proceed as follows:
- 01- Attach the wheel support (1) to the tower (2) and fix it with the screw (3), flat washer (4), spring washer (5) and nut (6).

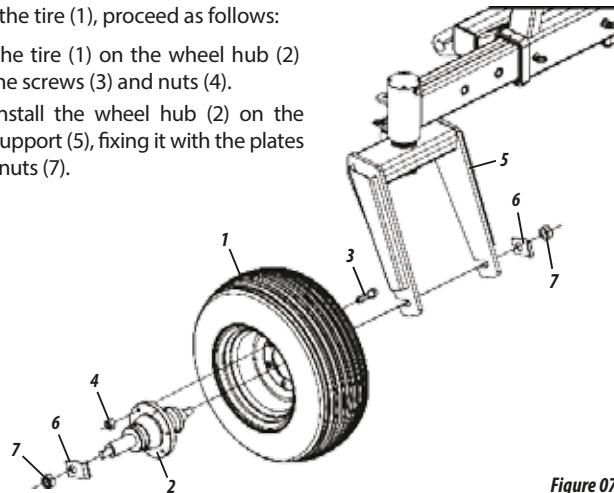


IMPORTANT

There is a right and a left wheel support (1). During the assembly, make sure you use the correct one in relation to the winch side.

TIRE INSTALLATION (FIGURE 07)

- To install the tire (1), proceed as follows:
- 01- Install the tire (1) on the wheel hub (2) using the screws (3) and nuts (4).
- 02- Then, install the wheel hub (2) on the wheel support (5), fixing it with the plates (6) and nuts (7).

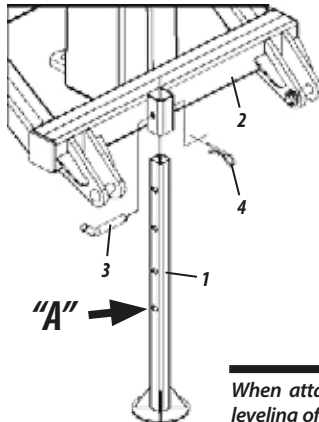


ASSEMBLY

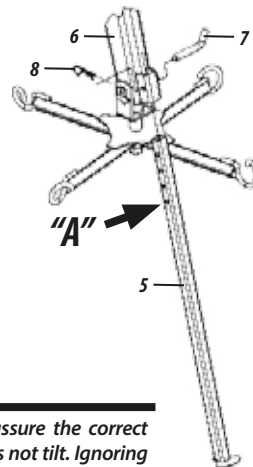
SUPPORTING BRACKETS ASSEMBLY (FIGURES 08)

- To assemble the front and rear supporting brackets, proceed as follows:

- 01- Attach the front support bracket (1) on the tower (2), fixing it with the pin (3) and lock (4).



- 02- Then, attach the support bracket (5) on the winch arm (6), fixing it with the pin (7) and lock (8).



ATTENTION

When attaching the front and rear support brackets, assure the correct leveling of the winch through the holes (A), so that it does not tilt. Ignoring this warning may result in serious accidents.

Figures 08

ASSEMBLY

SAFETY VALVE AND HYDRAULIC HOSES ASSEMBLY (FIGURE 09)

- To assemble the safety valve (1), proceed as follows:

- 01- Engage the safety valve (1) on the nipple at the bottom of the lifting hydraulic cylinder (2).
- 02- Then, engage the type "T" nipple (3), on the nipple of the lifting hydraulic cylinder rod (2).
- 03- Then, engage the hose (4), at the outlet of the safety valve (1) and at the outlet of the type "T" nipple (3) and sufficiently tight it.
- 04- Then, engage the hoses (5) on the safety valve (1) and on the type "T" nipple (3).
- 05- Finally, engage the hoses (6) on the nipple at the bottom of the rotation hydraulic cylinder (7) and on the rod nipple.



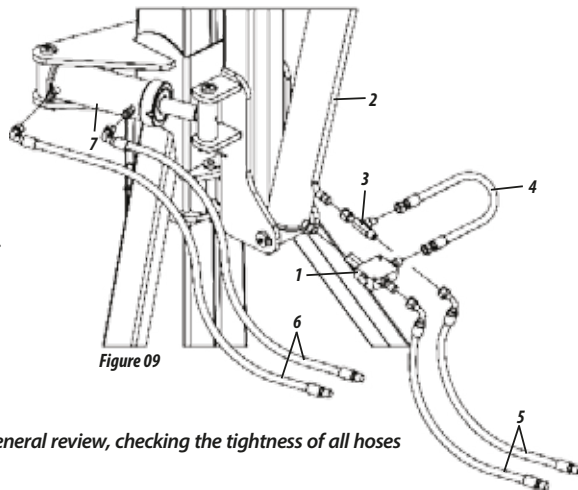
ATTENTION

When attaching the hydraulic hoses, avoid the hoses terminals to touch the ground which could contaminate them.



IMPORTANT

To complete the hydraulic hoses assembly, perform a general review, checking the tightness of all hoses terminals and if they are properly installed.



COUPLING

COUPLING TO THE TRACTOR (FIGURE 10)

- Before coupling the GTG-RO 2000 BR to the tractor, make sure the tractor is ready to work, paying attention to the following:

- 01 - Make sure the tractor is equipped with a set of weights or ballasts in the front or on the front or rear wheels, this will give a greater stability to the tractor and will improve the traction on the soil.
- 02 - Adjust the eye of the tractor lower arms.

The rear winch (1) is equipped with a supporting foot (2), which ensures greater ease and safety when engaging and disengaging it to the tractor. Subject to the prior instructions, proceed as follows:

- 01 - Slowly approach the tractor to the winch in reverse, paying attention to the brakes application. Use the hydraulic position control handle when approaching the rear winch, leaving the lower left arm (3) at the level of the winch coupling.
- 02 - Put the pin (4), at the winch rear coupling and lock it with the lock (5).

- 03 - Engage the extension bar of the third point (6) on the header using the pin (7) and lock it with the lock (8).
- 04 - Finally, engage the lower right arm (9) that has up and down movements through the leveling crank (10).

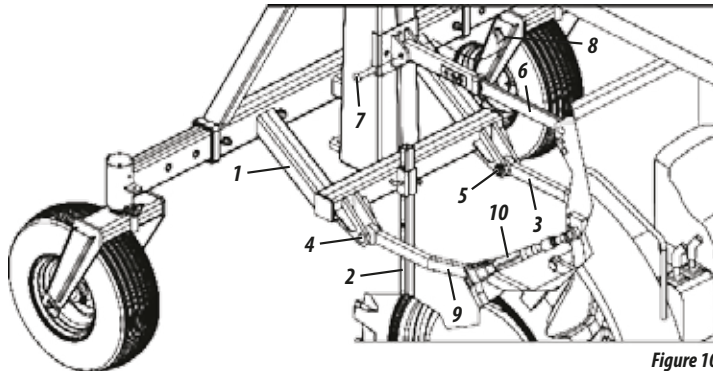


Figure 10



ATTENTION

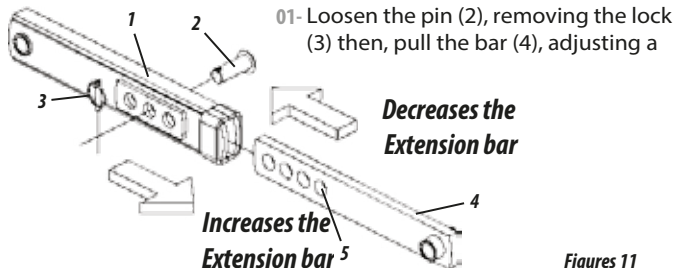
Before engaging or disengaging the rear winch, lower the supporting foot in order to maintain it properly supported. The lack of attention during this operation may result in serious accidents.

COUPLING

EXTENSION BAR OF THE THIRD POINT (FIGURES 11)

- The GTG-BR RO 2000 is delivered with an extension bar of the third point (1). This extension bar is to replace the third point of the tractor. This change is necessary because this extension bar has a greater resistance compared to the extension bar of the tractor, preventing further damages.

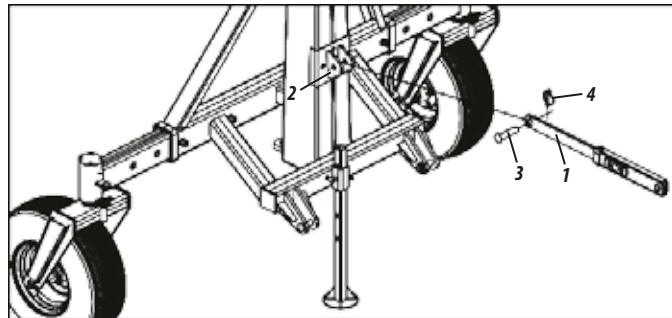
- The extension bar of the third point (1), have opening and closing adjustments, providing greater ease and speed when engaging the winch to the tractor. To adjust them, proceed as follows:



Figures 11

larger opening or closing of the extension bar using the holes (5). To replace the extension bar of the third point (1), proceed as follows:

- 01- First, remove the extension bar from the third point of the tractor.
- 02- Then, attach the extension bar of the third point (1), on the coupling (2), using the pin (3) and the lock (4).
- 03- Then, repeat the same procedure to attach the extension bar to the tractor.

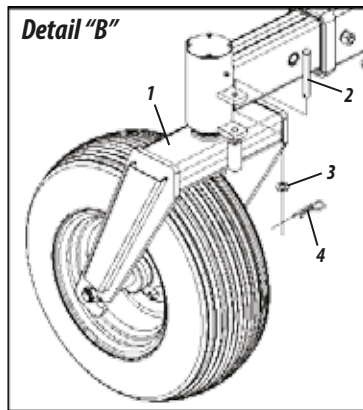
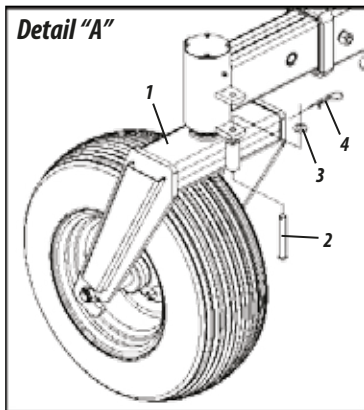


WORK/TRANSPORT

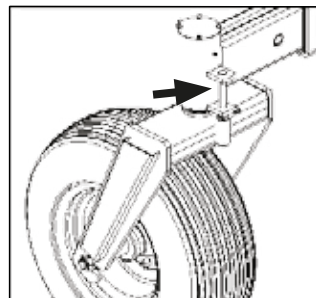
PREPARATION FOR WORK (FIGURES 12)

- Before starting the work with the rear winch, proceed as follows:

- 01 - Unlock the oscillating forks (1), removing the pin (2), flat washer (3) and lock (4), as shown in **detail "A"**.
- 02 - Then, attach the pin (2), flat washer (3) and lock (4) on the coupling above, as shown in **detail "B"**.



**FOR WORK
"UNLOCKED WHEELS"**



Figures 12



ATTENTION

Do not work with the forks locked, because if there is any obstacle or some irregularity in the soil in the course of one of them, they will freely rotate to transpose it.



BALDAN

Instruction Manual

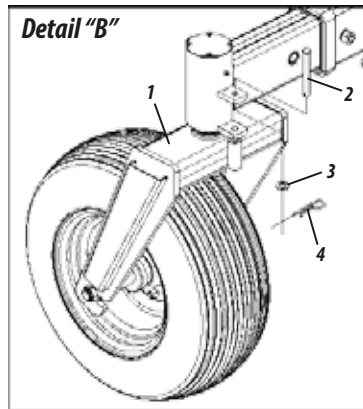
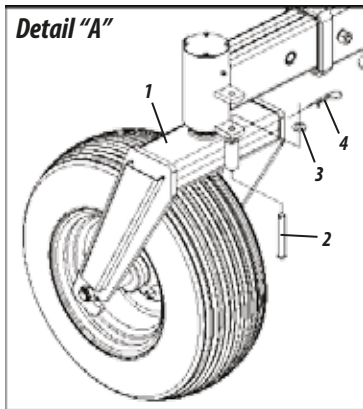
GTG-RO 2000 BR - 26

WORK/TRANSPORT

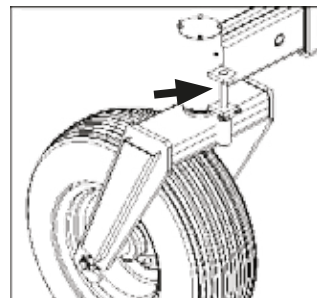
PREPARATION FOR WORK (FIGURES 13)

- Before performing the rear winch transport, proceed as follows:

- 01 - Remove the pin (1), flat washer (2) and lock (3), from the couplings above the oscillating forks (4), as shown in **detail "A"**.
- 02 - Then, lock the oscillating forks (4) fixing the pin (1), flat washer (2) and lock (3), as shown in **detail "B"**.



**FOR WORK
"WHEEL UNLOCKED"**



Figures 12



ATTENTION

Before performing the rear winch transport, lock the oscillating fork because any non-compliance with this warning will result in damage to the winch.

ADJUSTMENTS

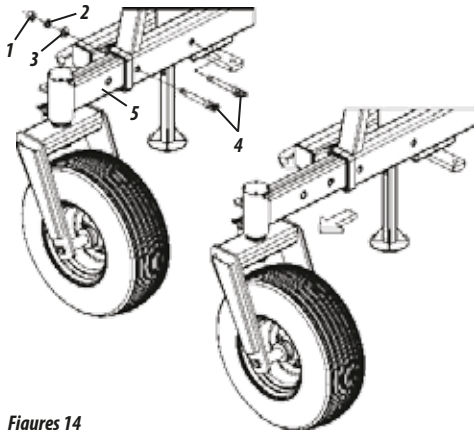
WHEELS OPENING ADJUSTMENT (FIGURES 14)

- The rear winch has a wheels opening system which provides greater stability to the winch and to the tractor during the working operations. To adjust the wheels opening, proceed as follows:
- Loosen the nuts (1), spring washers (2) and flat washers (3) and remove the pins (4).
- Then, adjust the wheel support opening (5).
- Finally, lock the wheel support (5) with the pins (4), flat washers (3), spring washers (2) and nuts (1).

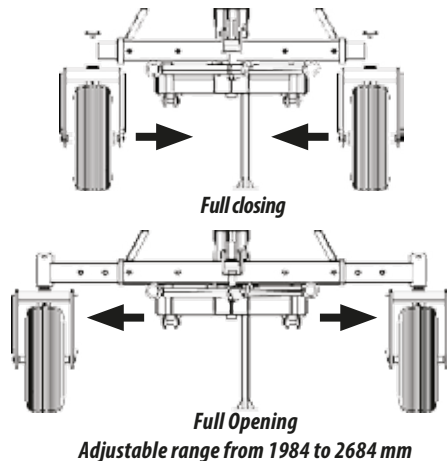


ATTENTION

By regulating the wheels opening, fix the wheel support (5) with 2 screws in each support. Ignoring this warning may result in serious injury and equipment damages.



Figures 14



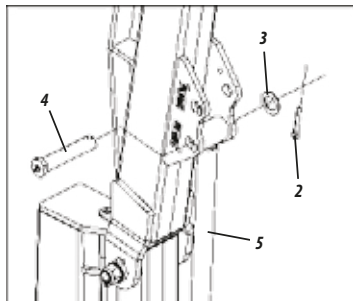
ADJUSTMENTS

ARM HEIGHT ADJUSTMENT (FIGURES 15)

- The rear winch system has an arm height adjustable system (1), which provides higher or lower arm lifting. To adjust the lifting arm height (1), proceed as follows

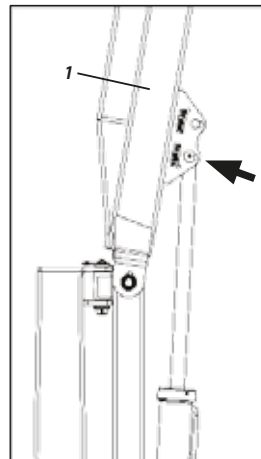
01 - Loosen the cotter pin (2), remove the flat washer (3) and the pin (4).

02 - Then, adjust the hydraulic cylinder rod (5) to the other setting.

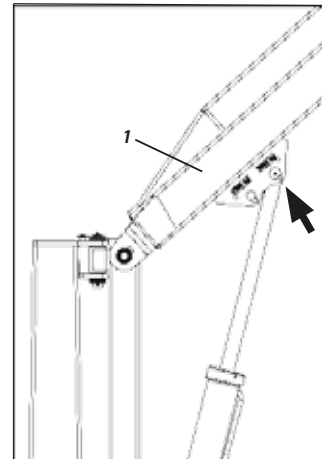


03 - Then, replace the pin (4), flat washer (3) and cotter pin (2).

Figures 15



Higher Lift

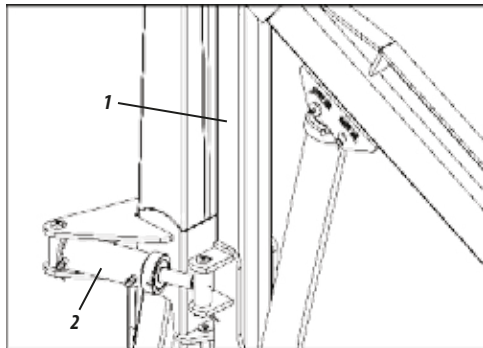
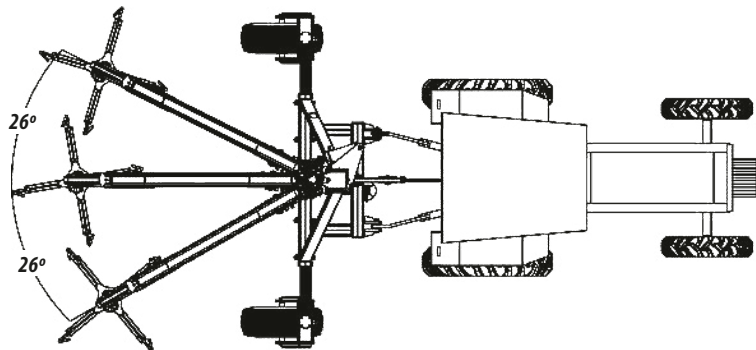


Lower Lift

ADJUSTMENTS

ROTATION ANGLE (FIGURES 16)

- The winch has a rear swivel support (1) powered by hydraulic cylinder (2). This system provides various rotation angles reaching the total angle of 52° , with 26° to the right and 26° to the left starting from the center.



Figures 16



ATTENTION

By rotating the rear winch arm, lift the bag up to the minimum position, just enough to lift it from the ground. Do not rotate the arm of the rear winch with the bag high lifted. Ignoring this warning may result in serious injury and equipment damages.



BALDAN

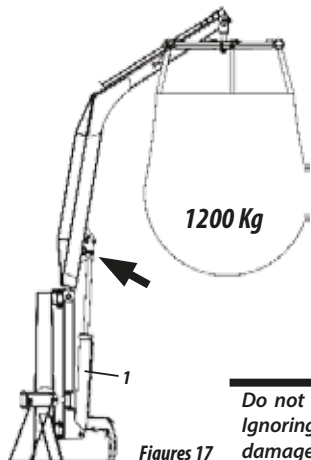
Instruction Manual

GTG-RO 2000 BR - 30

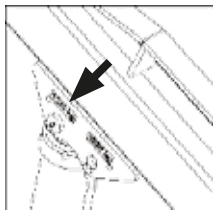
ADJUSTMENTS

LOAD CAPACITY (FIGURES 17)

- The rear winch has a load capacity that varies according to the lifting point.



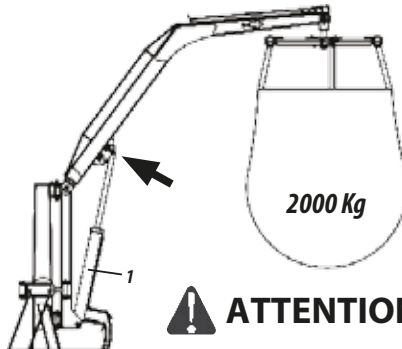
- When the hydraulic cylinder (1) is closed, the load capacity of this lifting point is 1200 kg.



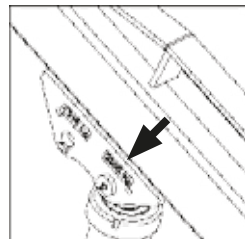
ATTENTION

Do not exceed 1200 kg at this lifting point. Ignoring this warning may result in tilting and damages to the equipment.

Figures 17



- When the hydraulic cylinder (1) is open, the load capacity of this lifting point is 2000 kg.



ATTENTION

Do not exceed 2000 kg at this lifting point. Ignoring this warning may result in tilting, damages to the equipment and serious accidents.

Figures 17

OPERATIONS

REAR COUPLING (FIGURE 18)

- The RO-GTG 2000 BR, has rear hitch (1), which permits to transport trailers without the need to uncouple the implement.

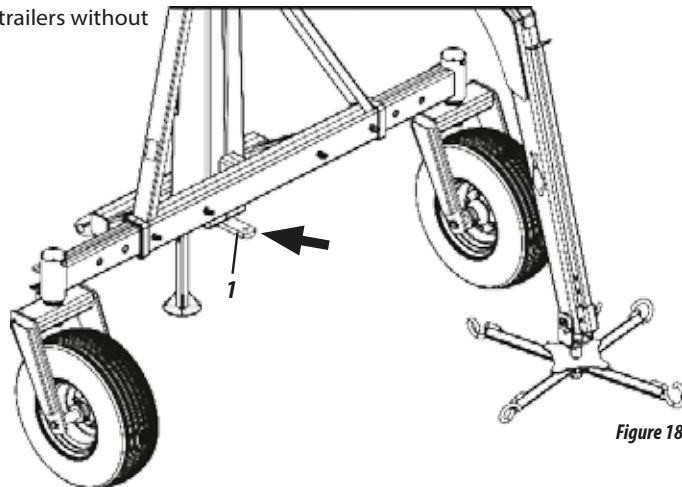


Figure 18

OPERATIONS

- The tractor preparation will help you to save time in addition to a better result of the work on the field. The following suggestions may be helpful to you.

- 01 - Adjust the tractor according to the instructions manual contents, always using the front and rear weights to stabilize the equipment.
- 02 - Before working with the rear winch, perform a complete review checking the following points:
 - Lubrication of the components.
 - Tightening of the nuts and screws.
 - Locking of the pins and cotter pins.
 - Conditions of the hoses.
 - Tires Calibration
- 03 - When transporting or operating the rear winch, always maintain it leveled.
- 04 - Do not exceed the limits of the load capacity of the lifting points.
- 05 - The travel speed of the rear winch must be carefully controlled according to the land.
- 06 - The winch has several adjustments but only the local conditions will determine the best adjustment.
- 07 - Make sure the winch operator is trained and qualified to work.
- 08 - In case of doubt, do not operate or handle the winch, ask the After-Sales.
Telephone: 0800-152577 or e-mail: posvenda@baldan.com.br

MAINTENANCE

- The GTG-RO 2000 BR was developed to give you the maximum performance whatever are the soils conditions. The experience shows that the periodic maintenance of some parts of the winch is the best way to avoid problems, so we suggest checking.

TIRES PRESSURE (FIGURE 19)

The tires must always be properly calibrated avoiding premature wear due to excess or lack of pressure.

Before calibrating the tires, check below the correct calibration.



ATTENTION

The recommended calibration of 52 lb/pol² is for tires 11L-15 supplied with the GTG-RO 2000 BR. When you calibrate the tires do not exceed the recommended calibration.

If you use another tire model on the winch, we recommend asking the tire manufacturer about the ideal calibration for the used model.



IMPORTANT

The tractor tire pressure calibration must be made according to the one recommended by the manufacturer



BALDAN

Instruction Manual

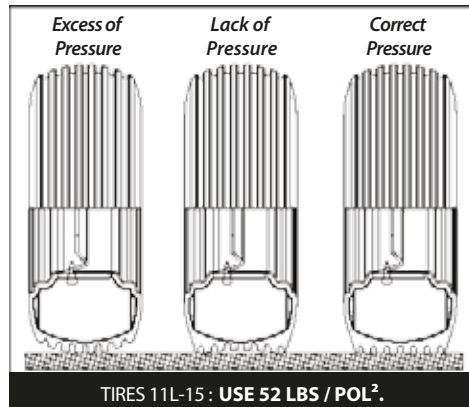


Figure 19

MAINTENANCE

LUBRICATION (TABLE 02)

Lubrication is essential for a good performance and a longer durability of the GTG-RO 2000 BR moving parts, contributing to the maintenance costs reduction.

Before starting the operation, carefully lubricate all the grease fittings always respecting the lubrication intervals of the following pages. Pay attention to the lubricant quality, relative to its efficiency and purity, avoiding using products contaminated by water, earth and other agents.

TABLE OF GREASES AND EQUIVALENTS

<i>Manufacturer</i>	<i>Types of recommended grease</i>
Petrobrás	Lubrax GMA 2
Atlantic	Litholine MP 2
Ipiranga	Super Graxa Ipiranga Ipíanga 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
Bardahl	Maxlub APG 2 EP

Table 01

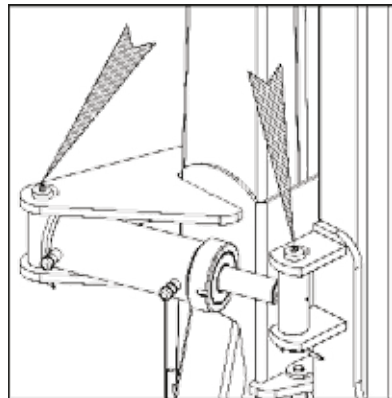
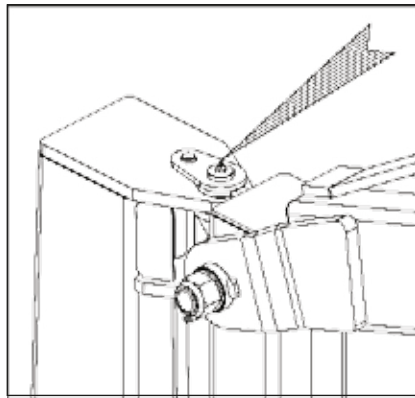
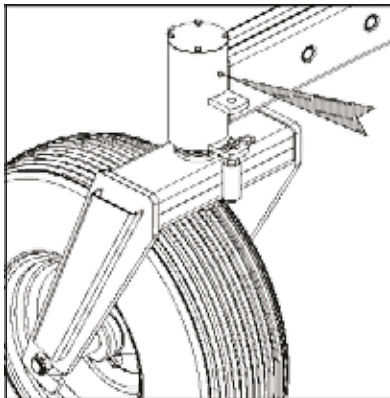


IMPORTANT

If there are equivalent manufacturers and brands which are not listed in the table, consult the manufacturer's technical manual.

MAINTENANCE

LUBRICATE EVERY 10 WORKING HOURS (FIGURES 20)

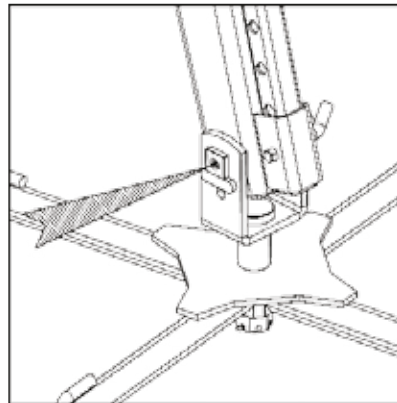
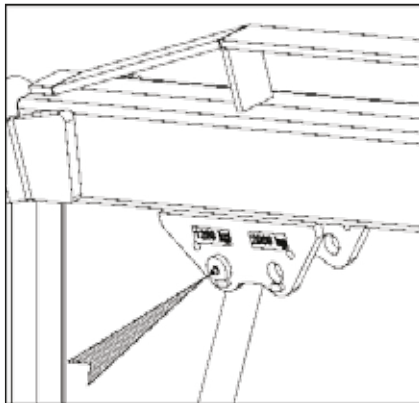
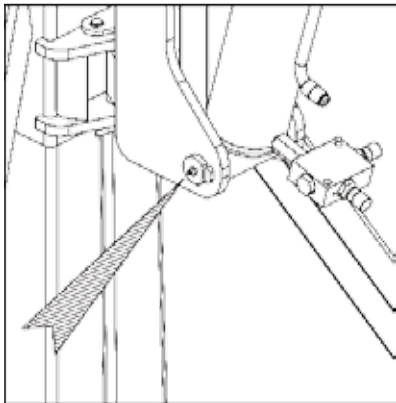


Figures 20

! ATTENTION | When lubricating the GTG-RO 2000 BR, does not exceed the new grease quantity. Use the sufficient quantity.
Strictly respect the lubrication intervals for each component.

MAINTENANCE

LUBRICATE EVERY 10 WORKING HOURS - CONTINUED (FIGURES 20)

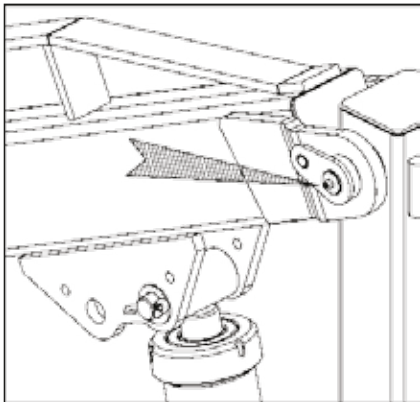


Figures 20

! ATTENTION | When lubricating the GTG-RO 2000 BR, does not exceed the new grease quantity. Use the sufficient quantity.
Strictly respect the lubrication intervals for each component.

MAINTENANCE

LUBRICATE EVERY 10 WORKING HOURS - (CONTINUED)



Figures 20

! ATTENTION | *When lubricating the GTG-RO 2000 BR, does not exceed the new grease quantity. Use the sufficient quantity. Strictly respect the lubrication intervals for each component.*

LUBRICATE EVERY 60 WORKING HOURS

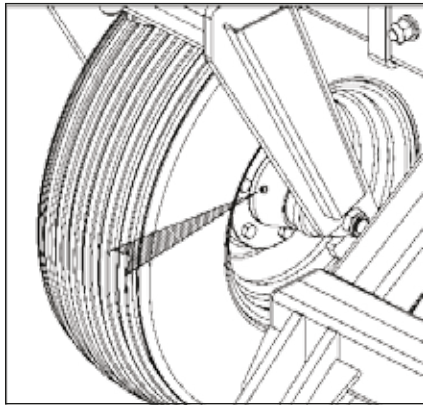


Figure 21

MAINTENANCE

GENERAL CLEANING

- 01 - If the GTG-RO 2000 BR has to be stored, perform a general cleaning and wash it only with water. Make sure the paint is not worn, if so, apply a general coat of paint, pass the protective oil and lubricate the whole GTG-RO 2000 BR.
- 02 - Lubricate the whole GTG-RO 2000 BR. Check all the GTG-RO 2000 BR moving parts if wear or looseness appears, make the necessary adjustment or replace the parts, keeping the winch ready for the next work.
- 03 - When connecting or disconnecting hydraulic hoses, do not let the ends touch the ground. Before connecting the hydraulic hoses, clean the connections with a clean and lint-free cloth **(do not use burlap)**.
- 04 - Replace all stickers mainly those of warning that are damaged or missing. Make everyone aware about their importance and the dangers of accidents when the instructions are not followed.
- 05 - After all maintenance cares, store your GTG-BR RO 2000 on a flat surface, covered and dry location, away from pets and children.
- 06 - We recommend washing the GTG-2000 BR RO only with water at the beginning of the work.



ATTENTION

Do not use chemicals to wash the rear winch, this will damage the paint and the stickers.

MAINTENANCE

PRECAUTIONS

- 01 - Before each work, check the condition of all pins, terminals, nipples and hydraulic hoses. When necessary, replace them.
- 02 - The travel speed must be carefully controlled according to the soil conditions.
- 03 - The GTG-RO 2000 BR is used in various applications requiring knowledge and attention during its handling. Only the local conditions will determine the best way to operate the GTG-RO 2000 BR.
- 04 - Daily retighten the nuts during the first week of use. After, periodically retighten.
- 05 - When assembling or disassembling any part of the GTG-RO 2000 BR, use appropriate methods and tools.
- 06 - When transporting or operating the GTG-2000 BR RO, always maintain it leveled.
- 07 - The GTG-RO 2000 BR has a total rotation angle of 52° (fifty-two degrees). Do not exceed the rotation angle in operation, do not allow the entry of persons into the rotation area of the winch.
- 08 - Always check any wear on the parts. If you need spare parts, **require Baldan genuine parts.**
- 09 - Keep the GTG-RO 2000 BR tires always calibrated.



IMPORTANT

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



BALDAN

Instruction Manual

GTG-RO 2000 BR - 40

MAINTENANCE

GENERAL MAINTENANCE

- 01 - Turn the tractor off, use the parking brake and wedge the tires. Firmly hold the GTG 2000 BR-RO before any maintenance.
- 02 - Do not service the hydraulic system when it is, or the hydraulic cylinders, under pressure, avoiding serious injury or even death.
- 03 - After all maintenance procedures, store the winch in a safe and appropriate place. Maintain the GTG-RO 2000 BR duly supported using the front and rear supporting feet.



IMPORTANT

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



MAINTENANCE

OPERATIONAL MAINTENANCE (TABLE 02)

PROBLEMS	POSSIBLE CAUSES	SOLUTIONS
The quick couplings do not fit.	Different types of couplings.	Change them for males and females of the same type.
Leak on hoses with fixed terminals.	Insufficient tightening.	Carefully retighten them.
	Lack of sealant on the threads.	Use thread sealing tape and carefully retighten.
Leak on the hydraulic cylinder.	Damaged repairs or rod.	Replace the repairs or the rod.
	Oil with impurities.	Change the oil, repairs and filtering elements.
	Working pressure higher than the recommended one.	Adjust the command using the relief valve with the help of a manometer. Normal pressure 180 kg/cm ² .
Leak on the quick couplings.	Insufficient tightening.	Carefully retighten them.
	Lack of sealant on the threads.	Use thread sealing tape and carefully retighten.
	Damaged repairs.	Replace the repairs.

Table 02

OPTIONAL

- The GTG-RO 2000 BR has optional items that may be purchased according to the work needs.

HOOK (FIGURE 22)

- Hook, used for various types of works.

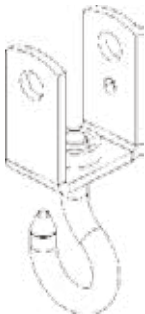


Figure 22

"X" SUPPORT - MECHANICAL DISARMING (FIGURE 23)

- "X" support with mechanical disarming system used for works with bags of agricultural inputs and seeds.

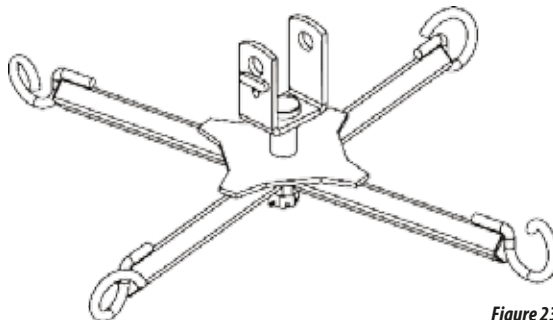


Figure 23

IDENTIFICATION

PRODUCT IDENTIFICATION (FIGURE 24)

- 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

QR Code

01 — Modelo / Model

02 — N° de Série / Serial Number

03 — Data / Date

Tipo / Type

Capacidade / Load Capacity

Peso / Weight

Figure 24

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.



PUBLICATIONS

Code: 6055010228-8
CPT: GTGRO08617



CONTACT

If you have questions, never operate the GTG-RO 2000 BR see the post sale.
Phone: 0800-152577
E-mail: posvenda@baldan.com.br

IDENTIFICATION

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: _____

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:* _____

Address: _____ *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