

# ***Instruction Manual***



**PAMC 600 / 800 / 1100**

Agricultural Front Attachments Cylinder for Tractors

 **BALDAN**



# ■ Presentation

**W**e appreciate the preference and would like to congratulate you for excellent choice you just made, since you have acquired a product manufactured with **BALDAN**



**IMPLEMENTOS AGRÍCOLAS S/A** technology.

This manual will guide you through the procedures required since its acquisition until operational procedures of usage, safety and maintenance.

**BALDAN** assures that it has delivered this implement for resale in full and in perfect conditions.

Resale was responsible for the custody and maintenance during the period in its possession, and also for the assembly, retightening, lubrication and overhaul.

During the technical delivery, dealer should guide the user regarding maintenance, safety, their obligations in eventual technical assistance, strict compliance with the warranty term and reading the instructions manual.

Any technical assistance request while in warranty must be made to the dealer from whom you have purchased it.

We reiterate the need for a careful read of the warranty certificate and compliance of all items from this manual, because by doing so you will increase the life of your device.

# ***Instruction Manual***



## **PAMC 600 / 800 / 1100**

Agricultural Front Attachments Cylinder for Tractors

**BALDAN IMPLEMENTOS AGRÍCOLAS S/A.**

CNPJ: 52.311.347/0009-06

Insc. Est.: 441.016.953.110



Scan the QR Code on the identification plate of your device and access this Instruction Manual online.

 **BALDAN**

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## ▪ **Baldan Warranty**

**BALDAN IMPLEMENTOS AGRÍCOLAS S/A** ensures the dealer normal performance of the implement for a period of six (6) months as of the delivery date on the retail invoice to the first final consumer.

During this period, **BALDAN** undertakes to repair defects in material and/or of manufacture of its liability, including labor, freight and other expenses of the dealer's liability.

In the warranty period, request and replacement of eventual defective parts shall be made to the dealer of the area, who will submit the faulty piece for **BALDAN** analysis.

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

After analyzing the replaced items by **BALDAN** Technical Assistance, and concluding that it is not a warranty, then the dealer will be responsible for the costs related to the replacement; as well as material expenses, travel including accommodation and meals, accessories, lubricant used and other expenses arising from the call out to Technical Assistance, and **BALDAN** company is authorized to carry the respective invoice in the name of the resale.

Any repair carried out in the product within the dealer warranty deadline will only be authorized by **BALDAN** upon previous budget presentation describing parts and workforce to be executed.

The product is excluded from this term if it is repaired or modified by representatives not belonging to the **BALDAN** dealer network, as well as the application of non-genuine parts or components to the user's product.

This warranty is void where it is found that the defect or damage is caused by improper use of the product, failure to follow instructions or inexperience of the operator.

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

Manufacturing and/or material defects, object of this warranty term, will not constitute, under any circumstances, grounds for termination of a purchase agreement, or for indemnification of any nature.

**BALDAN** reserves the right to change and/or perfect the technical characteristics of its products, without previous notice, and without obligation to proceed in the same way with the products previously manufactured.

## ▪ General Information

### • To the owner

**BALDAN IMPLEMENTOS AGRÍCOLAS S/A** is not responsible for any damaged caused by accident due to usage, transportation, or in the improper or incorrect transportation of its implement, whether by negligence and/or inexperience of any person.

Only people with complete knowledge of the tractor and the implement should carry their transportation and operation.

***BALDAN is not responsible for any damaged caused in unpredictable or unrelated situations to the normal use of the implement.***

***The incorrect handling of this equipment may result in severe or fatal accidents. Before starting the equipment, carefully read the instructions contained in this manual. Make sure that the person responsible for the operation is instructed as the correct and safe handling. Also make sure that the operator has read and understood the instructions manual of the product.***

## **ATTENTION**

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

The purpose of this Regulatory Standard is to establish the precepts to be observed in the organization and in the work environment, in a manner compatible with the planning and development of agriculture, livestock, forestry and aquaculture activities with the safety and health and environment work environment.

**MR. OWNER OR OPERATOR OF THE EQUIPMENT.**

Read and carefully comply with provisions of NR-31.

For more information, refer to the site and read in full NR-31.  
<http://portal.mte.gov.br/legislacao/normas-regulamentadoras-1.htm>



## ▪ Safety Rules

- To the operator



### **ATTENTION**

THIS SYMBOL INDICATES IMPORTANT SAFETY WARNING. IN THIS MANUAL, WHENEVER YOU FIND IT, READ THE FOLLOWING MESSAGE CAREFULLY AND PAY ATTENTION TO THE POSSIBILITY OF PERSONAL ACCIDENTS.



### **ATTENTION**



Carefully read the instructions manual to learn about the recommended safety practices.



### **ATTENTION**



Only start to operate the tractor when you are properly seated and with the seat belt locked.



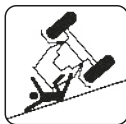
### **ATTENTION**



Do not transport people or equipment on the tractor.



### **ATTENTION**



There are risks of severe injuries due to tipping when working in sloped terrains. Do not over speed.



### **ATTENTION**



Do not work with the tractor if the front has insufficient ballast to the rear equipment. Should there be a trend to lift, add weights or ballasts to the front or the front wheels.



### **ATTENTION**



Before performing any maintenance in your equipment, make sure it is properly stopped. Avoid being run over.

## ▪ Safety rules

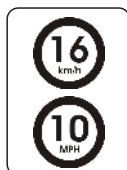
### **ATTENTION**



Do not make adjustments with the PAMC 600/800/1100 in operation.

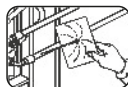
When servicing the PAMC 600/800/1100 turn off the tractor first. Use proper tools.

### **ATTENTION**



When transporting the PAMC 600/800/1100 do not exceed a speed of 16 km/h or 10 MPH, avoiding the risk of damage and accidents.

### **ATTENTION**



When checking hoses for leaks, use a piece of cardboard or wood, never use your hands. Avoid incising fluid into the skin.

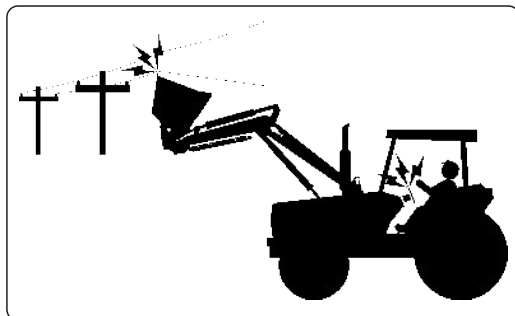
### **ATTENTION**



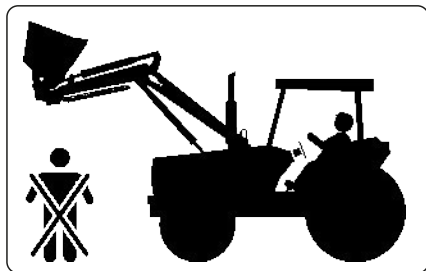
Pressurized hydraulic oil may cause serious injury if leaks occur.

Check the conservation status of the hoses from time to time. If there is evidence of leaks, replace them immediately. Before connecting or disconnecting hydraulic hoses, relieve system pressure by activating the drive with the tractor turned off.

### **ATTENTION**



















When maneuvering the PAMC 600/800/1100 in the elevated position, watch out for power lines, telephone lines, low tree branches and other overhead obstructions. Ignoring this warning could result in serious accidents, injury or even death.














**▪ Safety rules****ATTENTION**

When operating the PAMC 600/800/1100, do not allow people to stand too close or particularly under it. Ignoring this warning could result in serious accidents, injury or even death.

## ▪ Warnings

-  When operating with the PAMC 600/800/1100 do not allow people to stand too close or on top of it.
-  When carrying out any maintenance service, use the PPE equipment.
-  Before connecting or disconnecting hydraulic hoses, relieve system pressure by activating the drive with the tractor turned off.
-  Check the condition of the hydraulic hoses from time to time. If there is evidence of oil leakage, replace the hose immediately as the oil works under high pressure and may cause serious accidents.
-  Do not wear loose clothing, as they may become entangled in the PAMC 600/800/1100.
-  When starting the tractor engine, be properly seated in the operator's seat and acknowledge the correct and safe handling of both the tractor and the PAMC 600/800/1100. Always place the gearshift lever in the neutral position, disconnect the control gear from the PTO and place the hydraulic controls in the neutral position.
-  Do not start the tractor engine indoors, without adequate ventilation, as the exhaust fumes are harmful to health.
-  When maneuvering the tractor to the PAMC 600/800/1100 hitch, make sure you have the necessary space and that no one is too close, always maneuver at idle speed and be prepared to brake in an emergency.
-  Do not make adjustments with the PAMC 600/800/1100 in operation.
-  When working on slopes, proceed with care, always maintaining the required stability. In the event of imbalance, reduce the acceleration, turn the wheels to the side of the slope and never raise the PAMC 600/800/1100.
-  Always drive the tractor at speeds compatible with safety, particularly when working on rough terrain or on slopes keep the tractor in gear at all times.
-  When driving the tractor on roads, keep the brake pedals interlocked.
-  Do not work with the tractor with a light rear end. If the rear tends to lift, add more weight to the rear wheels.
-  When leaving the tractor, place the gearshift lever in neutral position and set the parking brake. Never leave the PAMC 600/800/1100 hitched to the tractor in the raised position of the hydraulic system.
-  All and any maintenance on the PAMC 600/800/1100 must be performed with the equipment stationary and the tractor turned off.
-  Do not leave the seat before locking the controls to prevent any movement.

## ▪ Warnings

-  Operate the PAMC 600/800/1100 from the driver's seat only. Do not release controls until movements are complete.
-  Do not leave the tractor while the shovel or any other accessory is raised. After using the shovel or any other accessory, park the tractor with the shovel or any other accessory lowered on the ground.
-  Do not let anyone near the shovel or any other accessories when they are in operation.
-  Restrict all movement while the load is being lifted as the tractor could become unbalanced.
-  The maximum permissible front axle load recommended by the tractor manufacturer must not be exceeded.
-  The maximum front tire load recommended by the tire manufacturer must not be exceeded.
-  Check tire pressure on a regular basis.
-  Check for the presence of safety pins and screws on a regular basis. Do not replace with other objects such as nails, wires, etc.
-  In operations where the PAMC 600/800/1100 must be stationary, activate the locking system on the joystick.
-  Never modify hose connections.
-  The warranty is immediately rendered null and void if the instructions for assembly, adjustments, operation and maintenance of the PAMC 600/800/1100 are not observed.
-  Alcoholic beverages or some medications may cause loss of reflexes and alter the operator's physical condition. Therefore, never operate this equipment under the influence of these substances.
-  Read or explain all the procedures in this manual to a user who cannot read.

If in doubt, contact After Sales.  
Telephone: 0800-152577 / E-mail: [posvenda@baldan.com.br](mailto:posvenda@baldan.com.br)

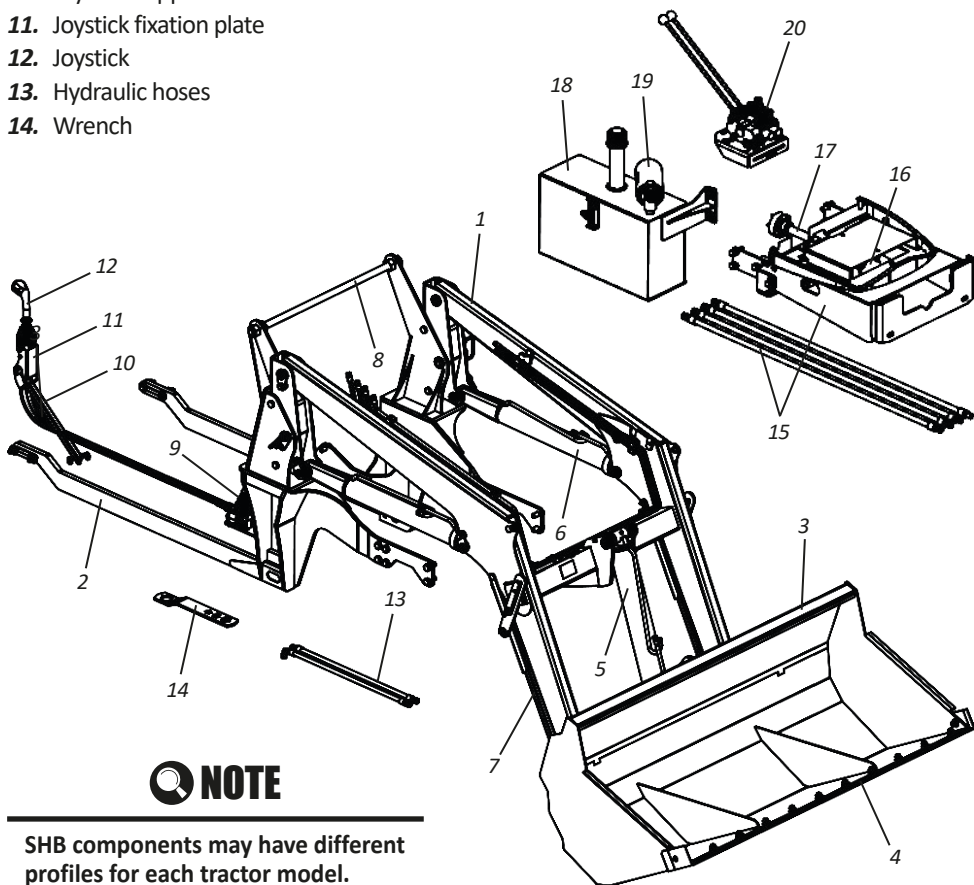
## ■ Components

### • PAMC 600/800/1100 - Agricultural Front Attachments Cylinder for Tractors (System BT)

1. Mobile support
2. Side frame
3. Hydraulic shovel
4. Shovel blade
5. Hydraulic tipping cylinder
6. Hydraulic lifting cylinder
7. Support footing
8. Rod
9. Hydraulic drive
10. Joystick support
11. Joystick fixation plate
12. Joystick
13. Hydraulic hoses
14. Wrench

When PAMC 600/800/1100 is purchased with the SHB System, the following components are included:

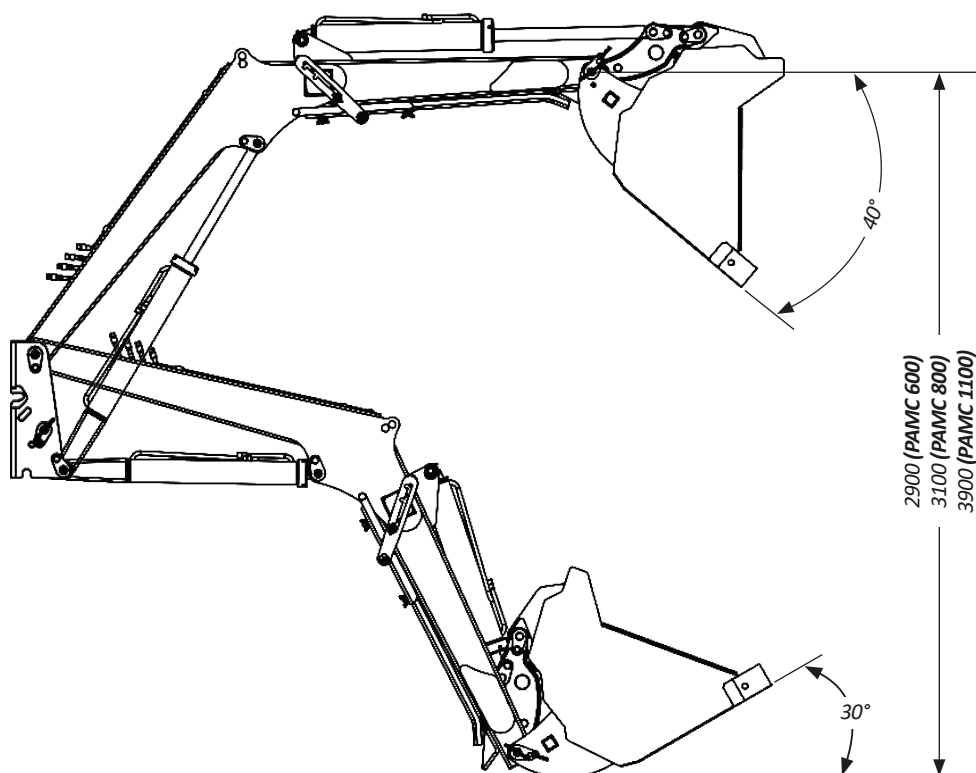
15. Fasteners and hoses
16. Pump
17. Pump drive system
18. Tank
19. Filter
20. Command



SHB components may have different profiles for each tractor model.

## ▪ Dimensions

- Loading and unloading angles



## **NOTE**

The lift height of the PAMC 600/800/1100 may have slight variations from tractor to tractor due to the tire model and tractor block height in relation to the ground.  
The inclination angle of the PAMC 600/800/1100 may have slight variations from tractor to tractor due to equipment positioning and lift height.

## ■ Specifications

### • PAMC 600/800/1100 - Agricultural Front Attachments Cylinder for Tractors

Model	Total Width (mm)	Capacity (m³)	Lift Height (mm)
PAMC 600	1700	0,555	2900 (**)
	1900	0,600	2900 (**)
	2300 (*)	0,750	2900 (**)
PAMC 800	1700	0,555	3100 (**)
	1900	0,600	3100 (**)
	2300 (*)	0,750	3100 (**)
PAMC 1100	1700	0,600	3900 (**)
	1900	0,600	3900 (**)
	2300 (*)	0,750	3900 (**)

(\*) Shovel width 2300mm is indicated for greater volume with less density (example: coffee plant and chicken litter).

(\*\*) The lift height of the PAMC 600/800/1100 may have slight variations from tractor to tractor due to the tire model and height of the tractor block in relation to the ground.

Baldan reserves the right to change and/or improve the technical characteristics of its products, without prior notice, and without obligation to do so with previously manufactured products.  
Technical specifications are estimates and reported under normal working conditions.

## INTENDED USE OF PAMC 600/800/1100

- The **PAMC 600/800/1100** was developed to provide more versatility to agricultural tractors, increasing their use and performance in the field. At present, its use ranges from leveling the roads to more complex jobs such as supplying seeders during sowing, among other needs that field operations require.
- The **PAMC 600/800/1100** must be driven and operated only by a properly instructed operator.

## PROHIBITED USE OF PAMC 600/800/1100

- It is NOT allowed to use the **PAMC 600/800/1100** to attach, tow or push other implement or accessories.
- The **PAMC 600/800/1100** must NOT be used by an inexperienced operator who is not familiar with all the driving, control and operation techniques.



## ▪ **Assembly**

The **PAMC 600/800/1100** leaves the factory semi assembled, lacking the assembly of some components.

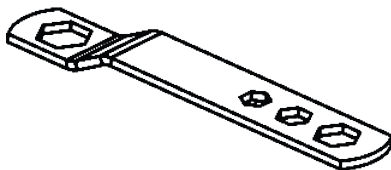
⚠ The **PAMC 600/800/1100** must be assembled by the reseller, through a person trained to do this task.

⚠ Before assembling the **PAMC 600/800/1100**, look for an ideal place for easy identification of the parts and its assembly.

⚠ Do not wear loose clothing as they may get caught in the **PAMC 600/800/1100**.

### • **Wrench**

When assembling, disassembling or servicing the **PAMC 600/800/1100**, use the wrench that comes with the modulated agricultural shovel.



**1.1/4" X 1" X 3/4" X 5/8"  
HEX NUT WRENCH**

**⚠ ATTENTION** | If a wrench is lost or damaged, purchase another one immediately. Always use original Baldan wrenches.

### • **Preparing the tractor**

Before assembling the **PAMC 600/800/1100** remove the front counterweights from the tractor. On some tractor brands or models, it is also necessary to remove the front support and the original exhaust adapter from the tractor so that after assembling the side frames, the user may attach the Baldan exhaust adapter shipped in the packaging box.



### **NOTE**

For each tractor brand or model, the counterweights and front support are different.

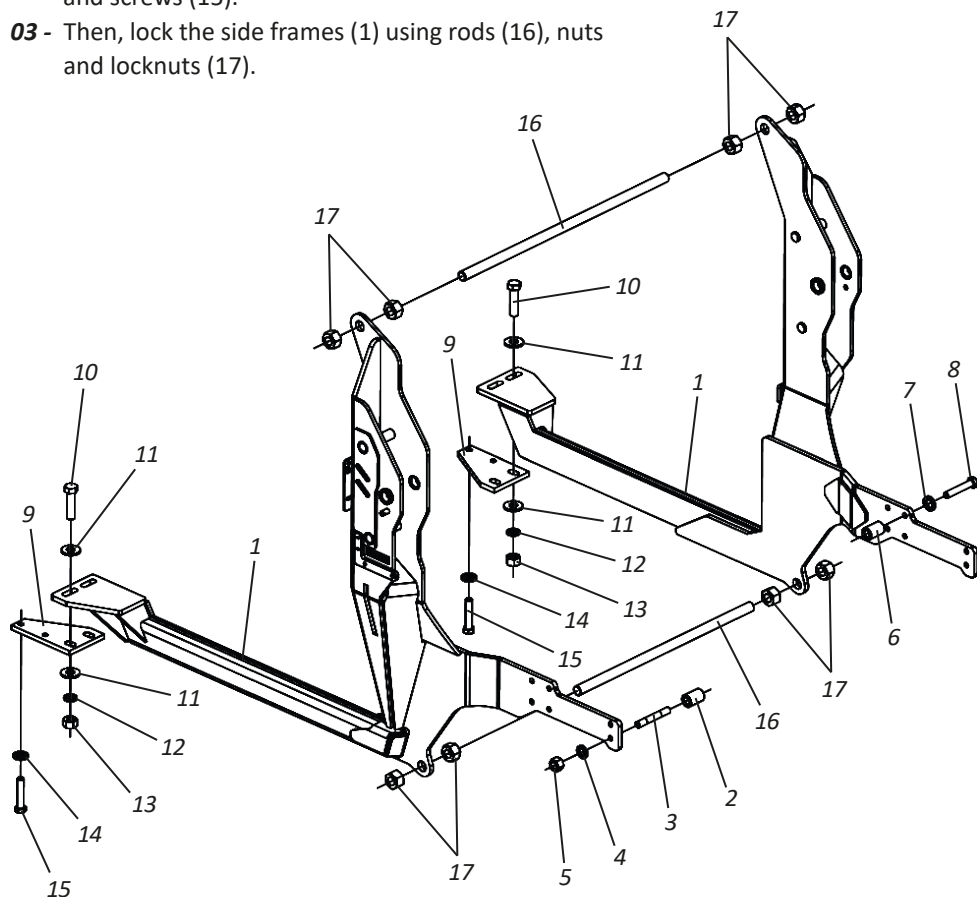
To assemble the Baldan exhaust adapter, proceed as instructed on the next page.

## ■ Assembly

### • Assembling the PAMC 600 side frames

To assemble the side frames, proceed as follows:

- 01** - Attach the side frames (1) to the tractor using bushings (2), tie rods (3), spring washers (4), nuts (5), bushings (6), spring washers (7) and screws (8).
- 02** - Then, secure the shoes (9) to the side frames (1) using screws (10), flat washers (11), spring washers (12), nuts (13) and to the tractor using spring washers (14) and screws (15).
- 03** - Then, lock the side frames (1) using rods (16), nuts (17) and locknuts (17).



**NOTE**

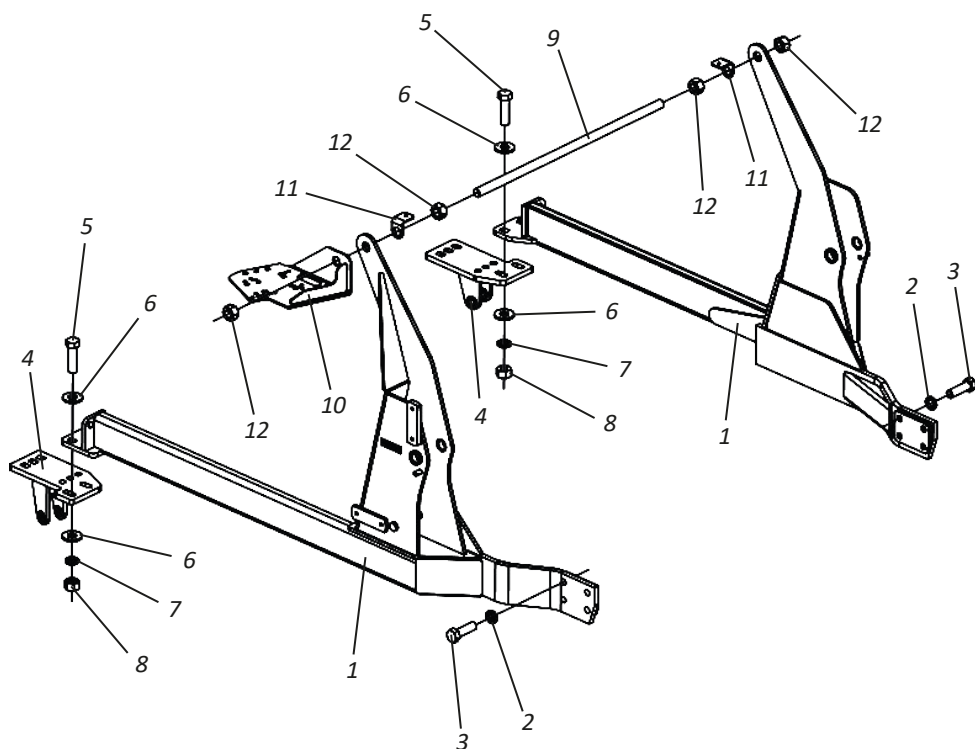
The attachment of the side frames may vary according to the tractor model.

## ▪ Assembly

### • Assembling the PAMC 800 side frames

To assemble the side frames, proceed as follows:

- 01** - Attach the side frames (1) to the tractor, through the spring washers (2) and screws (3).
- 02** - Then secure the shoes (4) to the side frames (1) using screws (5), flat washers (6), spring washers (7), nuts (8).
- 03** - Then, lock the side frames (1) through the rod (9), securing the control support (10), headlight support (11), nuts and locknuts (12).



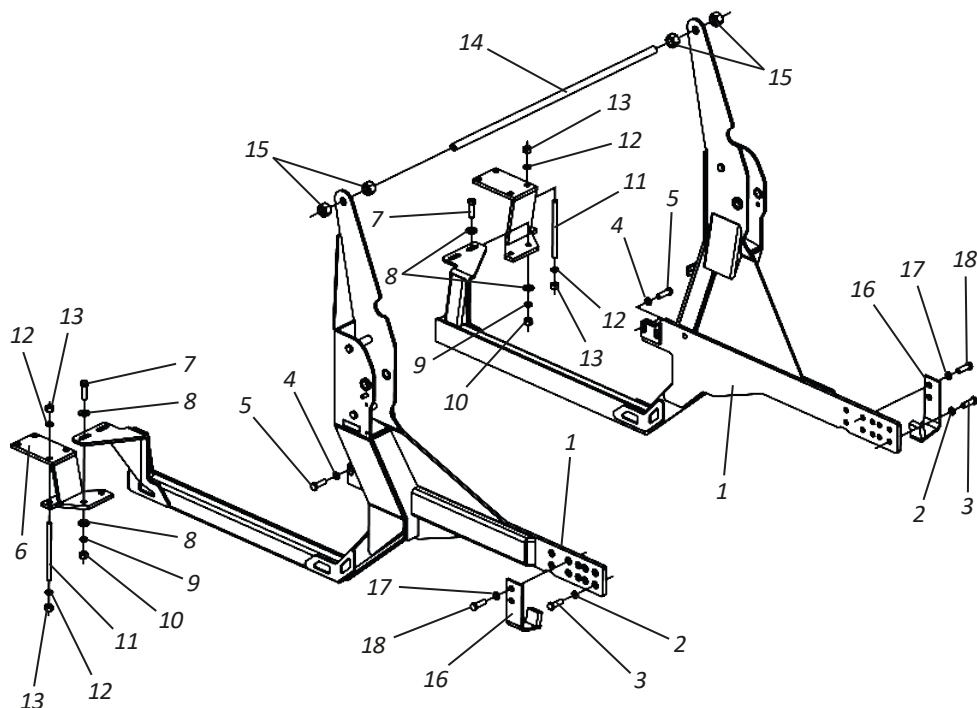
The attachment of the side frames may vary according to the tractor model.

## ■ Assembly

### • Assembling the PAMC 1100 side frames

To assemble the side frames, proceed as follows:

- 01** - Attach the side frames (1) to the tractor, securing using spring washers (2), screws (3) and spring washers (4) and screws (5).
- 02** - Then, secure the shoes (6) to the side frames (1) using screws (7), flat washers (8), spring washers (9) nuts (10) and to the tractor using tie rods (11), spring washers (12) and nuts (13).
- 03** - Then, lock the side frames (1) using a rod (14), nuts and locknuts (15).
- 04** - Finish by attaching the supports (16) to the side frames (1) using spring washers (17) and screws (18).



### **ATTENTION**

After assembling the side frames (1), secure the supports (16) to reduce the pivot angle of the front axle.

### **NOTE**

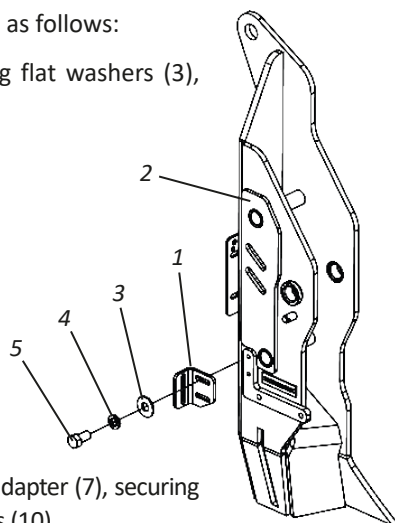
The attachment of the side frames may vary according to the tractor model.

## ▪ Assembly

### • Assembling the Baldan exhaust adapter

To assemble the Baldan exhaust adapter, proceed as follows:

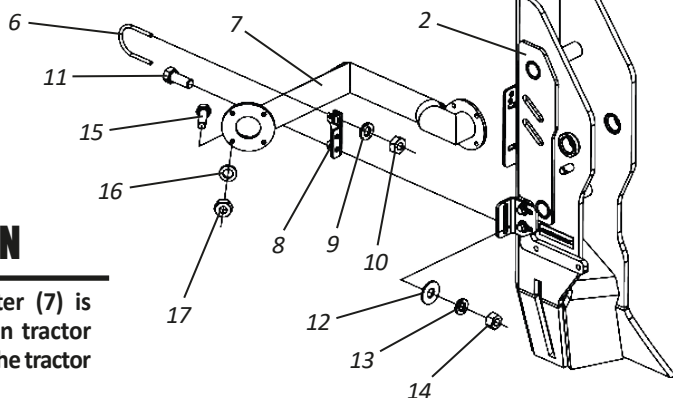
- 01** - Attach the plate (1) to the side frame (2) using flat washers (3), spring washers (4) and screws (5).



- 02** - Then, attach the clamp (6) to the Baldan exhaust adapter (7), securing through the bracket (8), spring washer (9) and nuts (10).

- 03** - Then, attach the Baldan exhaust adapter (7) to the side frame (2) using the bracket (8), screws (11), flat washers (12), spring washers (13) and nuts (14).

- 04** - Finish fixing the tractor exhaust on the Baldan exhaust adapter (7) using screws (15) spring washers (16) and nuts (17).



## **ATTENTION**

The Baldan exhaust adapter (7) is shipped with PAMC only on tractor models requiring to change the tractor exhaust position.

## **NOTE**

Use the same exhaust set screws to secure the Baldan exhaust adapter (7) to the tractor.

## ▪ Assembly

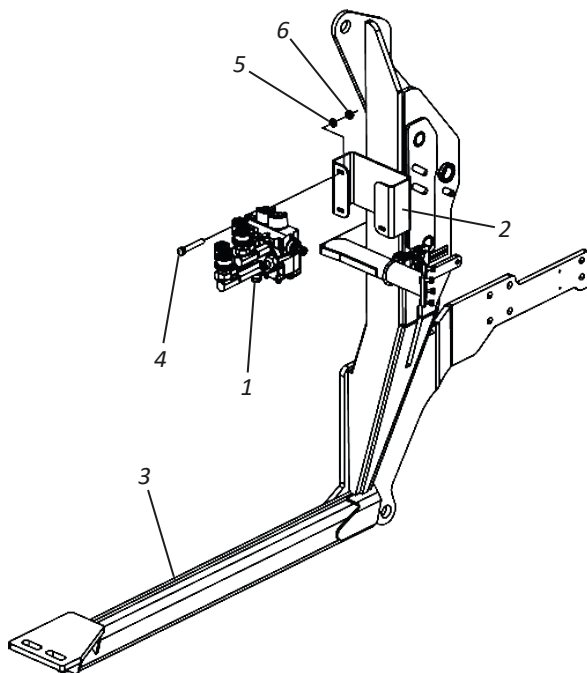
### • Assembling components

After assembling the Baldan exhaust adapter, secure the components included in the **PAMC 600/800/1100** packaging box.

### • Assembling hydraulic drive (Rear attachment)

To assemble the hydraulic drive on the rear of the side frame, proceed as follows:

- 01** - Attach the hydraulic drive (1) on the plate (2) of the side frame (3), fastening it using screws (4), spring washers (5) and nuts (6).



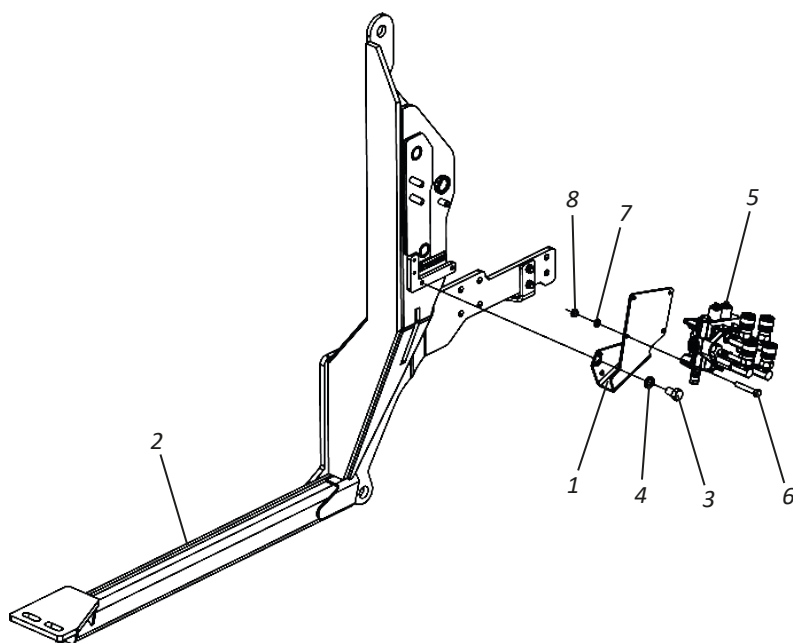
The plate (2) for fixing the hydraulic drive to the side frame may vary according to the tractor model.

## ▪ Assembly

### • Assembling hydraulic drive (Side attachment)

To assemble the hydraulic drive on the side of the side frame, proceed as follows:

- 01** - Attach the plate (1) to the side frame (2), securing it using screws (3) and spring washers (4).
- 02** - Then, attach the hydraulic drive (5) to the plate (1), fastening it using screws (6), spring washers (7) and nuts (8).



## **NOTE**

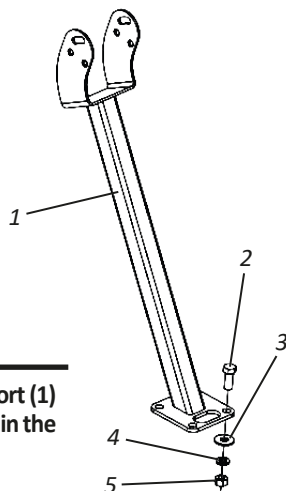
The attachment of the hydraulic drive on the side of the frame applies only to tractor models Valtra A800R, A850R, A950R and A990R and Massey Ferguson 4408, 4408S, 4409, 4410 BT Joystick/Baldan Drive.

## ▪ Assembly

### • Assembling joystick bracket (Optional)

To assemble the joystick support (1), proceed as follows:

- 01** - Attach the joystick support (1) to the tractor using screws (2), flat washers (3), spring washers (4) and nuts (5).



### **ATTENTION**

To improve ergonomics at work, install the joystick support (1) in order to better operate it on the tractor.

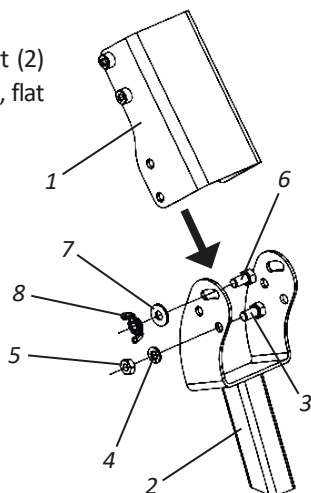
### **NOTE**

To attach the joystick support (1) it is necessary to drill holes in the tractor floor.

### • Assembling joystick fixation plate (Optional)

After assembling the joystick support, assemble the joystick fixation plate (1), proceed as follows:

- 01** - Attach the joystick fixation plate (1) to the joystick support (2) using screws (3), spring washers (4), nuts (5) and screws (6), flat washers (7) and wing nut (8).



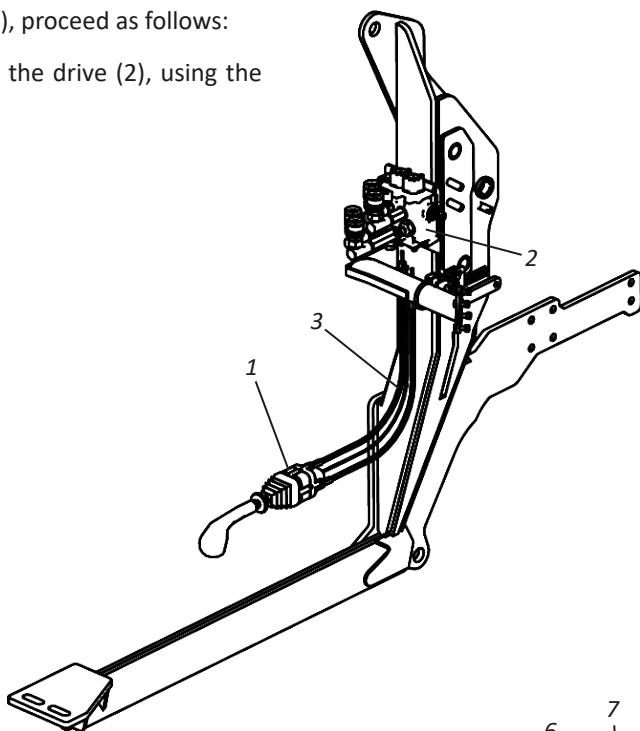


## ▪ Assembly

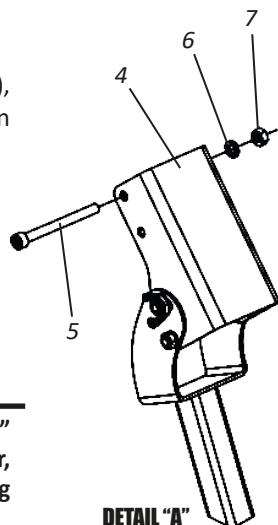
### • Assembling joystick (Optional)

To assemble the joystick (1), proceed as follows:

- 01** - Attach the joystick (1) to the drive (2), using the cables (3).



- 02** - Then assemble the joystick (1) to the joystick fixation plate (4), using screws (5), spring washers (6) and nuts (7) as shown in detail "A".



## **ATTENTION**

Assembling the joystick (1), make sure the cable (3) curves "smoothly" and does not bend. If the cable (3) bends, the joystick (1) will be stiffer, causing excessive effort during the work and, accordingly, damaging the handle in the future.

**DETAIL "A"**

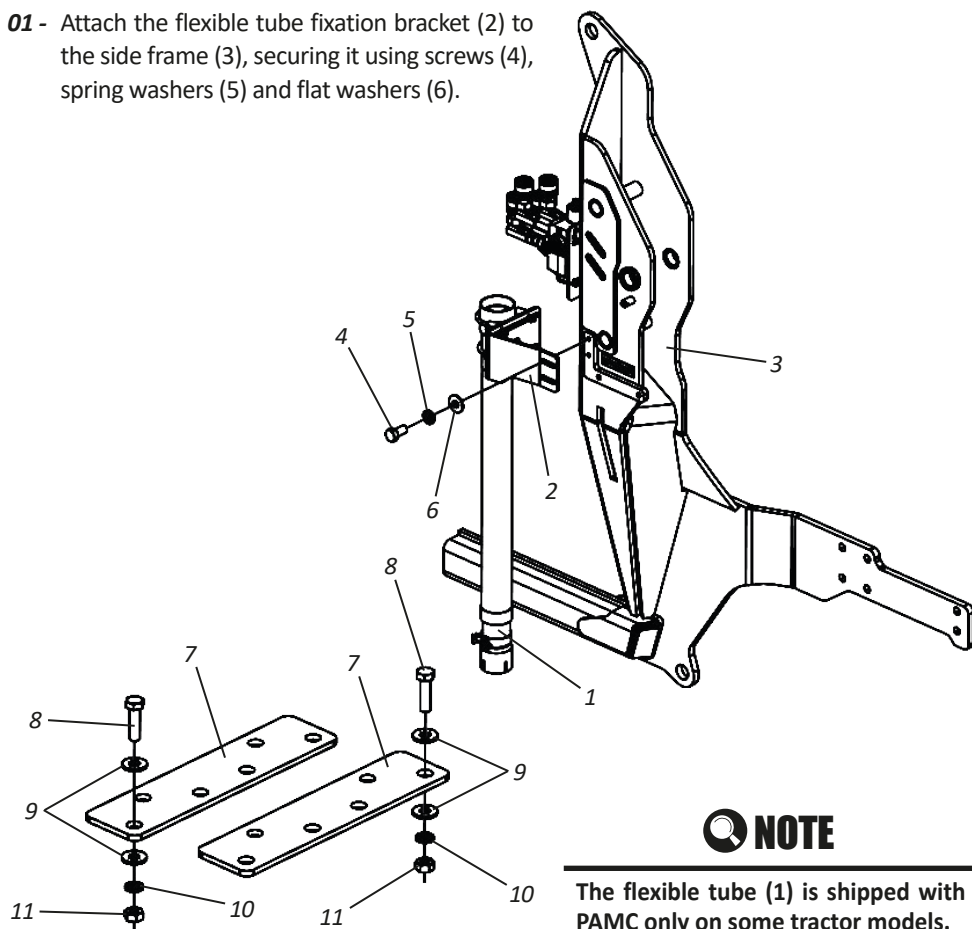
## ▪ Assembly

### • Assembling flexible tube

**! ATTENTION** Before assembling the flexible tube and the tractor exhaust, remove the rearview mirror from the tractor.

To assemble the flexible tube (1) on the tractor, proceed as follows:

- 01 -** Attach the flexible tube fixation bracket (2) to the side frame (3), securing it using screws (4), spring washers (5) and flat washers (6).



### **NOTE**

The flexible tube (1) is shipped with PAMC only on some tractor models.

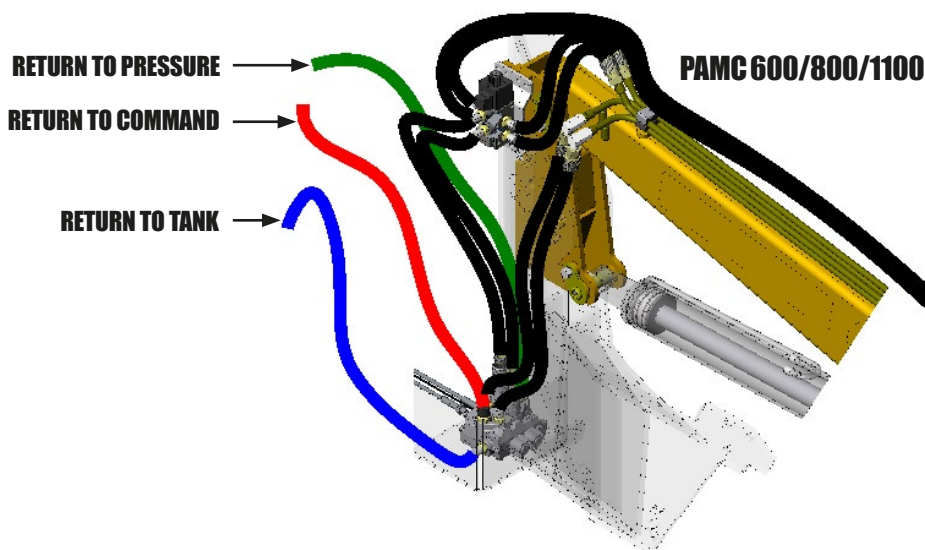
### **! IMPORTANT**

After securing the flexible tube and the tractor exhaust, secure the tractor rearview mirror again using the rearview mirror support (7), screws (8), flat washers (9), spring washers (10) and nuts (11).

## ▪ Assembly

- **Assembling of hydraulic hoses for PAMC 600/800/1100 with joystick and electric directional valve**

**PAMC 600/800/1100** with joystick can be purchased with electric directional valve. To assemble the hydraulic hoses, proceed as follows:



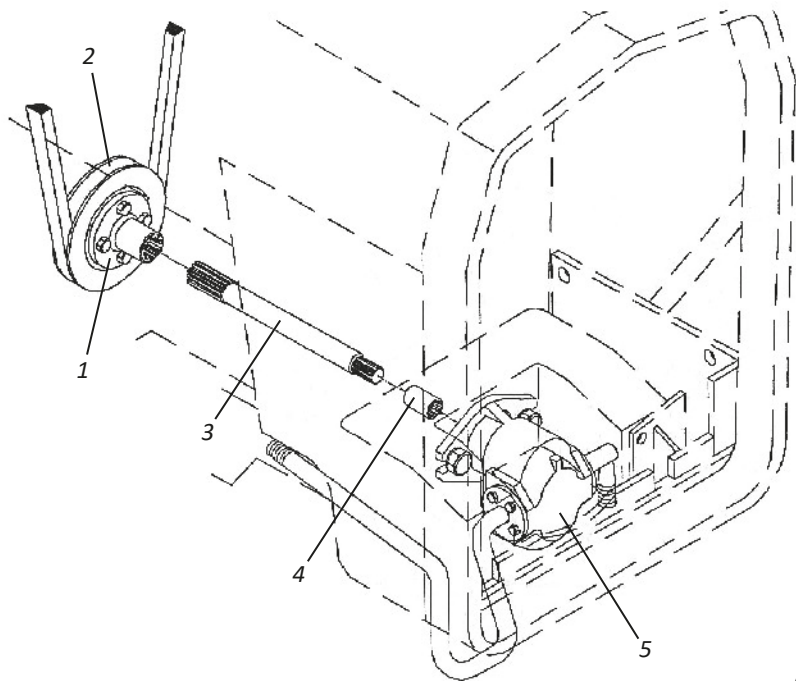
**NOTE** | Hoses can change their length depending on tractor model and type of hydraulic system configuration.

## ▪ Assembly

### • Assembling pump (SHB Hydraulic System) - PAMC 600/800/1100

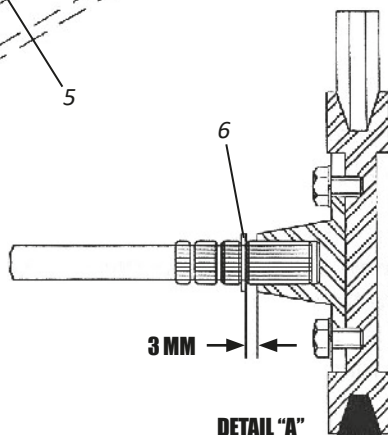
To assemble the pump (1) on the tractor when purchasing the **PAMC 600/800/1100** with SHB system, proceed as follows:

- 01** - Attach the flange (1) to the tractor crankshaft pulley, using screws (2).
- 02** - Then, insert the splined shaft (3) together with bush (4) into the flange (1).
- 03** - Then, secure the hydraulic pump (5) on the front bracket of the tractor.



## **ATTENTION**

When assembling the hydraulic pump (5), observe a gap of 3 mm between the shaft and the flange, as shown in detail "A". For this clearance, place the ring (6) in one of the grooves on the splined shaft.

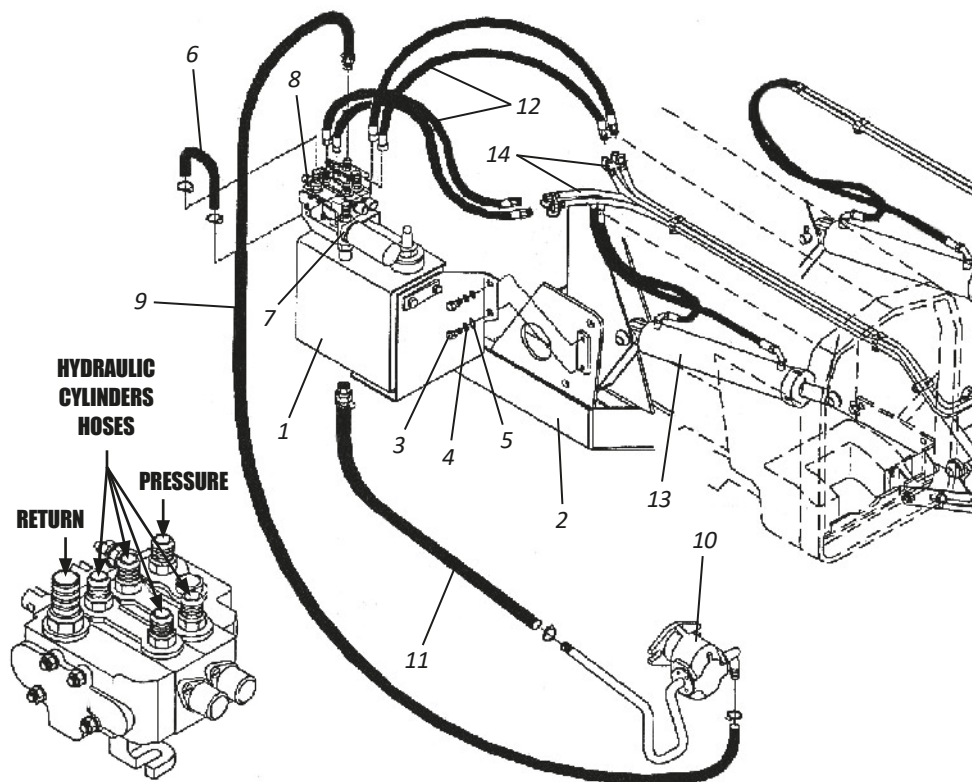


## ▪ Assembly

### • Assembling SHB (Dual Drive) hydraulic system - PAMC 600/800/1100

To assemble the SHB hydraulic system (dual drive), proceed as follows:

- 01** - Attach the oil tank (1) to the side frame (2), fastening it using screws (3), spring washers (4) spring washers (5).
- 02** - Then , attach the return hose (6) from the filter head (7) to the drive (8).
- 03** - Then attach the pressure hose (9) at the pump outlet (10) to the drive (8) and the suction hose (11) between the pump pipe (10) and the lower oil tank outlet (1).
- 04** - Then attach the hydraulic cylinders (13) drive hoses (12) between the drive (8) and the pipes (14).

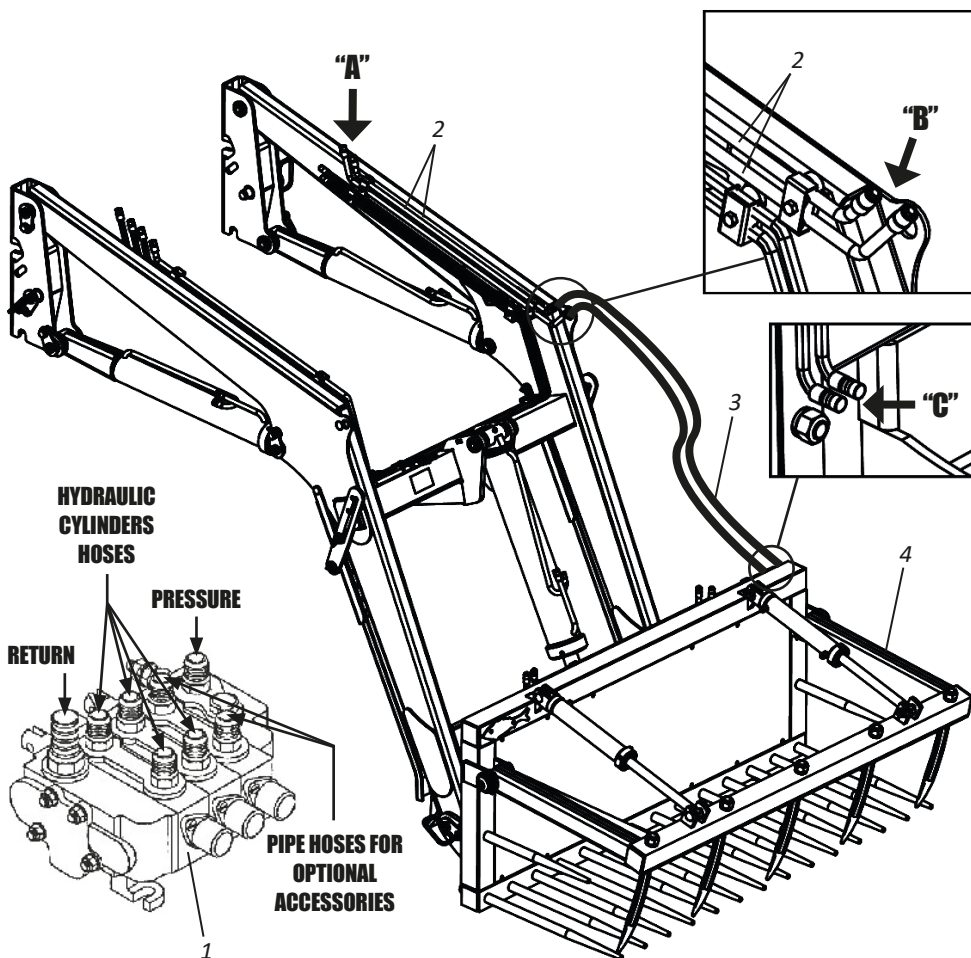


## ▪ Assembly

### • Assembling SHB (Three-way Drive) hydraulic system - PAMC 600/800/1100

To assemble the SHB hydraulic system (three-way drive), proceed as follows:

- 01** - Attach the hoses between the drive (1) and the "A" points of the pipes for optional accessories (2).
- 02** - Then, attach the hoses (3) to the "B" points of the pipes for optional accessories (2) and to the "C" points of the optional accessory (4).



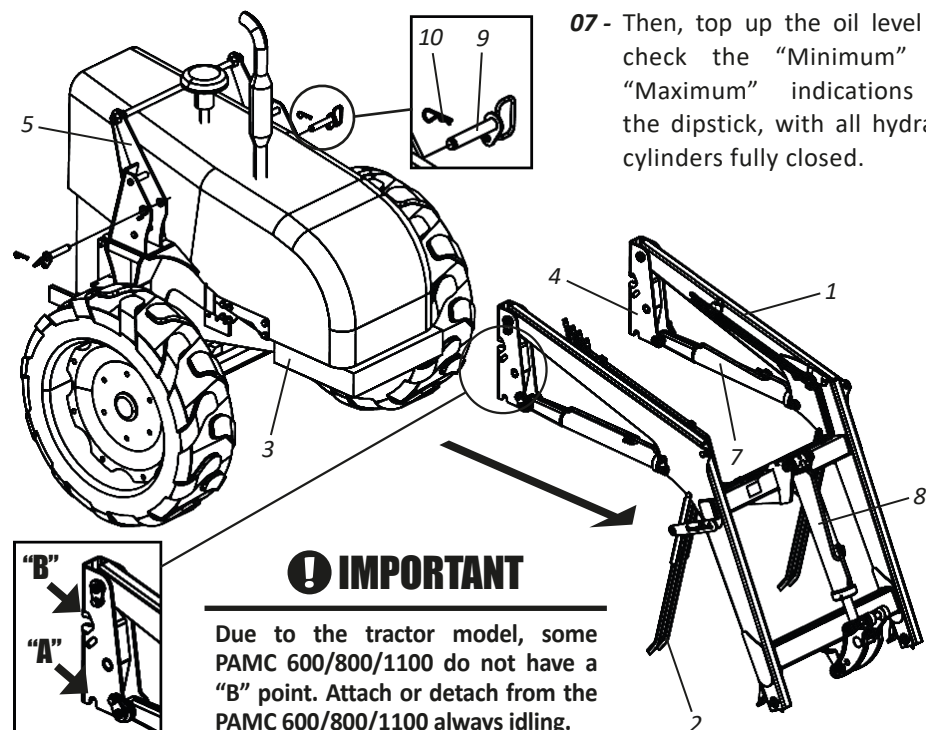
## ▪ Assembly

### • Assembling mobile support - Part I

**! ATTENTION** Before assembling the mobile support, make sure there is no person near the tractor or the PAMC 600/800/1100.

To assemble the mobile support, proceed as follows:

- 01 - Find a flat location and position the mobile support (1) using the ground support (2).
- 02 - Then, slowly bring the tractor (3) closer to the **PAMC 600/800/1100**, centering the brackets (4) of the mobile support (1) between the side frames (5).
- 03 - Next, activate the lifting cylinders (7) to tilt the bracket (4) backwards so that point "A" is first engaged on the side frames (5).
- 04 - Then, activate the tilting cylinders (8) to engage point "B".
- 05 - Next, attach the mobile support (1) to the side frames (5) using the pins (9) and locks (10).
- 06 - Then, activate the control levers, proceeding with the movement until the end of the cylinders stroke. Check now for leaks.



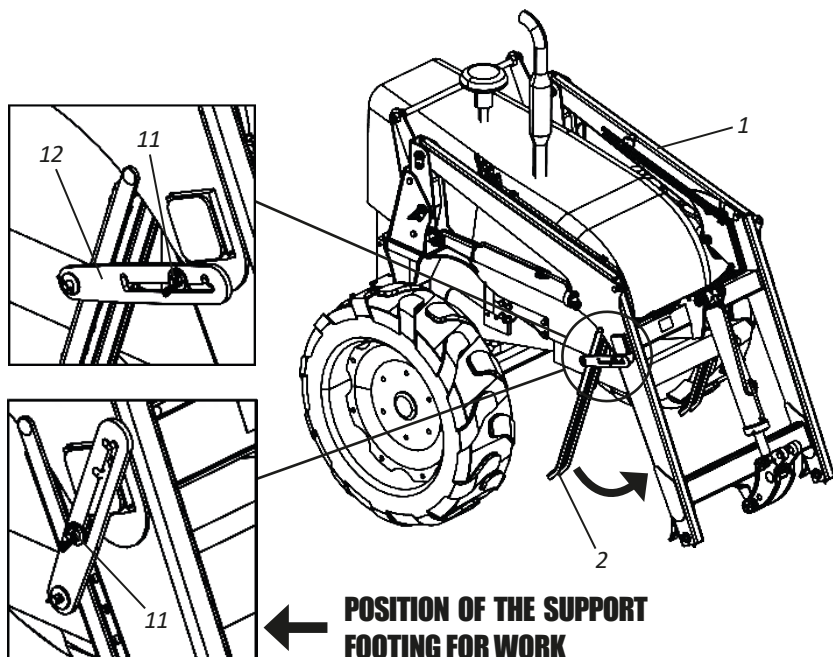
- 07 - Then, top up the oil level and check the "Minimum" and "Maximum" indications on the dipstick, with all hydraulic cylinders fully closed.

## ▪ Assembly

### • Assembling mobile support- Part II

**08** - Then, loosen wing nut (11) to unlock the support leg (2).

**09** - Then, unlock plate (12), lift the support leg (2) until touches the mobile support (1) and tighten the wing nut (11), locking it.



### **ATTENTION**

Never mix oil of different brands and do not fill oil above the level.

For the BT system (Tractor Pump), attach the hydraulic hoses to the tractor's rear outlets and for the SHB system (Baldan Hydraulic System), proceed as follows.

### **IMPORTANT**

The BT (Tractor Pump) system is recommended for tractors with hydraulic oil flow above 51 l/min at 200 rpm.

The SHB (Baldan Hydraulic System) system is recommended for tractors with hydraulic oil flow below 51l/min to provide faster movement of the shovel.

### **NOTE**

The PAMC 600/800/1100 has a support leg (2) on both sides. When lifting the support leg (2), repeat this procedure on the other side, leaving both raised in the same position.

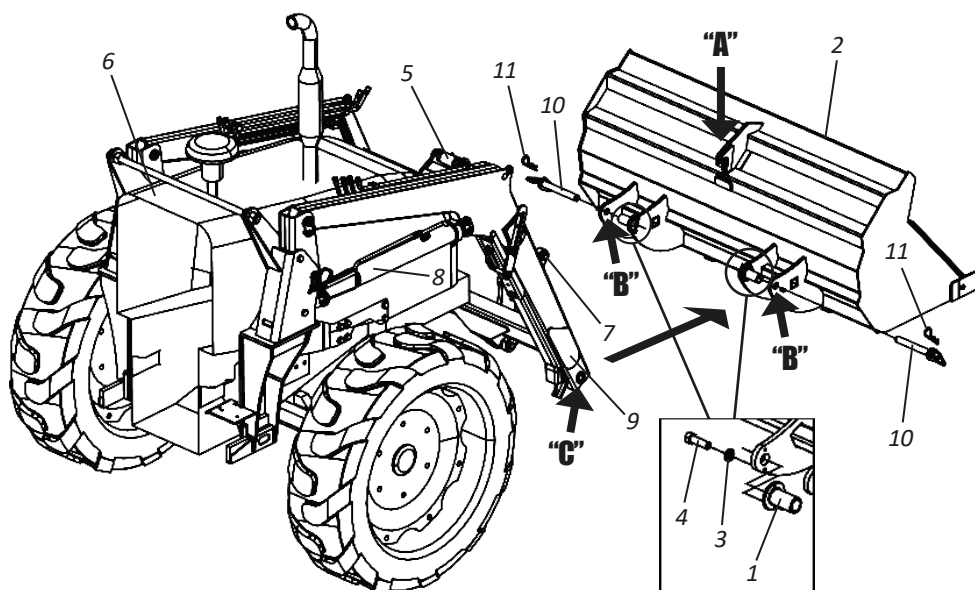


## ▪ Assembly

### • Assembling hydraulic shovel

To assemble the hydraulic shovel, proceed as follows:

- 01** - Take the pair of abutment flanges (1) that are in the packaging box and mount them on the hydraulic shovel (2) through the pressure washers (3) and screws (4).
- 02** - Then open the tipping cylinder (5), slowly bring the tractor (6) closer to the hydraulic shovel (2), gently actuate the hydraulic command lever until the joint support (7) at point "A" of the hydraulic paddle (2).
- 03** - Then, slowly activate the hydraulic cylinders (8) lifting the mobile support (9) until the hydraulic paddle (2) is suspended from the ground;
- 04** - Then close the tipping cylinder (5), check the centering of the holes "B" of the hydraulic paddle (2) with the holes "C" of the mobile support (9), place the pins (10) and locks (11) fixing it;



### **ATTENTION**

To facilitate the alignment of holes "C" and "B", adjust the stop, as instructed on page 36.

### **NOTE**

Some tractor models do not come with the abutment flanges (1) in the packaging box, as they are not necessary to couple the hydraulic shovel (2). Use the instructions above to assemble the following options: Blade, Rower and Big Bag (Winch).

## ■ Assembly

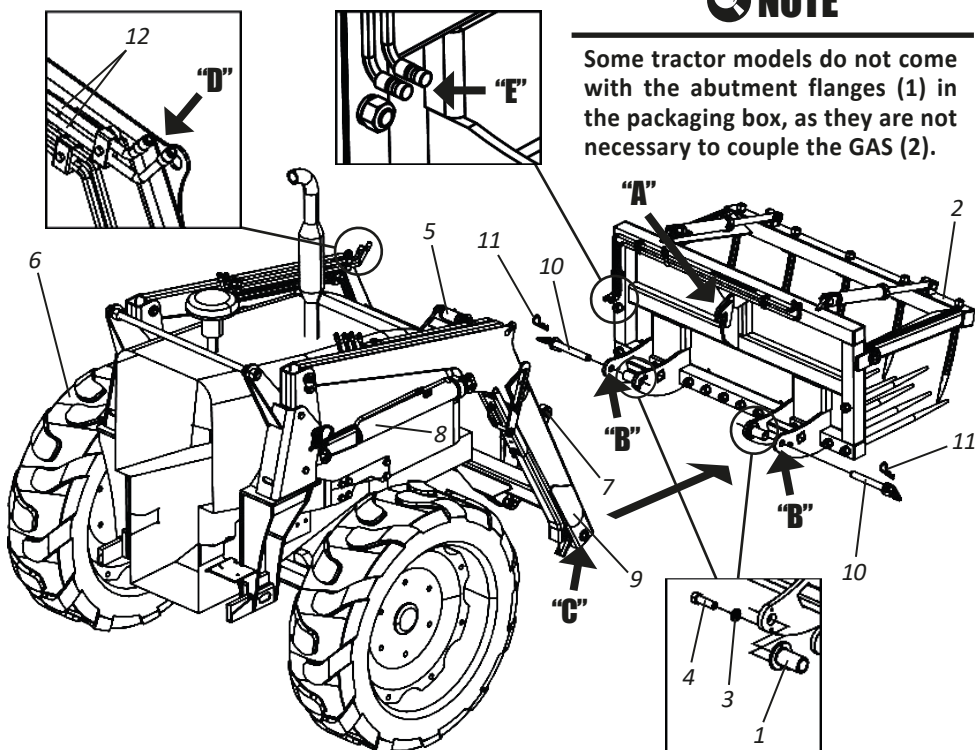
### • GAS Assembly (Sillage Fork)

To assemble the GAS (Silage Fork), proceed as follows:

- 01** - Take the pair of abutment flanges (1) that are in the packaging box and mount them on the GAS (2) through the pressure washers (3) and screws (4).
- 02** - Then open the tipping cylinder (5), slowly bring the tractor (6) closer to the GAS (2), gently actuate the hydraulic command lever until the joint support (7) at point "A" of the GAS (2).
- 03** - Then, slowly activate the hydraulic cylinders (8) lifting the mobile support (9) until the GAS (2) is suspended from the ground;
- 04** - Then close the tipping cylinder (5), check the centering of the holes "B" of the GAS (2) with the holes "C" of the mobile support (9), place the pins (10) and locks (11) fixing it;
- 05** - Finish by attaching the hydraulic hoses to the "D" points of the pipes for optional accessories (12) and to the "E" points of the GAS (2).

## NOTE

Some tractor models do not come with the abutment flanges (1) in the packaging box, as they are not necessary to couple the GAS (2).



## ▪ Adjustments

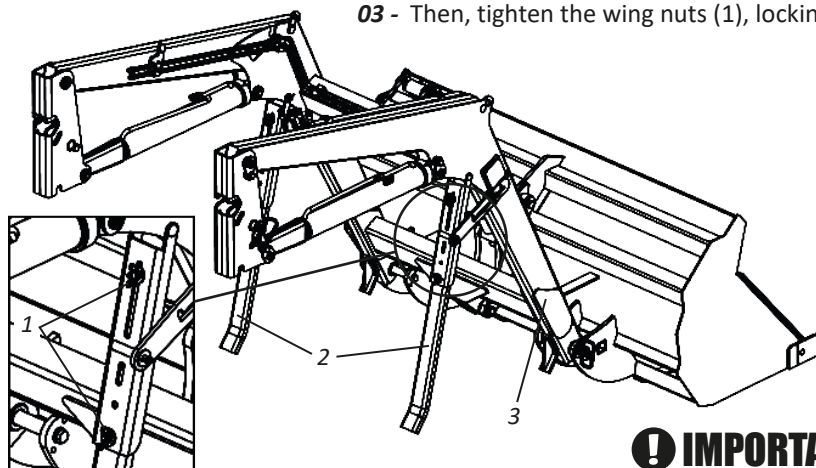
### • Adjustment of support bracket

The **PAMC 600/800/1100** has support brackets with height adjustment to better stabilize the mobile support when uncoupled from the tractor. To adjust the height of the support brackets, proceed as follows:

**01** - Loosen the wing nuts (1).

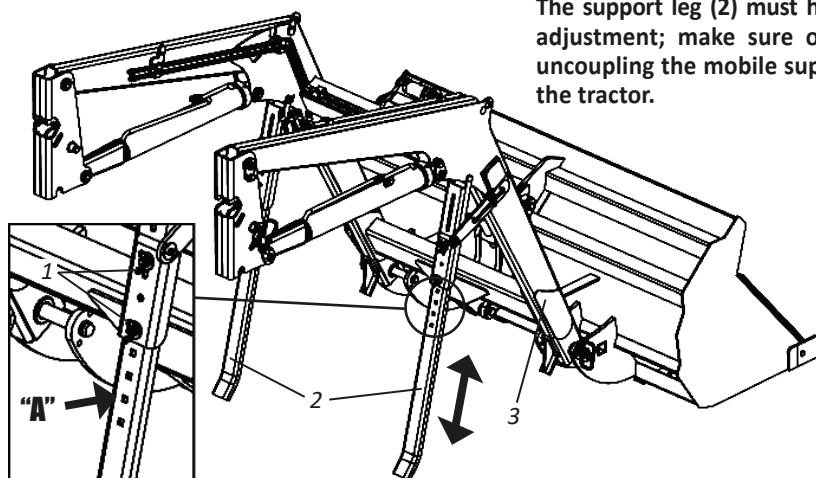
**02** - Then adjust the height of the support brackets (2) at one of the points "A" according to the model of the mobile support (3).

**03** - Then, tighten the wing nuts (1), locking them.



### **! IMPORTANT**

The support leg (2) must have the same adjustment; make sure of this before uncoupling the mobile support (3) from the tractor.



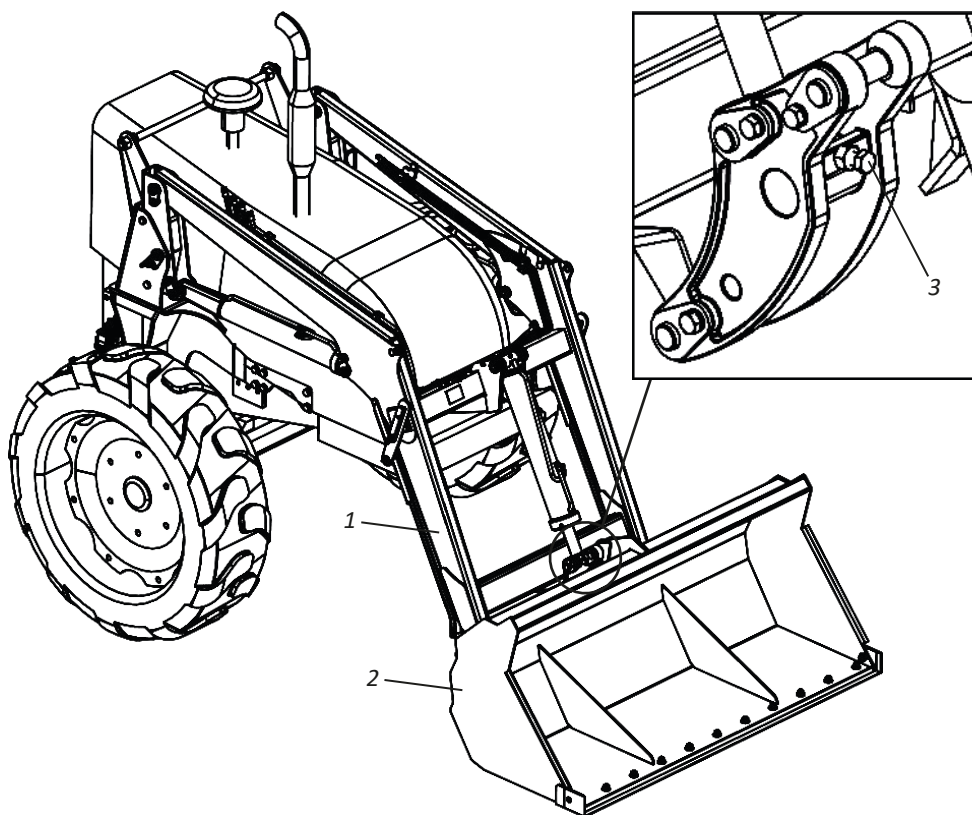
## ▪ Adjustments

### • Adjustment of knocker

To facilitate the alignment of the holes of the mobile support (1) and accessory (2) when assembling the **PAMC** for the first time, adjust the knocker, to do this, proceed as follows:

**01** - Turn the screw (3) clockwise or counterclockwise in order to better align the holes.

**02** - Then, fix the accessory according to the instructions on pages 33 and 34.



Once the knocker adjustment is made when assembling the PAMC for the first time, it will not be necessary to adjust it again when changing the accessory.

## ▪ **Adjustments**

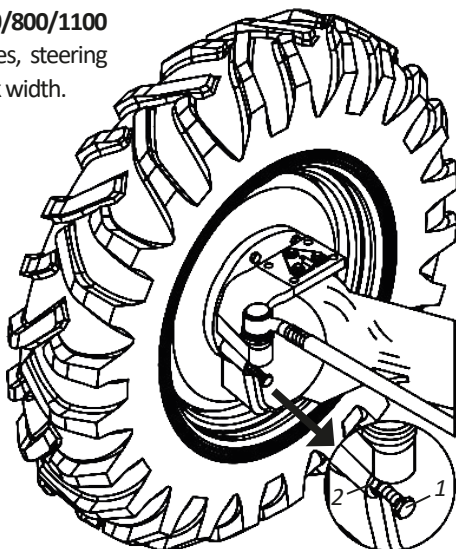
### • **Adjusting tractor track width**

When finishing the assembly of the **PAMC 600/800/1100** check the free movement of the tractor's front tires, steering completely to both sides. If necessary, adjust the track width.

### **! IMPORTANT**

If necessary, the front axle turning radius can also be changed using the adjusting screw (1) and nut.

The adjustment of the adjusting screw (1) must allow full articulation of the front axle.



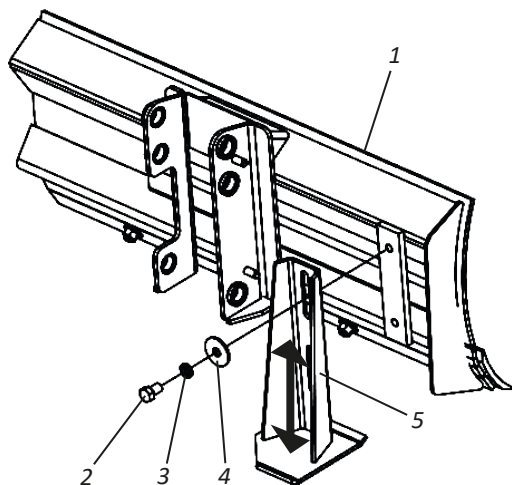
### • **Adjusting blade cutting depth**

The blade (1) can be purchased optionally with the **PAMC 600/800/1100**. To adjust the cutting depth of the blade (1), proceed as follows:

- 01** - Loosen the screws (2) spring washers (3) and flat washers (4) that secure the shoes (5) on the blade (1).
- 02** - Then, adjust the height using the shoes (5).
- 03** - Finish by tightening screws (2) spring washers (3) and flat washers (4).

### **! IMPORTANT**

The two blade shoes must have the same adjustment.



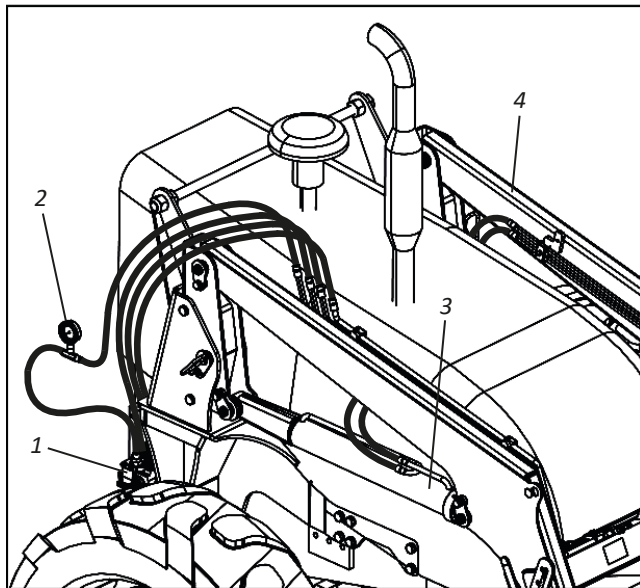
## ▪ Adjustments

### • Adjusting drive pressure

The hydraulic drive is factory set to **150 Bar** pressure;

After some time of work, when noticing that the set starts to lose strength, check the pressure again, as instructed below.

- 01** - Make sure the control levers are in the neutral position then, disconnect a hose from the drive (1).
- 02** - Then, attach a hose from the pressure gauge (2) to the drive (1) and another hose to the front of the right hydraulic cylinder (3) operate to lower the mobile support (4).



### **ATTENTION**

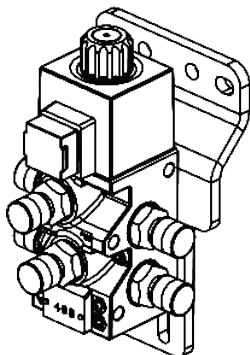
The control pressure must be adjusted by a qualified person and with the use of a pressure gauge.

- 03** - Keep the engine speed at **1500 rpm** and activate the drive lever, closing the cylinder completely; at this time, the pressure gauge will indicate the system pressure.
- 04** - If there is a need for adjustment, break the seal on the drive and remove the protective cover.
- 05** - Loosen the locknut and turn the screw half a turn clockwise.
- 06** - Activate the lever again and observe the indication on the pressure gauge with the engine accelerating to **1500 rpm**.
- 07** - Proceed with the adjustment, if necessary, turning the screw half in half a turn until reaching **150 Bar** pressure on the drive.

## ▪ Systems

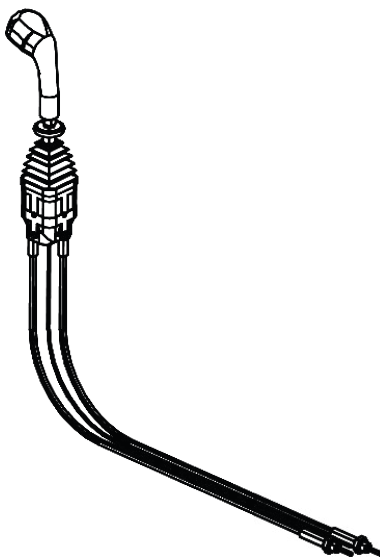
### • Electric directing valve

It increases one more stage in the hydraulic circuit without the need to change the hydraulic drive.



### • Joystick

The Joystick operation system (**optional**) allows activating all the functions of the leveler in a simple and immediate manner. To prevent unintentional movements, it is equipped with a safety lock.



## ▪ Operations

### • Recommendations for operation

- 01** - After the first day of work with the **PAMC 600/800/1100**, retighten all screws and nuts, check the condition of the pins and locks. Afterwards, retighten all screws and nuts every 10 hours of work.
- 02** - When operating with the **PAMC 600/800/1100**, try not to use the front wheel.
- 03** - Maintain travel speed compatible with operation and job site.
- 04** - Do not detach any hose without first relieving the circuit pressure. To this end, operate the control levers a few times with the engine off.
- 05** - Attach to the tractor always at idle speed and very carefully.
- 06** - The **PAMC 600/800/1100** is not designed for logging services.
- 07** - When the **PAMC 600/800/1100** is equipped with the GAS (Silage Fork), remove the silage from top to bottom, moving the hydraulic cylinder until the silage is released.
- 08** - Never use front equipment to brake the tractor at speed.
- 09** - When not operating the **PAMC 600/800/1100** always keep it well supported on the ground.
- 10** - When carrying out any maintenance on the **PAMC 600/800/1100** it must be lowered to the ground and the engine turned off.
- 11** - When operating the **PAMC 600/800/1100** attached to the WINCH, do not exceed the load capacity of 1000 kg. Ignoring this warning could cause serious accidents or equipment damage.
- 12** - Keep the drive pressure set between 150 and 160 bar.

If you have any doubts, please do not operate or handle the PAMC 600/800/1100, contact the After Sales.  
Phone: 0800-152577 / E-mail: posvenda@baldan.com.br



## ▪ Operations

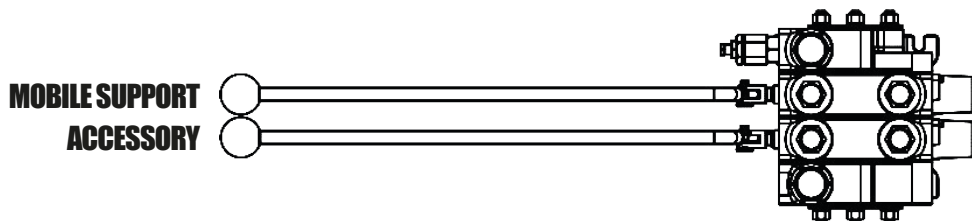
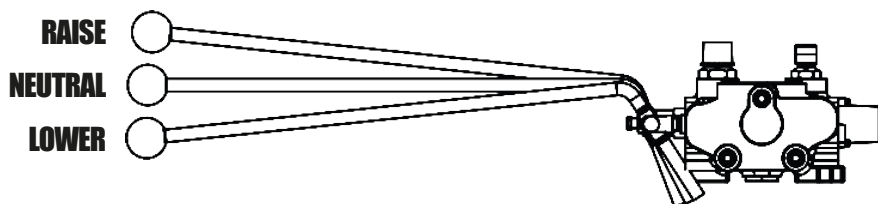
### • Drive operations

Drive for SHB and BT is easy to handle, has two (2) or three (3) levers with three (3) types of positioning: **neutral**, **raise** and **lower** the accessory.

The speed for raising or lowering the equipment can be controlled by operating the lever. Releasing the control lever in any position, during the raising or lowering movement, will return the lever to the neutral position and the equipment will remain in the position it was in when the lever was released.

The levers have simple functions, where one moves the mobile support upwards or downwards and the other moves the accessories fixed to the mobile support.

If there are more components, the three way drive with 3 levers is necessary, where the third handles the movement of the accessory with more components.

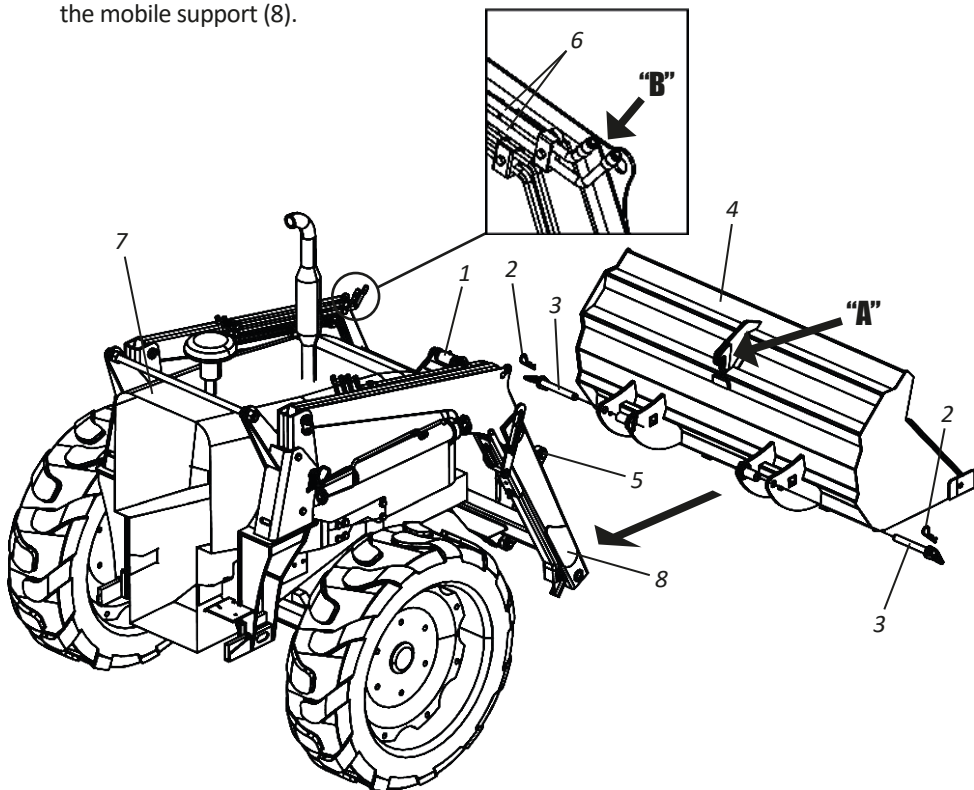


## ■ Operations

### • Optional accessory exchange system - Part I

The **PAMC 600/800/1100** is a modular equipment with several optional accessories, all with a coupling system in the structure. To exchange optional accessories, proceed as follows:

- 01** - Fully collect the tipping cylinder (1).
- 02** - Then, release the locks (2) and remove the pins (3) on both sides.
- 03** - Then, lower the hydraulic shovel (4) until it rests on the ground.
- 04** - Then, gently actuate the hydraulic command lever to open the tipping cylinder (1) until the articulation support (5) detaches from point "A" of the hydraulic shovel (4).
- 05** - Then, in the optional accessory (**GAS**) that has hydraulic hoses, turn off the engine, activate the levers a few times to remove the oil pressure from the system and uncouple the hydraulic hoses from the "B" points of the pipes for optional accessories (6).
- 06** - Then, slowly in reverse, move the tractor (7) away from the hydraulic shovel (4) from the mobile support (8).



## ▪ Operations

### • Optional accessory exchange system - Part II

**07** - Then take the pair of thrust flanges (9) from the packing box and mount them to the blade (10) through the spring washers (11) and screws (12).

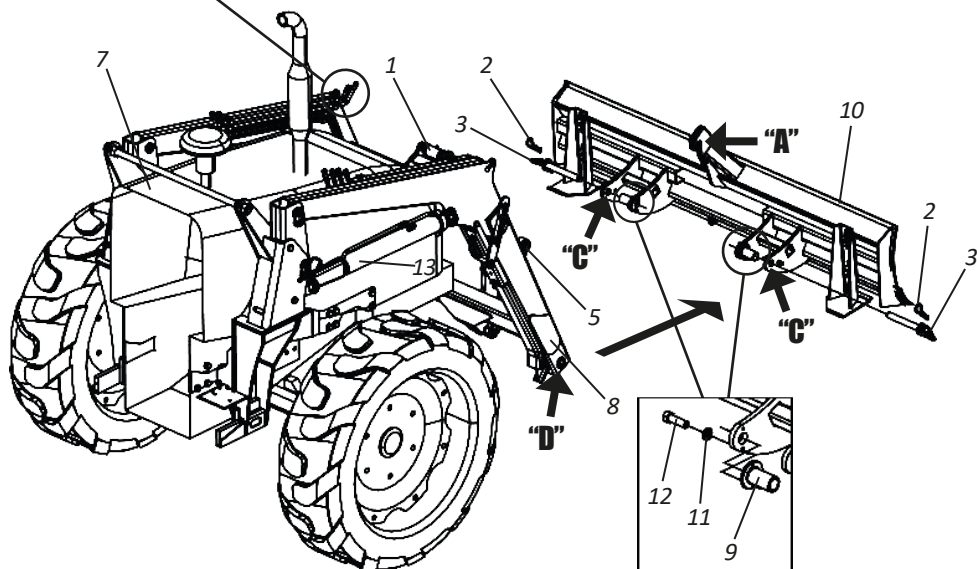
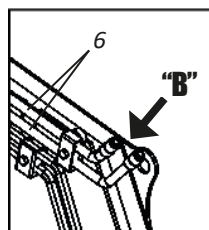
**08** - Then, open the tipping cylinder (1) and slowly bring the tractor (7) closer to the blade (10).

**09** - Then, gently actuate the hydraulic command lever until the articulation support (5) fits at point "A" of the blade (10).

**10** - Then, slowly activate the hydraulic cylinders (13) lifting the mobile support (8) until the blade (10) is suspended from the ground;

**11** - Then close the tipping cylinder (1), check the centering of the holes "C" of the blade (10) with the holes "D" of the mobile support (8), place the pins (3) and locks (2), securing-it;

**12** - After fixing the locks (2), in the optional accessory (GAS) that has hydraulic hoses, fix them at point "B" of the pipes for optional accessories (6).



### **ATTENTION**

When replacing the optional accessories, do not allow people to be near the attachment or detachment area. Ignoring this warning may cause serious accidents or even death.

### **NOTE**

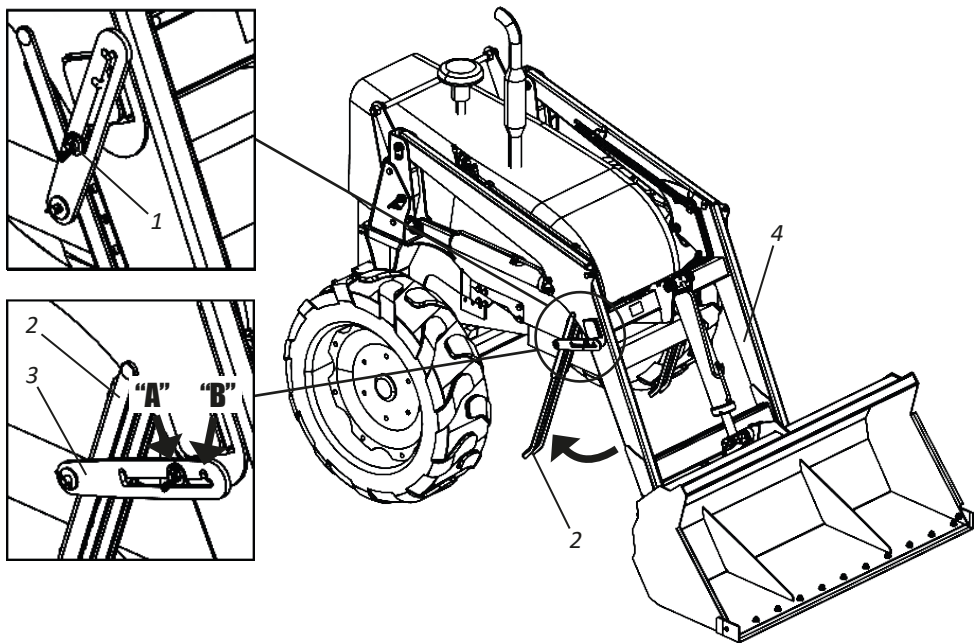
Some tractor models do not come with the abutment flanges (9) in the packaging box, as they are not necessary to couple the blade (10).

## ■ Operations

### • Detaching from tractor - Part I

To remove **PAMC 600/800/1100**, proceed as follows:

- 01** - Look for a flat location and properly support the **PAMC 600/800/1100** on the ground.
- 02** - Then, loosen the wing nut (1) to unlock the support leg (2).
- 03** - Then, lower the support leg (2) and tighten the wing nut (1) to lock it again.
- 04** - Then, turn off the engine, operate the levers a few times to remove oil pressure from the system and disconnect the hydraulic hoses from the hydraulic command.



## ! IMPORTANT

The plate (3) has 2 adjustment points "A" and "B". When lowering the support leg (2), choose the setting that best stabilizes the support bracket (4).

## NOTE

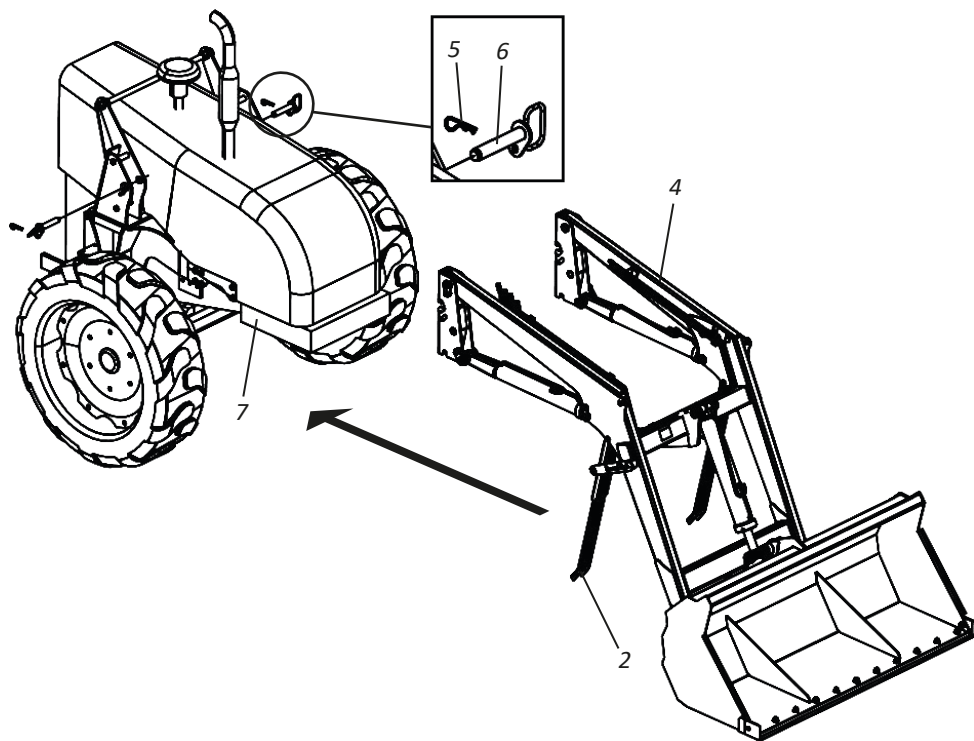
The PAMC 600/800/1100 has a support leg (2) on both sides. When lowering the support leg (2), repeat this procedure on the other side, leaving both lowered in the same position.

## ■ Operations

### • Detaching from tractor - Part II

**05** - Then, release the locks (5) and remove the pins (6).

**06** - Next, slowly move the tractor (7) in reverse away from the mobile support (4).



## **ATTENTION**

Before detaching the tractor (7) from the mobile support (4), adjust the height adjustment of the support bracket (2) as instructed on page 35.

When replacing the optional accessories, do not allow people to be near the attachment or detachment area. Ignoring this warning may cause serious accidents or even death.

## **NOTE**

To reattach the PAMC 600/800/1100 to the tractor (7), reverse the detaching instructions.

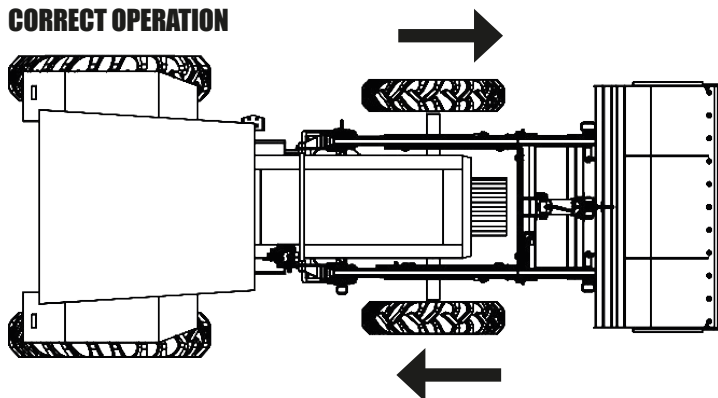
## ▪ Operations

- Operational care

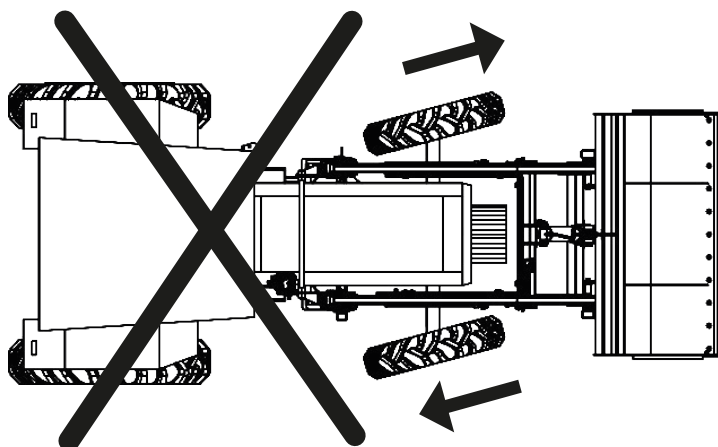
### TRACTOR - PART I

Do not move the tractor sideways while pulling, loading the shovel, or using other accessories. Always move forwards and backwards, avoiding exaggerated efforts in front traction and torsions in the frame.

#### CORRECT OPERATION



#### WRONG OPERATION

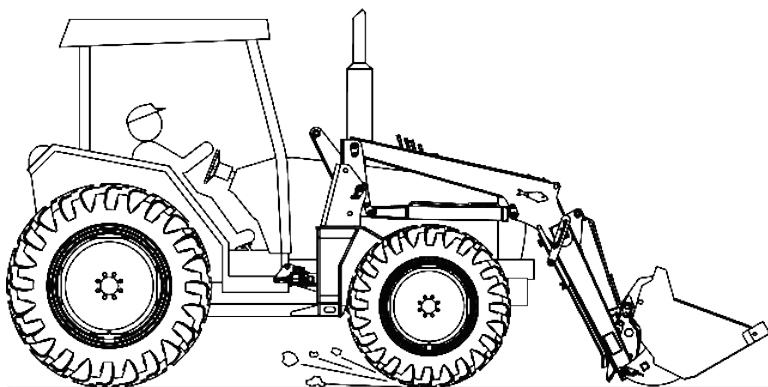


## ▪ Operations

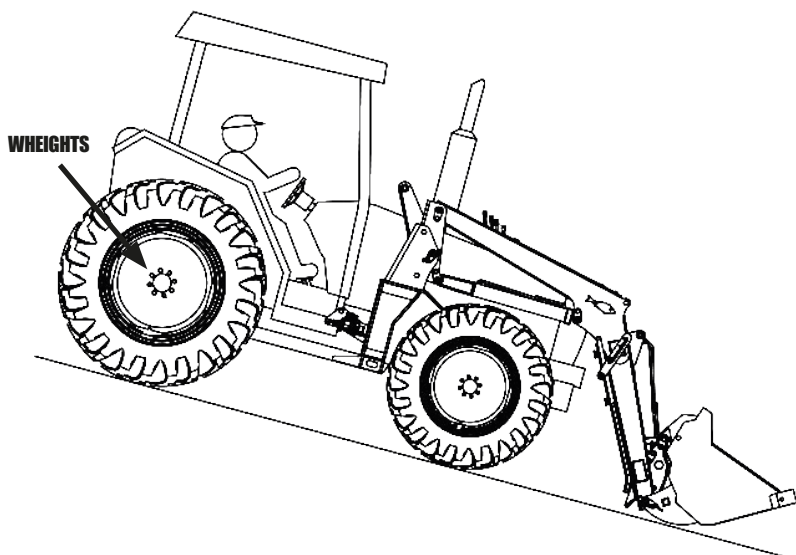
- Operational care

### **TRACTOR - PART II**

When working with the **PAMC 600/800/1100**, avoid using the tractor's front traction, as if activated, it may damage its frame and even the tractor traction.



When moving the **PAMC 600/800/1100** on steep terrain, to improve stability, it may be necessary to place additional weights on the rear of the tractor. This procedure can prevent the loss of traction on the rear wheels and the tractor overturning.

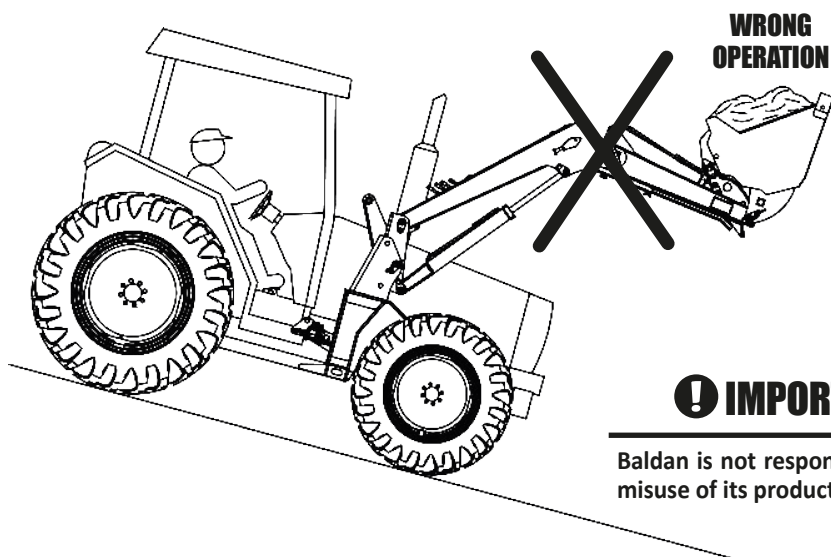
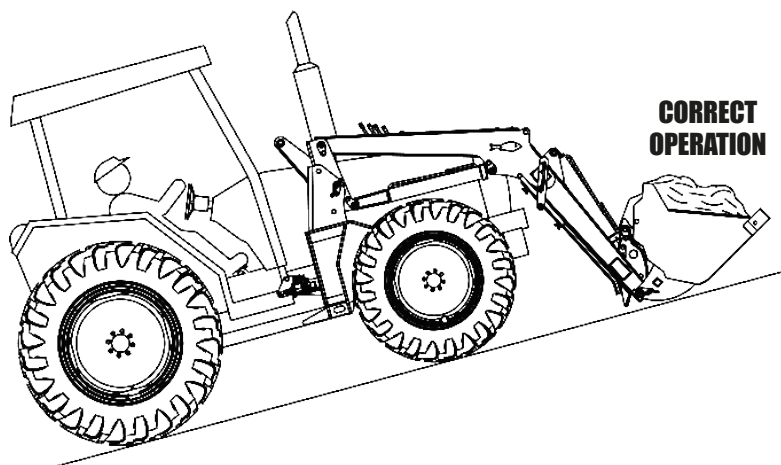


## ■ Operations

- Correct use

### FRONT LOADER - PART I

When climbing or descending steep terrain with the **PAMC 600/800/1100** attached to the **FRONT LOADER**, make it always face the upper part of the slope, thus ensuring the stability of the machine and the safety of the operation.



### ! IMPORTANT

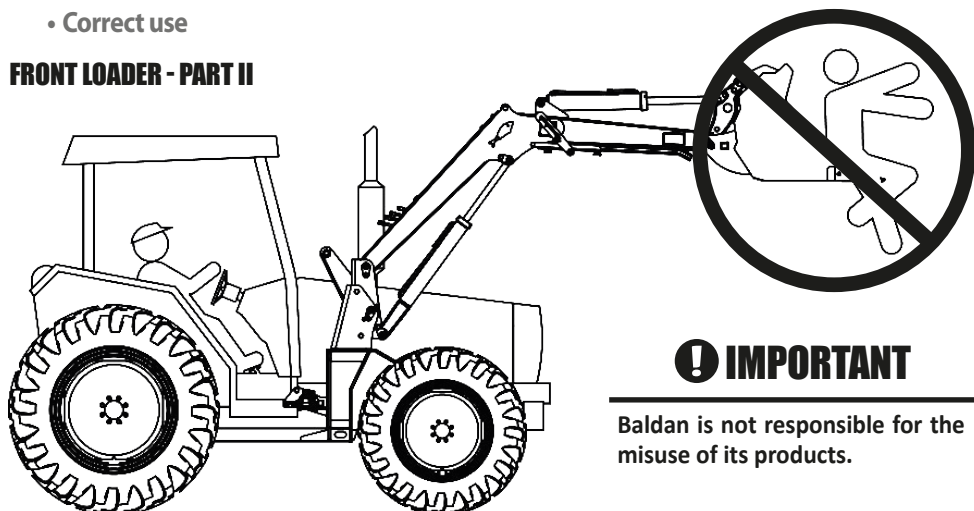
Baldan is not responsible for the misuse of its products.



## ▪ Operations

- Correct use

### FRONT LOADER - PART II



### ❗ IMPORTANT

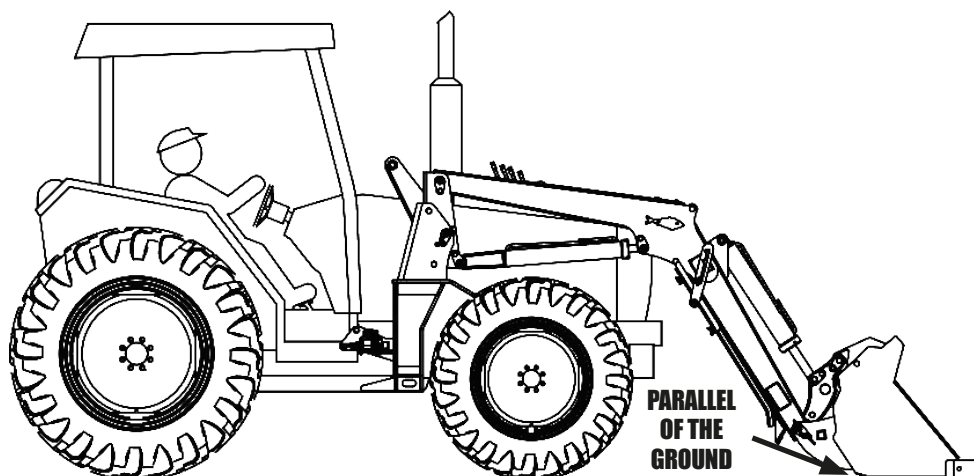
Baldan is not responsible for the misuse of its products.



### ATTENTION

Do not use the **HYDRAULIC SHOVEL** to lift or suspend people. Ignoring this warning could lead to serious accidents or even death.

When operating the **FRONT LOADER**, keep it parallel to the ground, with a sufficient angle to scrape it, without cutting or touching the bottom of the **FRONT LOADER** to the ground.

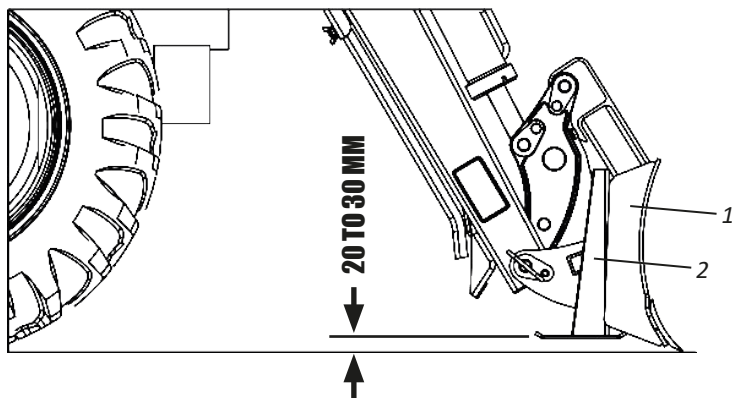


## ■ Operations

- Correct use

### FRONT BLADE

When operating the **PAMC 600/800/1100** with the **FRONT BLADE** (1) attached, make sure the shoes (2) are 20 to 30 mm from the ground.



## ATTENTION

Incorrect use of the shovel or blade can damage the structure of the PAMC 600/800/1100. E.g.: Work only with the tip of the shovel or blade in contact with the ground when removing materials.



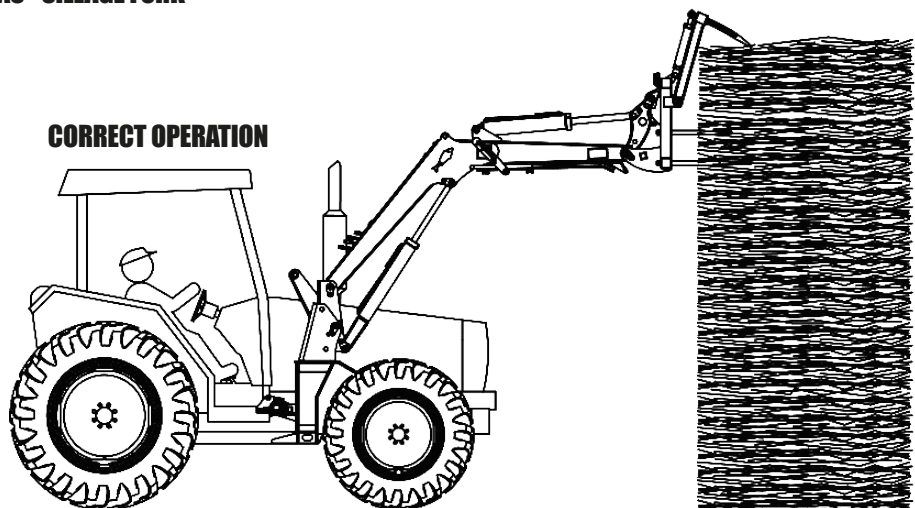
## NOTE

To adjust the cutting depth of the blade (1), proceed as instructed on page 37.

## ▪ Operations

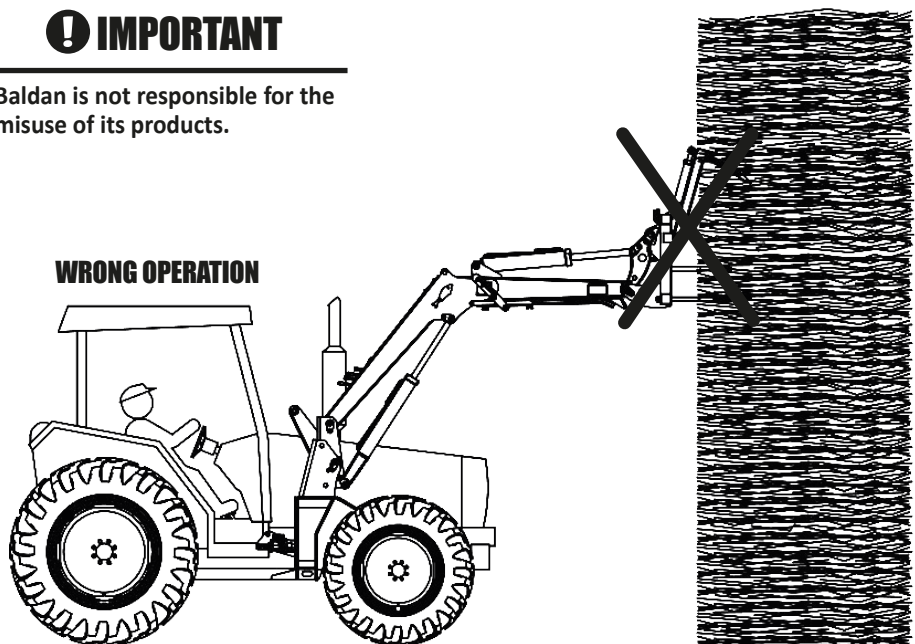
- Correct use

### **GAS - SILLAGE FORK**



## **! IMPORTANT**

Baldan is not responsible for the misuse of its products.



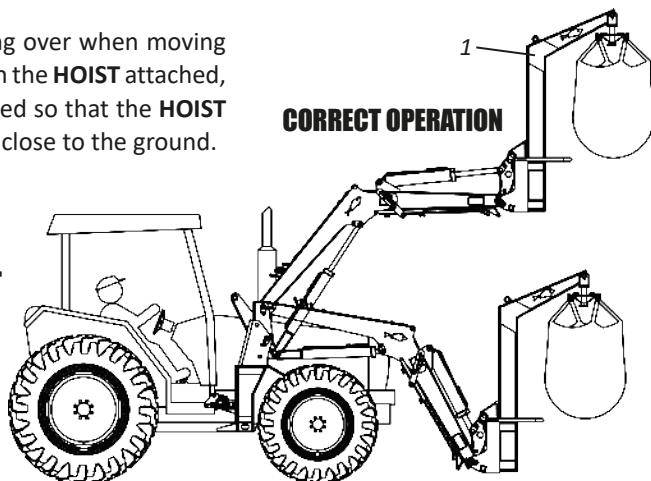
## ■ Operations

- Correct use

### BIG BAG - HOIST

To avoid the risk of tipping over when moving the **PAMC 600/800/1100** with the **HOIST** attached, keep the bracket fully retracted so that the **HOIST** rests against the bracket and close to the ground.

**CORRECT OPERATION**



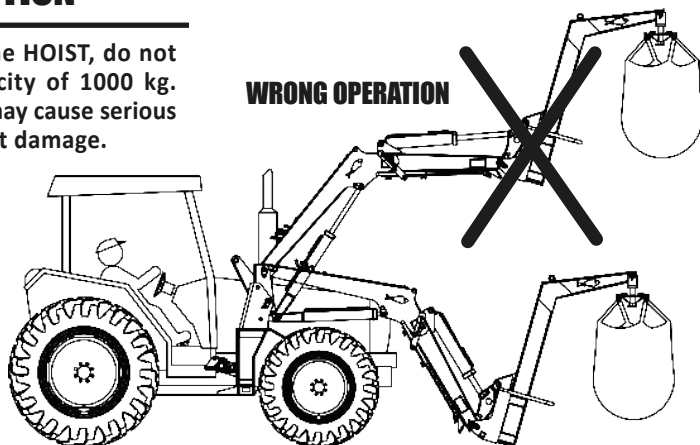
## ! IMPORTANT

Baldan is not responsible for the misuse of its products.

## ! ATTENTION

When working with the **HOIST**, do not exceed the load capacity of 1000 kg. Ignoring this warning may cause serious accidents or equipment damage.

**WRONG OPERATION**



## NOTE

When lifting the **HOIST** to supply trucks or seeders, always look for flat ground and open the bracket as little as possible (1) as the further the **HOIST** is away from the tractor, the greater the risk of tipping and strain on the front axle, which may also cause structural damage to the **PAMC 600/800/1100** and particularly to the hydraulic cylinders.

## ▪ Maintenance

The **PAMC 600/800/1100** has been developed to provide you with maximum yield under terrain conditions. Experience has shown that periodic maintenance of certain parts of the **PAMC 600/800/1100** is the best way to help you to avoid any issues. Accordingly, following this recommendation is encouraged.



### ATTENTION

Check the nuts and bolts on a regular basis and retighten them, if necessary. The general tightening maintenance of the equipment must be carried out every 10 hours of work.

## • Lubrication

Lubrication is critical for proper performance and greater durability of the moving parts of the **PAMC 600/800/1100** contributing to saving maintenance costs.

Before operating, carefully lubricate all grease fittings, always observing the lubrication intervals on the next page. Ensure the quality of the lubricant, regarding its efficiency and purity, avoiding using products contaminated by water, earth and other agents.

## • Table of greases and equivalents

Manufacturer	Recommended grease types
Petrobrás	Lubrax GMA-2
Atlantic	Litholine MP 2
Ipiranga	Ipiflex 2
Castrol	LM 2
Mobil	Grease MP
Texaco	Marfak 2
Shell	Alvania EP 2
Esso	Multi H
Bardahl	Maxlub APG-2EP
Valvoline	Palladium MP-2
Petrónas	Tutela Jota MP 2 EP
	Tutela Alfa 2K
	Tutela KP 2K

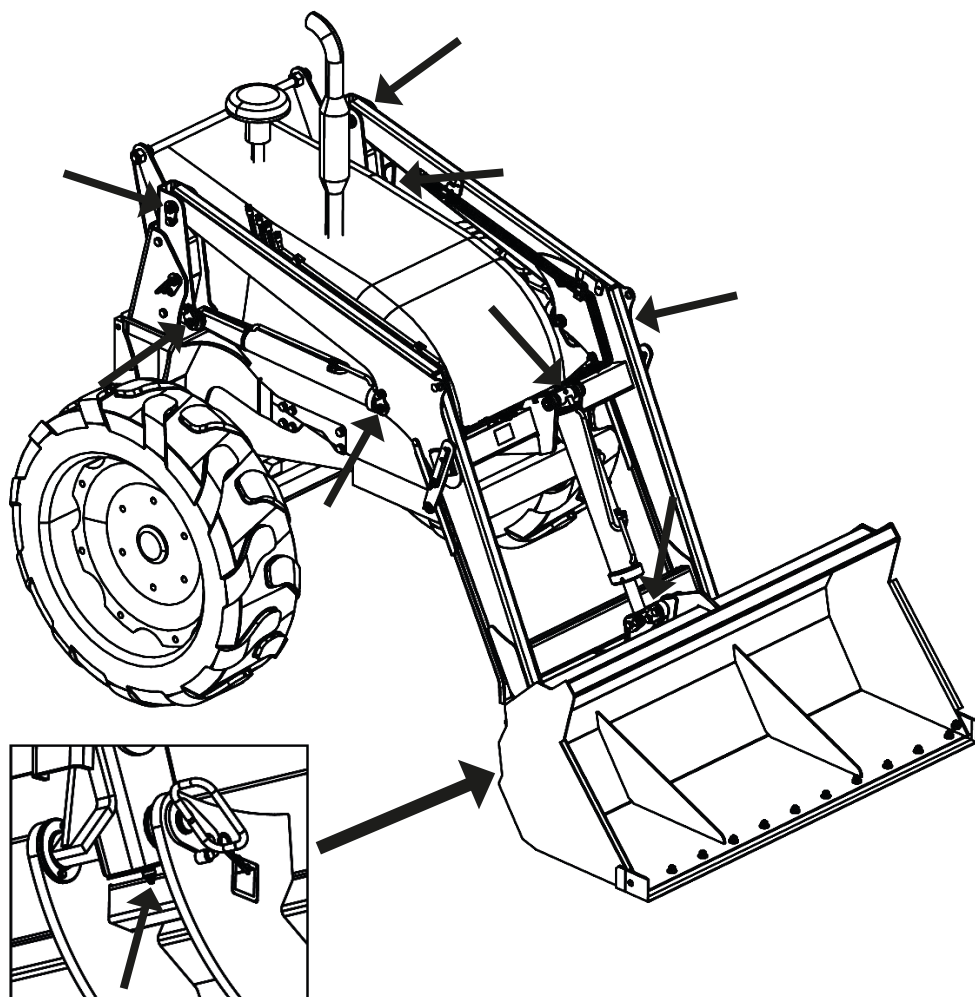


### ATTENTION

For manufacturers and/or equivalent brands not listed in the table, check the manufacturer's technical manual.

## ▪ Maintenance

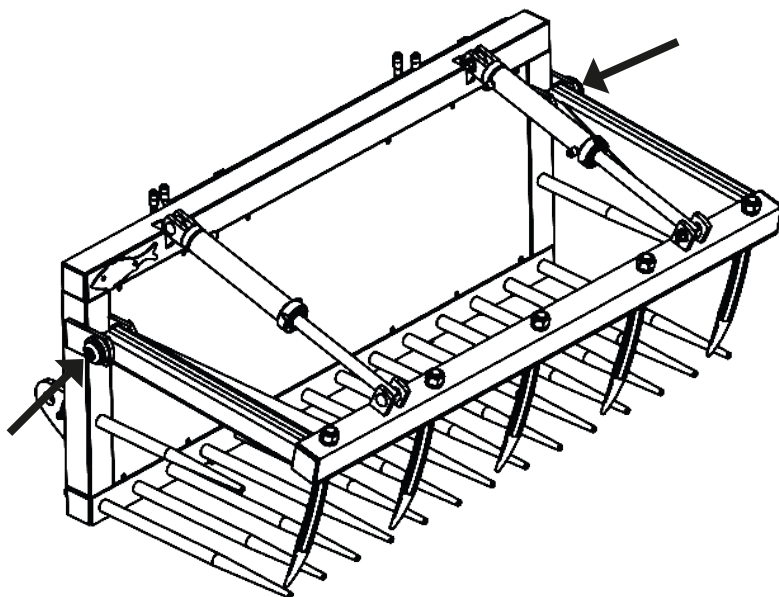
- Lubricate every 10 hours of work



When lubricating the PAMC 600/800/1100 or its accessories, do not exceed the amount of new grease. Insert a sufficient amount.

## ▪ Maintenance

- Lubricate every 10 hours of work



### **ATTENTION**

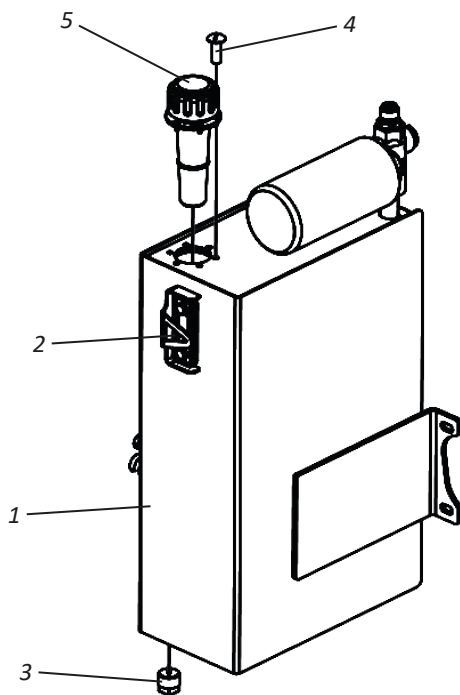
When lubricating the PAMC 600/800/1100 or its accessories, do not exceed the amount of new grease. Insert a sufficient amount.

## ■ Maintenance

### • Changing oil and return filter for SHB models

To adjust the drive pressure, proceed as follows:

- 01** - Fill the oil tank (1) and check the level indicated on the sight glass (2); check your **PAMC 600/800/1100** tank model to fill in the correct amount of oil.
- 02** - Always use **Tellus 68 oil** of proven quality to **ISO VG 68**.
- 03** - Oil level should be checked on a daily basis with hydraulic cylinders fully retracted.
- 04** - Maintain the medium level indicated on the sight glass (2) of the oil tank (1).
- 05** - The first change of oil and oil filter must be carried out after **50 hours** of work; then, change the oil and oil filter every **300 hours**.
- 06** - Drain all the oil into the oil tank (1). To this end, fully activate the cylinders by opening them.
- 07** - Turn off the engine, activate the levers, letting the equipment move slowly by gravity, closing the hydraulic cylinders.
- 08** - Loosen the plug (3) and drain all the oil, collecting it in a suitable container.
- 09** - At this moment, loosen the screws (4) and remove the return filter (5), turning it counterclockwise manually.
- 10** - Apply a film of oil on the seal of the new filter and assemble it.
- 11** - Replace the plug (3) and fill with good quality oil.
- 12** - Tank capacity: 45 to 70 liters; hydraulic system capacity: 10 liters (approximately); total 55 or 80 liters.
- 13** - Always check the oil level.



## ATTENTION

Never start the engine when changing oil.



## ▪ Maintenance

### • Bleeding hydraulic system

When starting up for the first time and after each oil change, the **PAMC 600/800/1100** must only be loaded after removing all the air from the system, that is, after bleeding, as instructed below:

**01** - Check the oil level.

**02** - Put the control lever in neutral position, start the engine for a few minutes at idle.

**03** - Accelerate the engine up to **1300 rpm** (revolution per minute) and actuate the equipment control lever from neutral to the 2 ends alternately, placing the hydraulic cylinder rods outwards and inwards, but without reaching the stroke maximum.

**04** - After 15 minutes of bleeding, fully retract the hydraulic cylinder rods and top up the oil level.

**05** - When bleeding is carried out properly, there will be no noise in the hydraulic system, no foaming in the oil and the rods will work smoothly.

### • Hydraulic system for BT models

- Maintain the hydraulic system as instructed in the tractor manual.

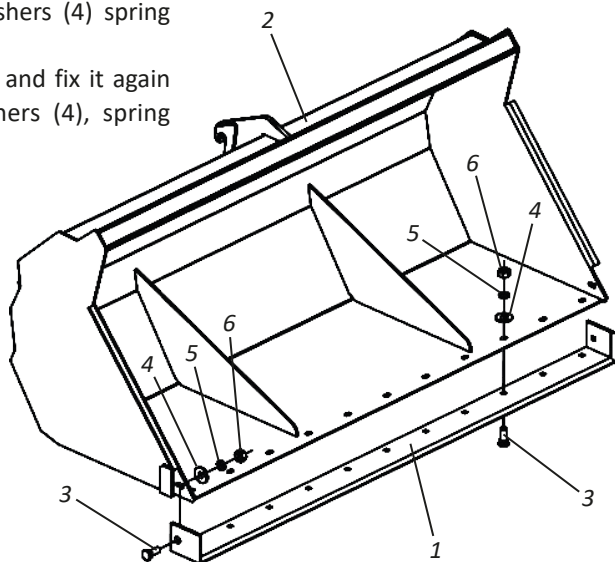
- Never use oil of different brands.

## ■ Maintenance

### • Front loader (Optional)

When wearing the edge (1) of the front loader (2), replace it. Proceed as follows:

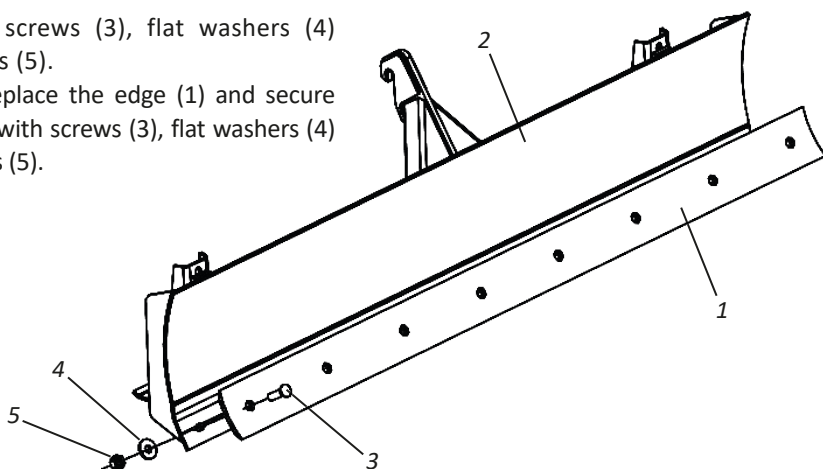
- 01** - Loosen screws (3) flat washers (4) spring washers (5) and nuts (6).
- 02** - Then, replace the edge (1) and fix it again with screws (3), flat washers (4), spring washers (5) and nuts (6).



### • Front Blade (Optional)

When wearing the edge (1) of the front blade (2), replace it. Proceed as follows:

- 01** - Loosen screws (3), flat washers (4) and nuts (5).
- 02** - Then, replace the edge (1) and secure it again with screws (3), flat washers (4) and nuts (5).



## ▪ Maintenance

### • Operational Maintenance - Part I

PROBLEMS	PROBABLE CAUSES	SOLUTIONS
Equipment moves slowly, showing loss of power.	Oil level too low.	Top up the oil level.
	Hydraulic cylinders with internal leaks.	Exchange repairs. Check for damaged sleeve. Replace hydraulic cylinders.
Equipment has no power.	Low pressure.	Adjust the drive pressure between 140 and 160 bar.
Leak in hydraulic hoses.	Sealing material on the screw thread is missing.	Use thread sealant tape and retighten carefully.
	Insufficient tightening.	Retighten carefully.
	Damaged repairs.	Replace terminals.
Leak in quick couplers.	Insufficient tightening.	Retighten carefully without excess.
	Damaged repairs.	Replace repairs.
Equipment does not move.	Inverted hoses.	Fit hoses correctly.
Quick couplers do not couple.	Couplings of different brands.	Use couplings of the same brand.
	Mixture of needle couplings with ball couplings.	Always use couplings of the same type.
	System pressure.	Relieve pressure to couple.
Equipment moves without activating the control levers.	Hydraulic cylinders or drives with damaged repairs.	Identify faulty cylinder and replace the repairs.

## ■ Maintenance

### • Operational Maintenance - Part II

PROBLEMS	PROBABLE CAUSES	SOLUTIONS
Leaking hydraulic cylinder.	Cylinder damaged.	Replace cylinder.
	Damaged rod.	Replace rod.
	Oil with impurities.	Replace oil, repairs and filter element.
	Drive pressure above recommended.	Regulate the drive through the relief valve using a pressure gauge. Drive pressure at 150 bar.

### • Care

- 01** - Before each task, check the condition of all hoses, pins and screws. If necessary, retighten them.
- 02** - Travel speed must be carefully controlled according to terrain conditions.
- 03** - The **PAMC 600/800/1100** is used in several applications, requiring knowledge and attention during its handling.
- 04** - Only local conditions will be able to determine the best form to operate the **PAMC 600/800/1100**.
- 05** - When assembling or disassembling any part of the **PAMC 600/800/1100**, use suitable methods and tools.
- 06** - Carefully observe the lubrication intervals at the various **PAMC 600/800/1100** lubrication points.
- 07** - Always check if the parts are worn. If replacement is required, always require genuine Baldan parts.



Proper and periodic maintenance is necessary to ensure the long life of the PAMC 600/800/1100.

## ▪ **Maintenance**

### • **General cleaning**

- 01** - Before storing the **PAMC 600/800/1100**, perform a general cleaning and wash it thoroughly with water only. Check that the paint has not worn out if it has, apply a general coat, apply protective oil and lubricate the **PAMC 600/800/1100** fully.
- 02** - Fully lubricate the shovel. Check all the moving parts of the **PAMC 600/800/1100** if they are worn or loose, make the necessary adjustment or replace the parts, leaving the shovel ready for the next task.
- 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, lint free cloth **(do not use rag)**.
- 04** - Replace all decals, particularly warning decals that are damaged or missing. Make everyone aware of their importance and the dangers of accidents when instructions are not followed.
- 05** - After all maintenance precautions, store your **PAMC 600/800/1100** in a flat surface, covered and dry place, away from animals and children.
- 06** - We recommend washing the **PAMC 600/800/1100** only with water at the start of work.



### **ATTENTION**

Do not use chemicals to wash the **PAMC 600/800/1100**, as this could damage its paintwork.

### • **Conservation of the PAMC 600/800/1100 - Part I**

To extend the life and appearance of the **PAMC 600/800/1100** longer, please follow the instructions below:

- 01** - Wash and clean all **PAMC 600/800/1100** components during and at the end of the working season.
- 02** - Use neutral products to clean the **PAMC 600/800/1100**, following the safety and handling guidelines provided by the manufacturer.
- 03** - Always perform maintenance within the periods indicated in this manual.

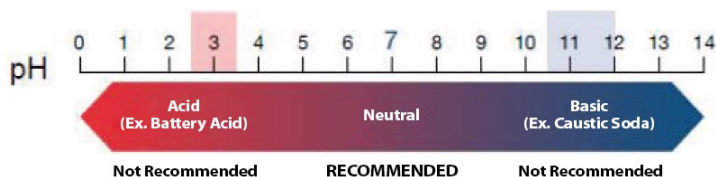
### • **Conservation of the PAMC 600/800/1100 - Part II**

The practices and precautions below, if adopted by the owner or operator, make a difference to the conservation of the **PAMC 600/800/1100**.

- 01** - Be careful when performing high pressure washing;

## ■ Maintenance

- 02 - Use only NEUTRAL detergent and water (pH equal to 7);
- 03 - Apply the product, following the manufacturer's instructions strictly, on the wet surface and in the correct sequence, respecting the time of application and washing;
- 04 - Stains and dirt not removed with the products should be removed with the aid of a sponge.
- 05 - Rinse the machine with clean water to remove any chemical residues.
- 06 - Do not use: - **Detergents with acid active ingredient (pH less than 7), act as stripper/remover of zinc coating (the protection of parts against oxidation).**



- 07 - Allow the machine to dry in the shade so that it does not accumulate water in its components. Very fast drying can cause stains on your paint.
- 08 - After drying, lubricate all chains and greases according to the recommendations in the operator's manual.
- 09 - Spray all the machine, especially the zinc parts, with protective oil, following the manufacturer's application guidelines. The protective also prevents dirt from adhering to the machine, facilitating subsequent washings.
- 10 - Observe curing (absorption) time and application intervals as recommended by the manufacturer.

**⚠ ATTENTION** | Do not use any other type of oil to protect the PAMC 600/800/1100 (used hydraulic oil, "burnt" oil, diesel oil, castor oil, kerosene, etc.).

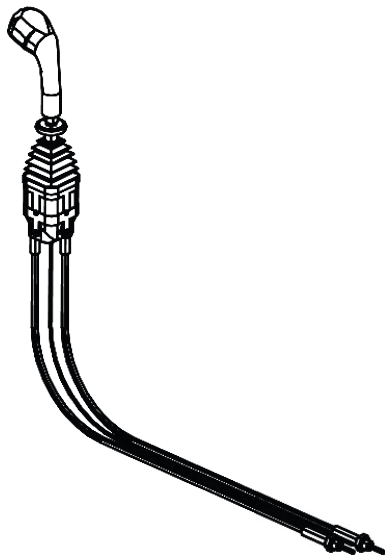
**! IMPORTANT** | We recommend the following protective oils:  
 - Bardahl: Agro protective 200 or 300  
 - ITWChemical: Zoxol DW - Series 4000

**🔍 NOTE** | Ignoring the conservation measures mentioned above may result in the loss of warranty for painted or zinc-coated components which may exhibit oxidation (rust).

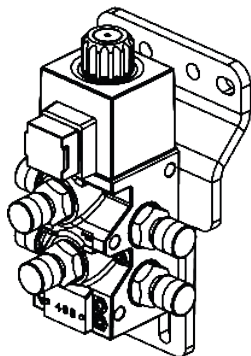
## ▪ Optional

### • Optional Systems

The **PAMC 600/800/1100** has optional accessories that can be purchased according to the work needs.



**JOYSTICK**

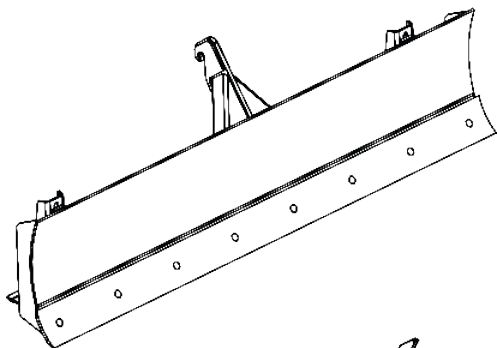


**ELECTRIC DIRECTING VALVE**

## ▪ Optional

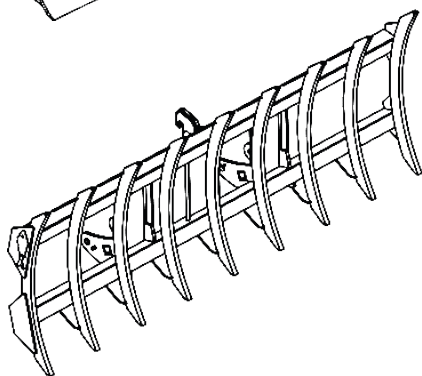
### • Optional accessories - Part I

The **PAMC 600/800/1100** has options that can be purchased according to the needs of the work.



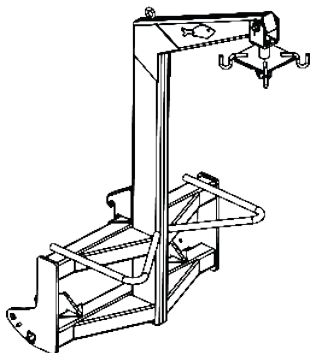
### FRONT BLADE

Model	Width (mm)	Height (mm)	Weight (kg)
PAMC 600	2150	430	190
	2400	510	275
PAMC 800	2400	510	275
	2600	510	305
PAMC 1100	2400	510	275
	2600	510	305



### FORK

Model	Width (mm)	Tynes	Weight (kg)
PAMC 600/800	2300 / 2625	8 / 9	270 / 320
	2625	11	332
PAMC 1100	3175	13	492



### BIG BAG - HOIST

Model	Width (mm)	Capacity (kg)	Weight (kg)
PAMC 600	1100	1000	177
PAMC 800			
PAMC 1100			

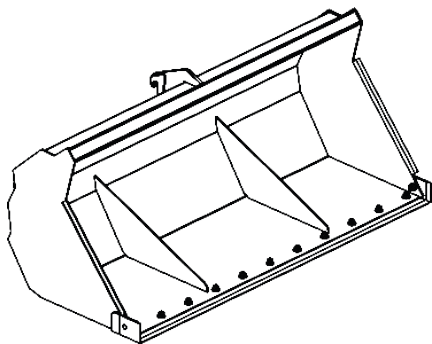
**NOTE:** The lift height of the PAMC 600/800/1100 may have slight variations from tractor to tractor due to the tire model and tractor block height in relation to the ground.



## ▪ Optional

### • Optional accessories - Part II

The **PAMC 600/800/1100** has options that can be purchased according to the needs of the work.

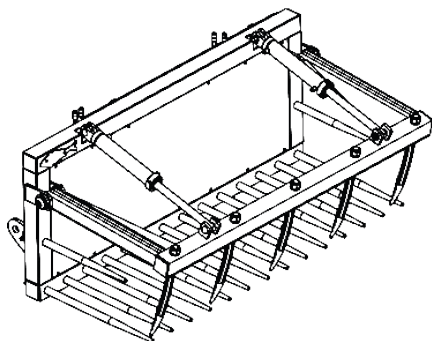


(\*) Shovel width 2300mm is indicated for greater volume with less density (example: coffee plant and chicken litter).

(\*\*) The inclination angle of the PAMC 600/800/1100 may have slight variations from tractor to tractor due to equipment positioning and lift height.

### FRONT LOADER

Model	Total Width (mm)	Capacity (m³)	Lift Height (mm)
PAMC 600	1700	0,555	2900 (**)
	1900	0,600	2900 (**)
	2300 (*)	0,750	2900 (**)
PAMC 800	1700	0,555	3100 (**)
	1900	0,600	3100 (**)
	2300 (*)	0,750	3100 (**)
PAMC 1100	1700	0,600	3900 (**)
	1900	0,600	3900 (**)
	2300 (*)	0,750	3900 (**)



### GAS - SILAGE FORK

Model	Width (mm)	Volume (m³)	Weight (kg)
PAMC 600	1600	0,75	310
PAMC 800			
PAMC 1100			

**NOTE:** The lift height of the PAMC 600/800/1100 may have slight variations from tractor to tractor due to the tire model and tractor block height in relation to the ground.

## ■ Identification

### • Identification plate

To see the parts catalog or to request technical assistance from Baldan, always inform model (01), serial number (02) and date of manufacture (03), which is on your **PAMC 600/800/1100** nameplate.



## ATTENTION

The drawings in this Instruction Manual are merely illustrative.

## CONTACT

In case of doubts, never operate or handle your equipment without referring to Post-Sales.  
Telephone: 0800-152577  
e-mail: posvenda@baldan.com.br



## PUBLICATIONS

Código: 60550109215 | CPT: PAMC00418



**▪ Identification****• Product Identification**

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

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

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

Property: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Certificate of Warranty no.: \_\_\_\_\_

Implement: \_\_\_\_\_

Serial No: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Invoice: \_\_\_\_\_

## ■ Notes

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, providing a template for handwriting practice. There are no margins, text, or other markings on the page.

## This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

**BALDAN IMPLEMENTOS AGRÍCOLAS S/A** ensures the dealer normal performance of the implement for a period of six (6) months as of the delivery date on the retail invoice to the first final consumer. During this period, **BALDAN** undertakes to repair defects in material and/or of manufacture of its liability, including labor, freight and other expenses of the dealer's liability.

In the warranty period, request and replacement of eventual defective parts shall be made to the dealer of the area, who will submit the faulty piece for **BALDAN** analysis. When this procedure is not possible and the resolving capacity of the dealer is exhausted, the dealer will request the support of **BALDAN Technical Assistance** through a specific form distributed to dealers. After analyzing the replaced items by Baldan Technical Assistance, and concluding that it is not a warranty, then the dealer will be responsible for the costs related to the replacement; as well as material expenses, travel including accommodation and meals, accessories, lubricant used and other expenses arising from the call out to Technical Assistance, and Baldan company is authorized to carry the respective invoice in the name of the resale. Any repair carried in the product within the dealer warranty deadline will only be authorized by **BALDAN** upon previous budget presentation describing parts and work to be performed.

The product is excluded from this term if it is repaired or modified by representatives not belonging to the **BALDAN** dealer network, as well as the application of non-genuine parts or components to the user's product. This warranty is void where it is found that the defect or damage is caused by improper use of the product, failure to follow instructions or inexperience of the operator.

It is agreed that this warranty does not cover tires, polyethylene tanks, cardan, hydraulic components, etc., which are equipment guaranteed by their manufacturers. Manufacturing and/or material defects, object of this warranty term, will not constitute, under any circumstances, grounds for termination of a purchase agreement, or for indemnification of any nature.

**BALDAN** reserves the right to change and/or perfect the technical characteristics of its products, without previous notice, and without obligation to proceed in the same way with the products previously manufactured.

**▪ Inspection and Delivery Certificate**

**SERVICE BEFORE DELIVERY:** This implement was carefully prepared by the sale organization, with all its parts inspected according to the manufacturing prescriptions.

**DELIVERY SERVICE:** The user was informed about the current warranty terms and instructed on the usage maintenance precautions.

I confirm that the user has been informed about the current warranty terms and instructed on the usage maintenance precautions.

Implement: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Date: \_\_\_\_\_ Tax Number: \_\_\_\_\_

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

Telephone: \_\_\_\_\_ CEP: \_\_\_\_\_

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

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

Telephone: \_\_\_\_\_

Address: \_\_\_\_\_ Number: \_\_\_\_\_

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

E-mail: \_\_\_\_\_

Sale date: \_\_\_\_\_

**Signature / Dealer Stamp** \_\_\_\_\_

**1st copy - Owner**





**▪ Inspection and Delivery Certificate**

**SERVICE BEFORE DELIVERY:** This implement was carefully prepared by the sale organization, with all its parts inspected according to the manufacturing prescriptions.

**DELIVERY SERVICE:** The user was informed about the current warranty terms and instructed on the usage maintenance precautions.

I confirm that the user has been informed about the current warranty terms and instructed on the usage maintenance precautions.

Implement: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Date: \_\_\_\_\_ Tax Number: \_\_\_\_\_

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

Telephone: \_\_\_\_\_ CEP: \_\_\_\_\_

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

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

Telephone: \_\_\_\_\_

Address: \_\_\_\_\_ Number: \_\_\_\_\_

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

E-mail: \_\_\_\_\_

Sale date: \_\_\_\_\_

**Signature / Dealer Stamp** \_\_\_\_\_

**2nd copy - Dealer**



**▪ Inspection and Delivery Certificate**

**SERVICE BEFORE DELIVERY:** This implement was carefully prepared by the sale organization, with all its parts inspected according to the manufacturing prescriptions.

**DELIVERY SERVICE:** The user was informed about the current warranty terms and instructed on the usage maintenance precautions.

I confirm that the user has been informed about the current warranty terms and instructed on the usage maintenance precautions.

Implement: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Date: \_\_\_\_\_ Tax Number: \_\_\_\_\_

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

Telephone: \_\_\_\_\_ CEP: \_\_\_\_\_

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

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

Telephone: \_\_\_\_\_

Address: \_\_\_\_\_ Number: \_\_\_\_\_

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

E-mail: \_\_\_\_\_

Sale date: \_\_\_\_\_

**Signature / Dealer Stamp** \_\_\_\_\_

**3rd copy - Manufacturer (Please send completed within 15 days).**

1.74.05.0059-5

AC MATÃO  
ECT/DR/SP

## RESPONSE CARD

NO STAMPING IS REQUIRED

THE STAMP WILL BE PAID BY:



**BALDAN IMPLEMENTOS AGRÍCOLAS S/A.**

Av. Baldan, 1500 | Nova Matão | CEP: 15993-900 | Matão-SP | Brasil

Tel: (16) 3221-6500 | Fax: (16) 3382-6500

[www.baldan.com.br](http://www.baldan.com.br) | email: [sac@baldan.com.br](mailto:sac@baldan.com.br)

Export: Tel: +55 (16) 3221-6500 | Fax: +55 (16) 3382-4212 | 3382-2480

email: [export@baldan.com.br](mailto:export@baldan.com.br)





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