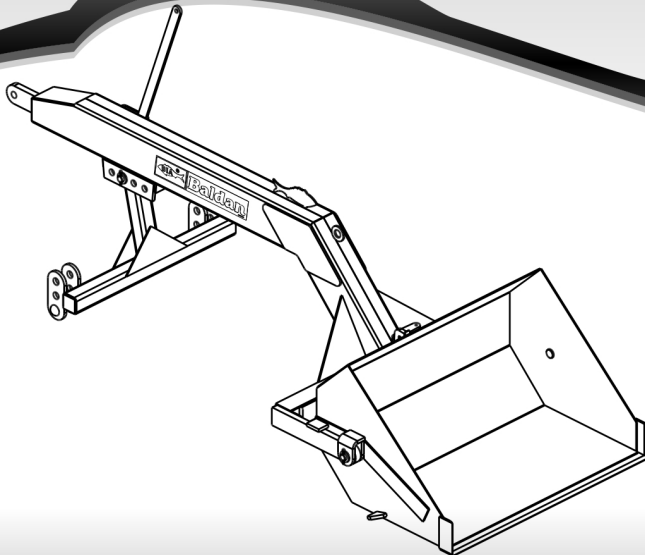


PAT

Agricultural Rear Loader Bucket



www.baldan.com.br

Instruction Manual

INTRODUCTION

Thank you for your preference and congratulations on the excellent choice you have just made, because you have purchased a product manufactured with the BALDAN IMPLEMENTOS AGRICOLAS technology.

This manual will guide you in the necessary procedures, from your purchase to operating use, safety and maintenance procedures.

BALDAN guarantees the delivery of this implement to the dealer, complete and in perfect conditions.

The dealer is responsible for the safekeeping and conservation during the period it remains in its power and also for mounting, retightening, lubrication and general revision.

During technical delivery, the dealer should instruct the customer regarding maintenance, safety, its obligations in future technical support, the strict observation of the warranty term and reading of the instruction manual. Any request for technical support in warranty must be made to the dealer from whom it was purchased.

We repeat the need to carefully read the certificate of warranty and the observation of all the items of this manual, as this will increase the life of your equipment.



THIS WARNING SYMBOL INDICATES IMPORTANT SAFETY WARNINGS IN THIS MANUAL. EVERY TIME YOU SEE THIS SYMBOL IN THIS MANUAL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND PAY ATTENTION TO THE POSSIBILITY OF PERSONAL ACCIDENTS.

Instruction Manual



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01 - SAFETY STANDARDS



THIS SYMBOL INDICATES IMPORTANT SAFETY WARNING. EVERY TIME YOU SEE IT IN THIS MANUAL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND PAY ATTENTION TO THE POSSIBILITY OF PERSONAL ACCIDENTS.



ATTENTION

- Carefully read the instructions manual to know the recommended safety practices.



ATTENTION

- Only start operating the tractor when properly accommodated and with the sit belt locked.



ATTENTION

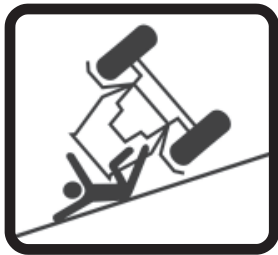
- Do not transport people on the tractor and neither inside nor over the equipment.





ATTENTION

- There are risks of serious injuries due to falling when working on sloped lands.
- Do not over speed.



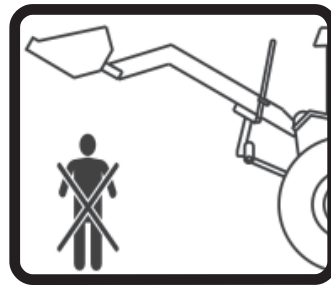
ATTENTION

- Do not work with the tractor if the front is light. Add weights to the front or front wheels in case it may be raised.



ATTENTION

- When operating the shovel, prevent people from staying too close to or over the equipment.









ALCOHOLIC DRINKS OR OTHER DRUGS CAN CAUSE LOSS OF REFLEXES AND ALTER THE PHYSICAL CONDITIONS OF THE OPERATOR. THEREFORE, NEVER OPERATE THIS EQUIPMENT WHEN UNDER THE INFLUENCE OF THESE SUBSTANCES.








WARNING:



Incorrect use of this equipment may result in serious or even fatal accidents. Before placing the equipment into operation, carefully read the instructions contained in this manual. Ensure that the person responsible for the operation has been instructed on the correct and safe use of the implement, having read and understood the instruction manual of this equipment.

- 1 -  When operating the equipment, prevent people from staying too close to or over it.
- 2 -  Do not use loose clothing as it can get caught on the equipment.
- 3 -  When activating the tractor engine, be properly seated on the operator seat and have complete knowledge of the correct and safe handling of the tractor as well as the equipment. Always keep the gear stick in the neutral position, switch off the power take-off control and place the hydraulic controls in the neutral position.
- 4 -  Do not start the engine in a closed setting or without suitable ventilation because the exhaust gases are dangerous to health.
- 5 -  When maneuvering the tractor to couple the equipment, check if there is enough space and ensure no one is too close to it. Always maneuver with reduced gear and be prepared to use the emergency brake.
- 6 -  Do not make adjustments with the equipment in operation.



- 7 -  When working on inclined lands, proceed carefully, always maintaining the necessary stability. In the case of misbalance, reduce the speed and turn the wheels of the tractor towards the slope side of the land.
- 8 -  Always drive the tractor at speeds compatible with safety, especially in works on uneven lands or slopes. Always keep the tractor coupled.
- 9 -  When driving the tractor on roads, keep the brake pedals interconnected and use the safety sign.
- 10 -  Do not work with the tractor if the front is light. Add weights to the front or front wheels in case it may be raised.
- 11 -  When leaving the tractor, place the gear stick in the neutral position and apply the parking brake.
- 12 -  Alcoholic drinks or some drugs may cause loss of reflexes and change the physical conditions of the operator. Therefore, never operate this equipment when under the influence of these substances.
- 13 -  Read or explain all the procedures above to the user that cannot read.

REAR AGRICULTURAL SHOVEL - PAT

02 - COMPONENTS

- 01 - Support
- 02 - Small support
- 03 - Bucket
- 04 - Trip lever
- 05 - Steel cable
- 06 - Baldan Adhesive
- 07 - Bucket trip

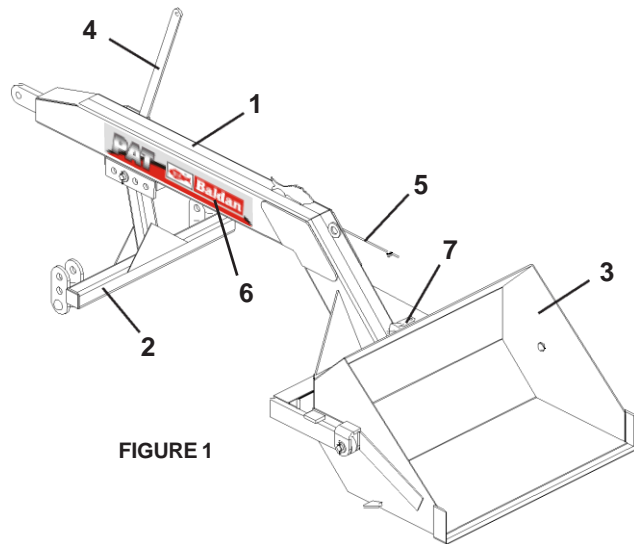


FIGURE 1

03-TECHNICAL SPECIFICATIONS

TABLE 1

<i>Model</i>	<i>Lifting Height (mm)</i>	<i>Load Capacity (Lt)</i>	<i>Approximate Weight (kg)</i>	<i>Type of Coupling (cat.)</i>	<i>Tractor power (hp)</i>
<i>PAT</i>	<i>2100</i>	<i>220</i>	<i>195</i>	<i>I and II</i>	<i>75</i>

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

04 - MOUNTING

- The PAT already leaves the factory mounted. For spare parts replacement, follow the mounting instructions below. Before mounting the shovel, look for an ideal location that facilitates the identification of the parts in order to speed up mounting.

MOUNTING OF SUPPORT - PAT (FIGURE 2)

1 - Couple the small support (1) (2) with the pin (3), washer (4) and retaining pin (5).

Then insert the pin (6), washer (7) and pin with ring (8).

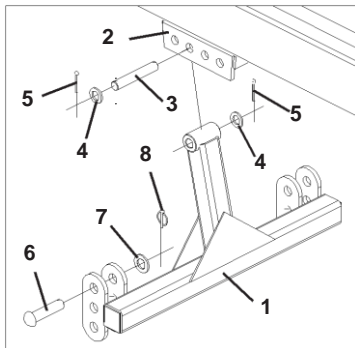


FIGURE 2

MOUNTING OF THE TRIP – PAT (FIGURE 3)

1 - Couple the spring (1) to the trip (2) with the pin (3), washer (4) and retaining pin (5).

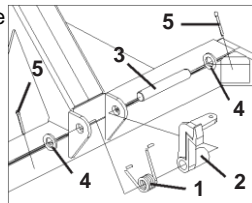


FIGURE 3

MOUNTING OF THE LEVER - PAT (FIGURE 4)

1 - Attach the lever (1) to the support (2) with the washer (3) and retaining pin (4).

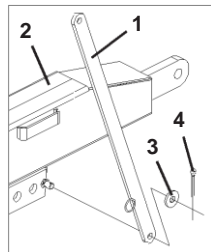


FIGURE 4

MOUNTING OF THE BUCKET - PAT (FIGURE 5)

1 - Couple the bucket (1) to the support (2) with the pin (3), washer (4) and retaining pin (5).

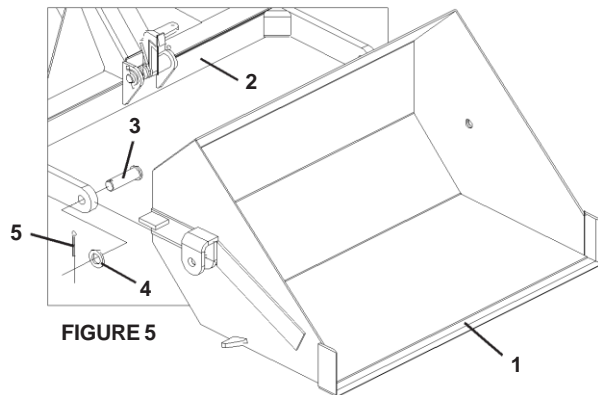
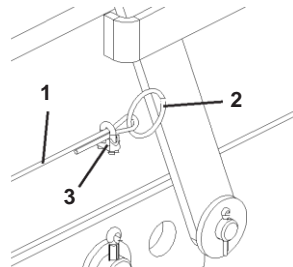


FIGURE 5

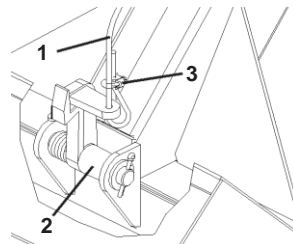
MOUNTING OF THE STEEL CABLE - PAT (FIGURES 6)

1 - Attach the steel cable (1) by passing it through the ring of the lever (2) and lock with the clamp (3).



FIGURES 6

2 - Then attach the steel cable (1) by passing it through the trip of the bucket (2) and lock with the clamp (3).



05 - COUPLING

COUPLING TO THE TRACTOR - PAT (FIGURE 7)

- Before coupling the shovel to the tractor, check if the tractor is prepared for work by observing the following items:

1 - Check if the tractor is equipped with a set of weights at the front or on the front or rear wheels.

2 - Adjust the eyelet of the lower arms of the tractor (1) and couple to the

shovel using the coupling pins (2) and place the lock (3).

3 - Then couple the third point of the tractor to the PAT as shown in detail "A".

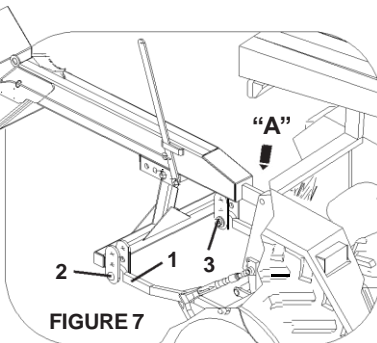


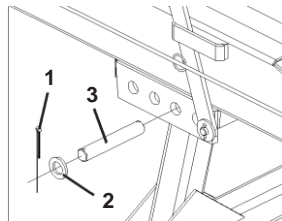
FIGURE 7

06 - ADJUSTMENTS

LIFTING ADJUSTMENT – PAT (FIGURES 8)

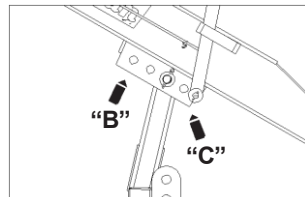
- The shovel has an adjustment system that enables lifting to be increased or reduced. For such, proceed as follows: (FIGURES 8).

1 - To adjust, remove the retaining pin (1), washer (2) and pin (3), select the desired hole and perform the inverse procedure concluding the mounting.



**Lifting
Adjustments:**

Minimum Lift = "B"
Maximum Lift = "C"



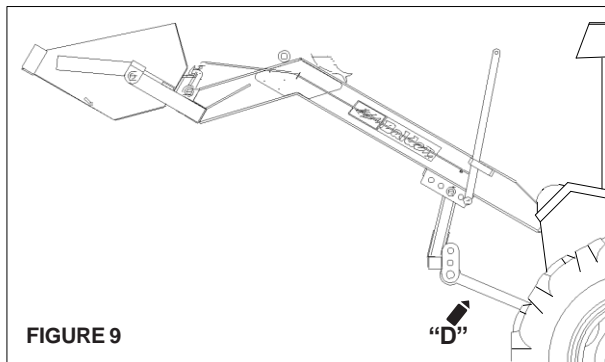
FIGURES 8

07 - OPERATIONS

WORK WITH REAR AGRICULTURAL SHOVEL – PAT (FIGURE 9)

- After adjusting the lift, start the works with the rear agricultural shovel **PAT** as follows:

1 - When loading the shovel, use the third point of the tractor to lift it as shown in **detail “D”**, **FIGURE 9**.

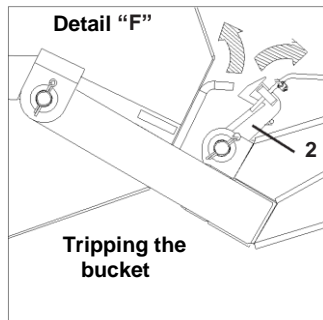
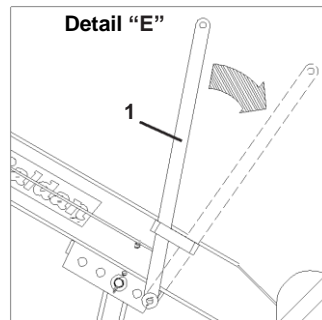


ATTENTION

Start the works with the shovel checking if it is fully mounted and correctly coupled to the tractor in order to avoid the risk of accidents and damages to the equipment.

- To unload the shovel, trip in the same way. For such, proceed as follows:

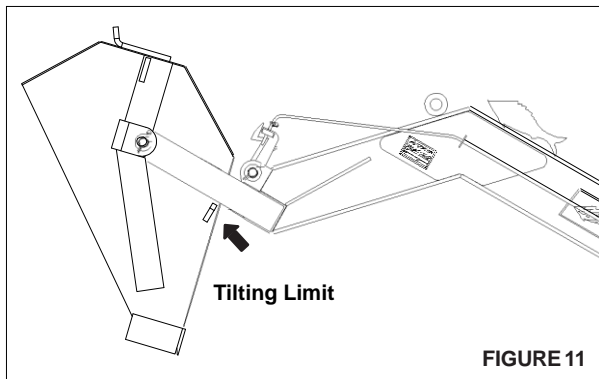
2 - Pull the lever (1) activating the trip system of the bucket (2), as shown in **details “E” and “F”**, **FIGURES 10**.



ATTENTION

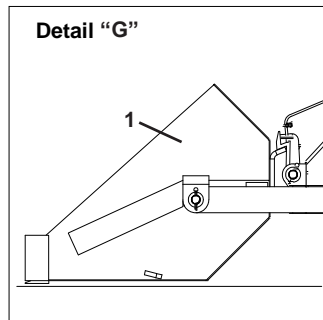
When tripping, make sure no one is below the bucket to avoid the risk of accidents.

3 - After tripping, the bucket will tilt until it reaches its limit, as shown in **FIGURE 11**.

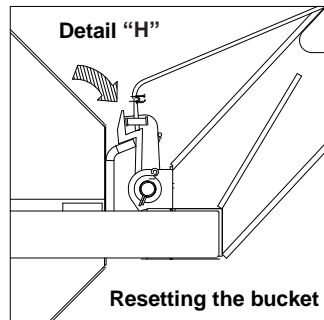


- To reset the bucket, proceed as follows:

4 - Lower the bucket (1) completely until it is completely touching the floor in order for the automatic reset to occur, as shown in **details "G" and "H", FIGURES 12**.



FIGURES 12



ATTENTION

When loading the shovel, do not exceed the load capacity of 220 liters to prevent damage.

08 - PRECAUTIONS

- 1 - The rear agricultural shovel model **PAT** is used in various applications, demanding know-how and attention during its handling.
- 2 - Check the conditions of all the pins and retaining pins before using the shovel.
- 3 - Do not allow people to stay under the shovel in operation.
- 4 - Only local conditions can determine the best way of operating the rear agricultural shovel.
- 5 - Use the suitable methods and tools to mount or dismount any part of the **PAT**.
- 6 - Always check if the parts do not present wears. If replacement is required, **always demand for original Baldan parts.**

GENERAL CLEANING - PAT

- Cleaning the rear agricultural shovel before storing it is recommended in order to conserve and increase the useful life of your equipment.
- To clean the rear agricultural shovel, proceed as follows:
 - 1 - First carry out a general cleaning by completely washing it.
 - 2 - After, check if the paint is not worn, otherwise apply a general coat on all the worn parts.
 - 3 - Completely lubricate the rear agricultural shovel and check all the moving parts for wear or looseness and perform the necessary adjustments or replacement of the parts, leaving the equipment ready for the next operation.
 - 4 - After all the maintenance services, keep your rear agricultural shovel in a duly safe and suitable place.



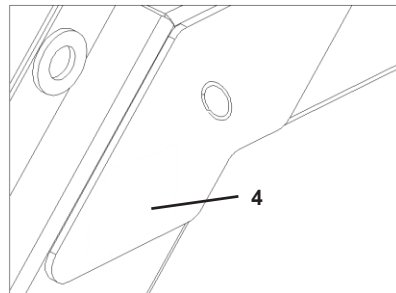
ATTENTION

Do not use chemical detergents to wash the PAT because they can damage the painting.

09 - IDENTIFICATION

1 - To consult the parts catalog or request for technical service from Baldan, always indicate the model (1), serial number (2) and date of manufacture (3) informed on the identification label (4) of the **PAT**.

2 - **ALWAYS DEMAND FOR ORIGINAL BALDAN PARTS.**



Marketing
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ATTENTION

The drawings contained in this instruction manual are merely illustrative.



CONTACT

In the case of doubts consult the After Sales.

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

PRODUCT IDENTIFICATION

Identify the data below in order to always have the correct information on the life of your **PAT**.

Owner: _____

Dealer: _____

Farm: _____

City: _____ State: _____

Warranty Certificate No.: _____

Model: _____

Serial No.: _____

Date of Purchase: ____/____/____

Invoice No.: _____



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