

# • VENCE TUDO •

## OPERATION MANUAL



FORTE ATÉ NO NOME

05/2016

***FIXED AND PANTOGRAPHIC  
FRONT AGRICULTURAL PLANER***



# TECHNICAL DELIVERY CERTIFICATE NO. \_\_\_\_\_

Verify that the information below, is being realized by the re-sale of your preference, and also whether the technical support was effective:

1. Instructions and form of use of the equipment;
2. Form of maintenance, conservation, lubrication and rules for safe use;
3. Settings and proper use of its options;
4. Checking and tightening of points required and verification of settings;
5. Presentation of the operator's manual and parts catalog;
6. Delivery of the box of additional parts, in accordance with the operator's manual;
7. Verification of the correct completion of this certificate.

**RETAILER:** \_\_\_\_\_ TEL: (         ) \_\_\_\_\_  
 CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_ - \_\_\_\_\_  
 BILL OF SALE FOR CLIENT NO.: \_\_\_\_\_ DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_  
 TECHNICIAN OU MECH. RESPONSIBLE: \_\_\_\_\_  
 MACHINE: \_\_\_\_\_  
 MODEL: \_\_\_\_\_ SERIES: \_\_\_\_\_ MANUF.: \_\_\_\_/\_\_\_\_/\_\_\_\_  
 OPTIONS: \_\_\_\_\_

**CLIENT:** \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ TEL: \_\_\_\_\_  
 CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_ - \_\_\_\_\_

DELIVERY ASSESSMENT AND TECHNICAL SUPPORT	Great	Good	Satisfactory
The delivery of the equipment was made within the deadline			(R)
The technical delivery was made in order to resolve all your queries			(R)
The demonstration of the equipment was carried out satisfactorily			(R)
The equipment was deOivered in perfect condition together with its accessories			(R)
In the case of requests for parts or technical support it was processed efficiently			(R)
The re-sale meets the request for parts or technical support <input type="checkbox"/>			(R)
<b>Suggestions:</b>			

**N.B.:** After the checking and execution of all seven (07) items above and the full completion of this document, sign it and send it to the Vence Tudo Customer Services Department, within the maximum period of one year.

**The non-sending of this technical delivery certificate, shall prevent warranty analyses.**

\_\_\_\_\_  
**Signature of the Authorized Re-Seller**

\_\_\_\_\_  
**Signature of the Client**

## INTRODUCTION

The Agriculture Tools Industry **VENCE TUDO**, founded in the year of 1964 in Alfredo Brenner, Ibirubá District in Rio Grande do Sul, has been following a mission set out by its founder Nelson Lauxen, which is to seek tirelessly to develop agriculture, through the use of resistant agricultural tools, with easy handling, high quality and productivity gains.

The **VENCE TUDO** mission is: to seek to develop its products based on the needs of its users through partnerships with universities, research centers and its engineering team, continually improving its products within the most technologically advanced concepts.

The products, once developed by the company, are tested extensively by the farmers themselves in the most diverse regions. They are placed under various conditions of use, thus seeking to assess their functionality. Once the field tests are approved, the product goes on to be produced at scale within modern high-quality concepts.

The client's satisfaction with **VENCE TUDO** products is our main concern.

The purpose of this manual is to familiarize you with the operation of your equipment and with the little attention required for it to have a long life. And, as important as learning how to take care of it, and handling it properly, is understanding some aspects that may compromise the warranty, due to neglect, misuse, unauthorized adaptations and other aspects which have to adapt in some way. Consequently, we recommend a careful read of the Warranty Certificate.

The catalog of parts contains all the necessary information for replacing parts. The correct interpretation of this document, will provide you with the tools required to make the necessary replacements in accordance with the equipment models identified and described.

Should you have any query in relation to the working operation, contact **VENCE TUDO LTD.**, so that via the CUSTOMER TECHNICAL SUPPORT department, we can solve any existing issues, improving our customer services even further, and ensuring a strong relationship between **VENCE TUDO** and the FARMER.

May we take this opportunity to thank you for choosing a **VENCE TUDO** product, and may we assure you that we have the utmost interest in keeping you satisfied.

**VENCE TUDO**  
Industry, Commerce, Import,  
and Export Ltd.

## **TO THE VENCE TUDO CUSTOMER**

*Farming friend, you are from congratulations when acquiring a product **VENCE TUDO**; the development of our products is based mainly on the user's satisfaction. Your satisfaction in the hour of picking the profits generated through our implements is ours also. Our thought is to assist with the largest seriousness and our trust partner, you farmer, because it is through your profitability that we are in no doubt of building a strong and lucrative agriculture.*

*For a production inside of the considered concepts of the high agricultural technology this product was developed. The most modern equipment is used for the industrial manufacture, aiming at the development of a strong and resistant product, which it comes to take care of your needs, with high durability and long useful life.*



**WARRANTY TERMS N° \_\_\_\_\_**

The warranty of VENCE TUDO products is assured to the acquirer for the period of one year since the acquisition date, against manufacture or material defect that may cause the operational danger of the product, except for components acquired from mediators, which have their own manufacturer's warranties.

**CONDITIONS**

- 1- The product has warranty on any registered fabrication defect, as long as all the parts and components have been supplied by VENCE TUDO Limited, and delivered by duly authorized companies or people;
- 2- The parts and/or components covered by the warranty will only be replaced or compensated if defects are verified by the Technical Assistance or by a person duly authorized by VENCE TUDO Limited. Parts which suffer slow wear and tear, because of operational conditions and factors relate to formation and characteristics of each soil are excluded. The presentation of the technical delivery certificate correctly filled up and the purchase bill are essential.
- 3- If the conditions of the Warranties Terms are satisfied, VENCE TUDO Limited assures the repair of the defect or component's replacement, for free. In case of canceling or expiration of the warranty terms, the technical assistance will be charged by the price of the service rendered and reposition of parts and components, if necessary.

**WARRANTY CANCELLATION**

The warranty loses its effectiveness in the following cases:

- 1- Damages caused to the equipment by bad use, abuse, negligence or lack of appropriate maintenance, in disagreement with the manufacturer's instructions published in the corresponding operation manual;
- 2- Damages caused by accidents or natural agents;
- 3- Repairs, modifications or violation of parts and components performed by a non-authorized person.
- 4- Amendments, erasures or exclusion of data in the Technical Delivery certificate, in the Warranty certificate, in the purchase bill or in the identification plaque.

**IMPORTANT**

If your product shows any problem during the warranty period, contact exclusively your retailer or the manufacturer. The same only should be repaired or dismantled in the presence of a person duly accredited by the manufacturer, as well as the use of original replacement parts, under penalty of warranty loss.

**KEEP THE PURCHASE BILL IN A SAFE PLACE, IT IS THE PROOF OF THE WARRANTY TERMS.**

CUSTOMER: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_  
 MODEL: \_\_\_\_\_ SERIES: \_\_\_\_\_ YEAR: \_\_\_\_\_  
 DELIVERY DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_  
 RETAILER: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_

I declare faithfully and with incontestable effect that I received, on this date the PRODUCT model: \_\_\_\_\_ as it is above specified in perfect conservation conditions and the warranty model used was accepted by me.

CUSTOMER: \_\_\_\_\_  
 RETAILER: \_\_\_\_\_

**TECHNICAL DELIVERY CERTIFICATE NUMBER: \_\_\_\_\_**

Destaque aqui



CUSTOMER: \_\_\_\_\_ CITY: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ STATE: \_\_\_\_\_  
 MODEL: \_\_\_\_\_ SERIES: \_\_\_\_\_  
 RETAILER: \_\_\_\_\_ CITY: \_\_\_\_\_  
 Purchase bill number: \_\_\_\_\_ Sale's date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**REMIT THIS CERTIFICATE TO THE FACTORY SOON AFTER DELIVERY.**



Destaque aqui





**I declare having received on this date, the model described previously, according to the specifications above in perfect condition and that the warranty modality is accepted by me.**

**DATE:** \_\_\_\_/\_\_\_\_/\_\_\_\_

**CUSTOMER:** \_\_\_\_\_

**DELIVERY DATE:** \_\_\_\_/\_\_\_\_/\_\_\_\_

**VENCE TUDO**

## **1 - INTRODUCTION**

You have just purchased a piece of equipment manufactured with the technology developed by VENCE TUDO, an industry with great know-how in the Agricultural Implements manufacturing segment.

The PVTs have been developed for 3 to 6 cylinder Brazilian tractors with pantograph system, which guarantees an excellent leveling of the load as the tractor moves.

VENCE TUDO offers the most complete line of tractor attachments and accessories which vary according to specific daily work.

ACCESSORIES: Grain Boxes, Fork lifts, Rakes, Hay Forks, Silage Forks, Log Forks and Big Bag Lifting Hoist, in addition to the adapters for several tractor models.

This manual aims at guiding you on the correct use, safety and maintenance of this equipment. Please read these instructions carefully as well as your tractor manual, in order to know the best way to operate it.

Keep this manual for reference and so it may be forwarded to new operators and owners.

VENCE TUDO also provides technical support to help you and your reseller.

Feel free to contact us whenever you need it.

Indústria de Implementos Agrícola VENCE TUDO Importação e Exportação Ltda.



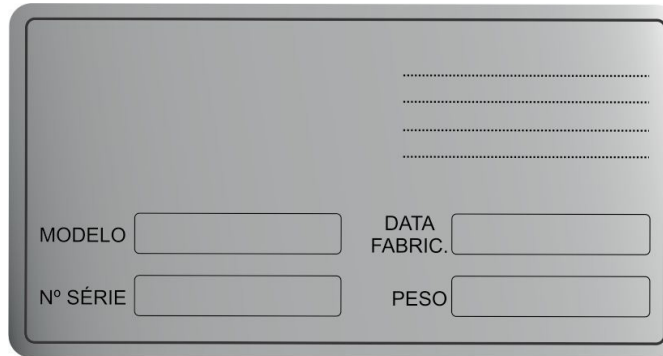
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### 3 – IDENTIFICATION

The Implement of ACOPLÉ have their ID plate, on which there appears the model, date of manufacture, serial number and weight.

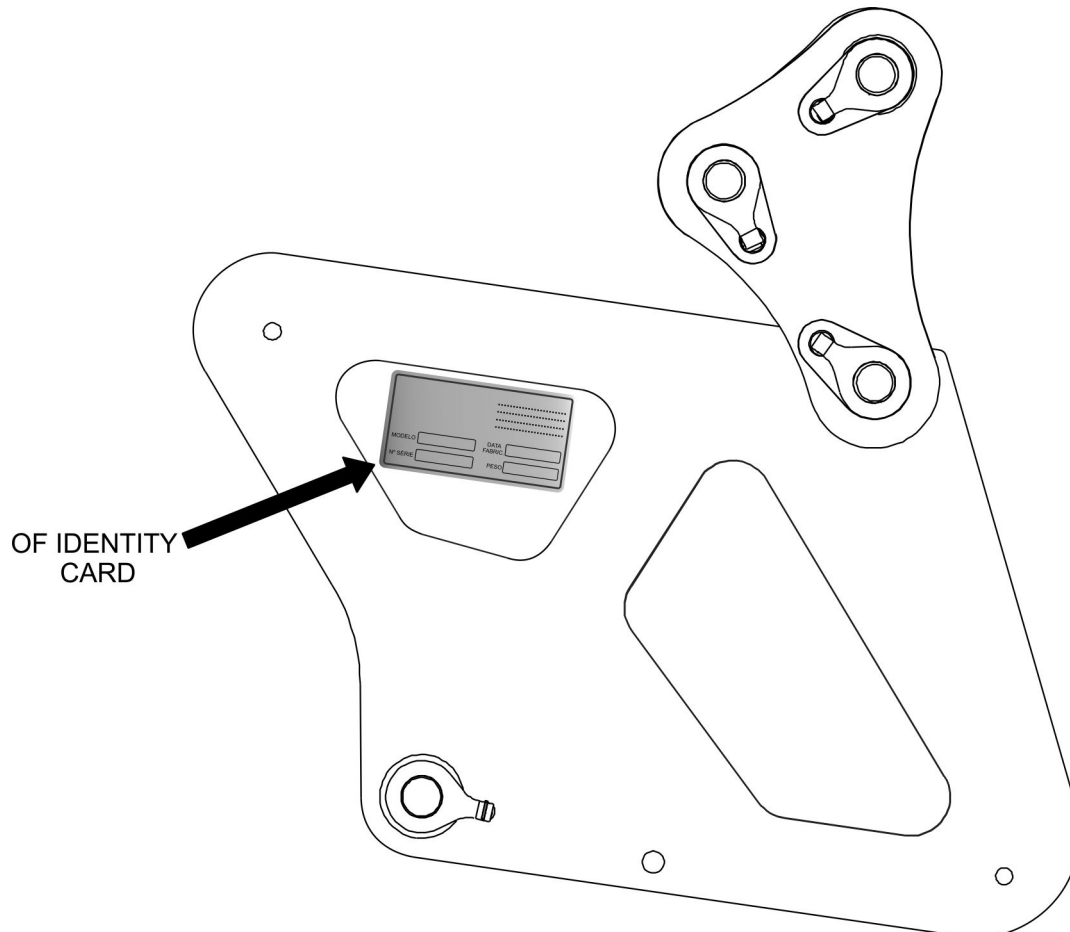
When requesting any type of information from your reseller or directly at the factory, mention the data which appears on the ID plate so that we can serve you better.



The diagram shows a rectangular identification plate with a grey background. At the top right, there are four horizontal dotted lines. Below these, the plate is divided into four input fields:

MODELO	<input type="text"/>	DATA FABRIC.	<input type="text"/>
Nº SÉRIE	<input type="text"/>	PESO	<input type="text"/>

The nameplate is attached to the chassis of your implement . It is located on the right side of the PVT and identifies the figure below :



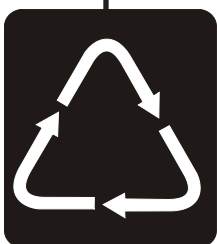
## 4 - CARE WITH THE ENVIRONMENT

### MR. USER !



***Let us value nature.***

***The uncontrollable spilling of residues on the soil and in the water harms the life of all living beings of the planet.***



***To spill on the soil and in the water lubricating and combustible oils, agrichemical and plastic packings, etc, interferes directly with ecosystem balance from the superficial layer of the soil the underground sheets of water.***

***Do the appropriate handling of these residues, finding out how to recycle them or to reuse them.***

***Acting that way you will be contributing to the conservation and the balance of the ecosystem.***

### IMPORTANT

***The straw cutting is a fundamental factor for the efficiency in the planting and establishment of the crop. In no may use handling methods that are not recommended by the technical assistance.***

***Avoid burning: burning the straw is a crime against the ecosystem, because life on earth depends on it.***

***Use the straws chopper well regulated and if necessary change the razors.***

***Use the straws spreader to maintain the uniformity of distribution of the straw layer.***

***If necessary use straw crushers.***

***Avoid the use of disk grid in the straw rolling.***

## 5 – SAFETY RECOMMENDATIONS

PVT is a simple implement of great versatility, efficiency and practicality. To avoid accidents, it is strictly necessary to follow the security procedure as:

- **Read carefully the instruction manual before operating the equipment and follow safety and technical recommendations counted in this manual;**
- **Do not follow the operator during the work, let alone carry people in the bucket;**
- **Never use alcohol or any medications, can cause loss of reflexes and change the physical condition of the operator;**
- **Never use Loaders to lift people for mechanical maintenance, can cause fatal accidents;**
- **Support the implement structure in the soil after use;**
- **Tighten all screws and nuts again;**
- **Make sure you do not have people and or animals near the machine before putting it into operation;**
- **Never stand under the Big-Bag structure or other accessories, it can occur any hydraulic problem and cause serious accidents;**
- **Never operate the hydraulic control with tractor moving, you may touch the ground and cause a rollover;**
- **If for some reason you feel the tractor overturning, immediately lower the PVT Loaders;**
- **Use rear ballast to balance the weight of your tractor, preventing the rear can raise;**
- **Use adequate lighting when on highways;**
- **Lubricate and keep the implement always in great condition;**
- **Daily check hydraulic oil level and, if necessary, complete it;**
- **After use wash thoroughly and dry;**
- **Redo the painting if necessary and replace the safety and design adhesives;**
- **Lubricate all lubrication points with grease;**
- **Keep PVT always in a dry place protected from the sun and rain facilitating their conservation status;**
- **Avoid connecting the tractor indoors, as the exhaust gas can cause illness or even death.**

**Maintenance on the hydraulic system:**

- The hydraulic system works under high pressure, do not maintenance while there is pressure in hoses, because if there is a leak, it can cause serious injury.
- Relieve the pressure before connection of the hydraulic lines.

**Care when driving:**

- Avoid holes, ditches and obstacles, slippery surfaces, which can cause overturning.
- Avoid very steep slopes.

**Important cares:**

The alert symbol is used throughout this manual, it indicates the necessary risk attention. Your safety is involved. Follow the recommended precautions.

**Important:**

This symbol means instructions and / or special procedures, which not being observed may result in indirect damage to the safety of your equipment.

**Attention:**

This symbol means instruction and / or special procedures, which not being observed can result in fatal accidents with personal injury as a consequence.

## 5.1 – SAFETY ADHESIVES

**⚠️ ATENÇÃO/ATTENTION/ATENCIÓN**

- Evite acionar a tração dianteira sempre que estiver utilizando a plaina pois poderá danificá-la.
- Respeite os limites de carga especificado pelo fabricante da tração dianteira do trator.
- Sempre que utilizar concha lâmina ou enleirador, procure centralizar o esforço e avance o trator sempre em linha reta.

-Avoid activating the front-wheel drive when using the planer as this action may damage it.  
 -Respect the load limits specified by the front-wheel drivetractor manufacturer.  
 -Always use blade shell or enleirador, centralize efforts and advance the tractor always in a straight.

-Evite activar la tracción delantera siempre que esté utilizando el guillame porque podrá dañarlo.  
 -Respete los límites de carga de la tracción delantera del tractor especificados por el fabricante.  
 -Siempre que utilice la pala con lámina o el desenraizador, intente centrar el esfuerzo y avance el tractor en línea recta siempre.

**⚠️ ATENÇÃO/ATTENTION/ATENCIÓN**

- MOVIMENTAÇÃO DO SISTEMA HIDRÁULICO.
- HYDRAULIC SYSTEM MOVEMENT.
- MOVIMIENTO DEL SISTEMA HIDRÁULICO.

**⚠️ ATENÇÃO/ATTENTION/ATENCIÓN**



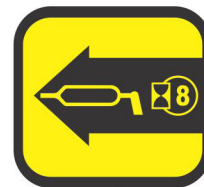
- Reparar todos os parafusos periodicamente.
- Repair all bolts periodically.
- Reparar todos los tornillos periódicamente.

**ATENÇÃO/ATTENTION/ATENCIÓN**

<ul style="list-style-type: none"> <li>- Reapertar e lubrificar periodicamente;</li> <li>- Antes de movimentar certifique-se que ninguém esteja próximo, ou sobre o implemento;</li> <li>- Leia o manual do operador;</li> <li>- Assegure-se de conhecer o terreno;</li> <li>- Utilize velocidade adequada com as condições do terreno ou dos caminhos a percorrer;</li> <li>- Trabalhe com a transmissão dianteira desligada;</li> <li>- A não observação das recomendações acima pode ocasionar danos na máquina;</li> </ul>	<ul style="list-style-type: none"> <li>- Do the required lubrication and retighten;</li> <li>- Be sure nobody is near, on or under the equipment;</li> <li>- Read the operator's manual;</li> <li>- Be sure the terrain is know completely, marking the dangerous locais or obstacles;</li> <li>- Use adequate speed according to the terrain condition or the ways to pursue;</li> <li>- Work with frontal transmission turned off;</li> <li>- the non observation on the requiriments mentioned above, implies in serious damages to the implement;</li> </ul>	<ul style="list-style-type: none"> <li>- Haga la debida lubricación y raprietos;</li> <li>-Certifiquese que nadie este próximo, sobre o en el implementos;</li> <li>-Lea manual del operador;</li> <li>-Asegúrese de conocer completamente el terreno;</li> <li>- Utilice velocidad adecuada con las condiciones del terreno de los caminos a recorrer;</li> <li>- Trabajar con la transmisión delantera desligada;</li> <li>- La no observación de las recomendaciones arriba, implicará serios daños al implemento;</li> </ul>
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**⚠️ ATENÇÃO/ATTENTION/ATENCIÓN**

- Não movimentar o trator quando a concha estiver na posição indicada na figura.
- Do not move the tractor when the shell is in the position shown in the picture.
- No mover el tractor cuando la pala este en la posición indicada en la figura.

THE DOPE EVERY 8 HOURS.

### 5.2 – DESIGN ADHESIVES

The adhesives below are identifying the company name and model of your PVT, for more information related to the code check the parts catalog of your machine.

#### Fixed Front Agricultural Planer:



#### Special Fixed Front Agricultural Planer:



VENCE TUDO

**Pantographic Front Agricultural Planer:**



*Pantográfica*



*Pantográfica*



**Special Pantographic Front Agricultural Planer:**



*Pantográfica*



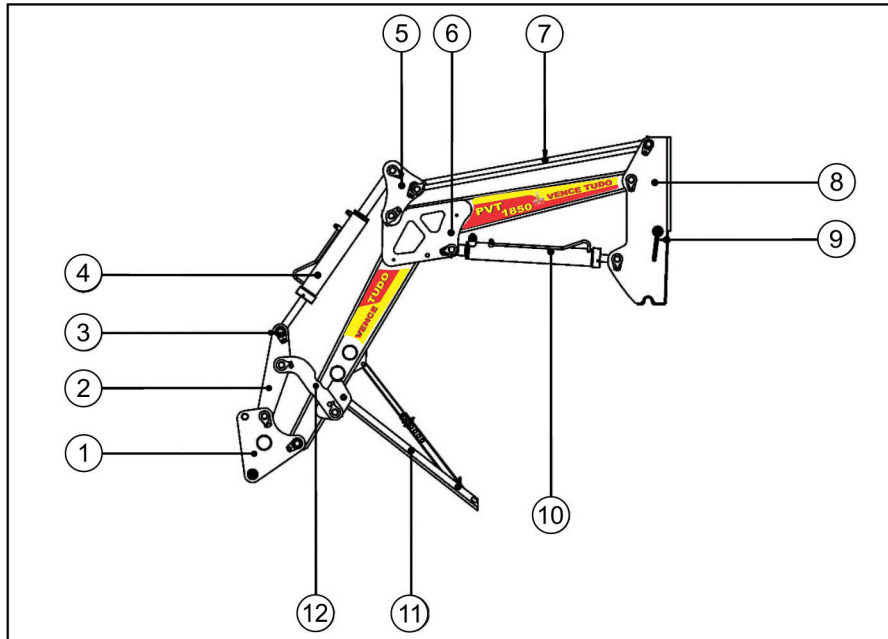
*Pantográfica*



VENCE TUDO



## 6 – IDENTIFICATION OF COMPONENTS



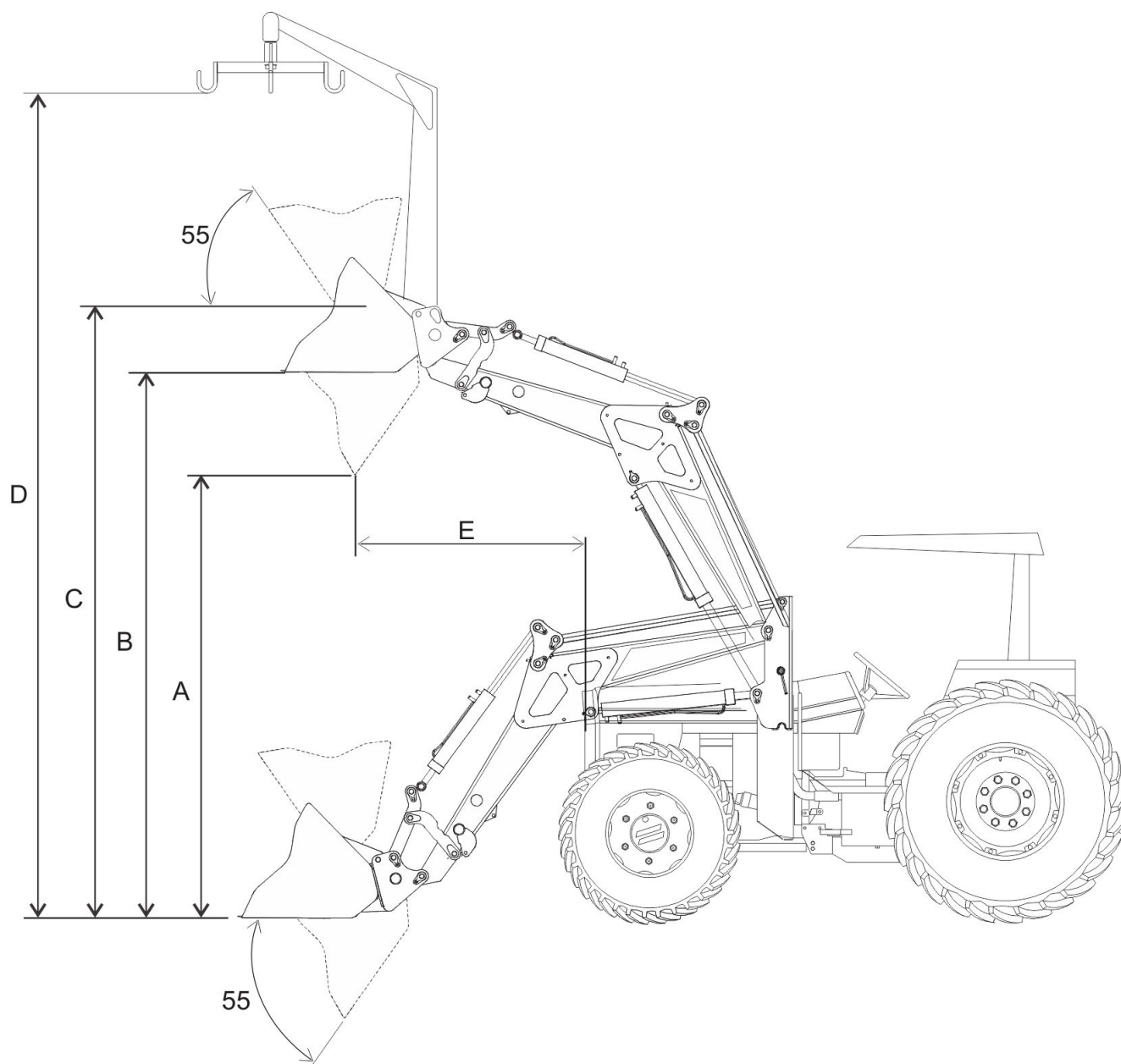
1 - Quick hitch kit	7 - Parallelogram lifter
2 - Articulator	8 - Tower
3 - Pins	9 - Lock pin
4 - Hydraulic cylinders	10 - Lifter Cylinder
5 - Articulator	11 - Support Feet
6 - Structure (Lifter arm)	12 - Articulator cross member

### 6.1 – TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS: PANTOGRAPHIC PVT						
MODEL	1150	1450	1550	1850	2250	3000
	1150E	1450E	1550E	1850E	2250E	3000E
Load Capacity (kg)	600	1000	1200	1600	1900	1900
Structure weight (kg)	309	331	422	495	504	890
Lifter Height (mm)	2870	3550	3550	4150	4200	3715
Loading Angle and Tilting	55°	55°	55°	55°	55°	55°

TECHNICAL SPECIFICATIONS: FIXED PVT				
MODEL	150F	450F	550F	850F
	150F E	450F E	550F E	850F E
Load Capacity (kg)	600	800	1000	1600
Structure weight (kg)	229	248	339	459
Lifter Height (mm)	2870	3550	3550	4150
Loading Angle and Tilting	55°	55°	55°	55°

### 6.2 - DIMENSIONS

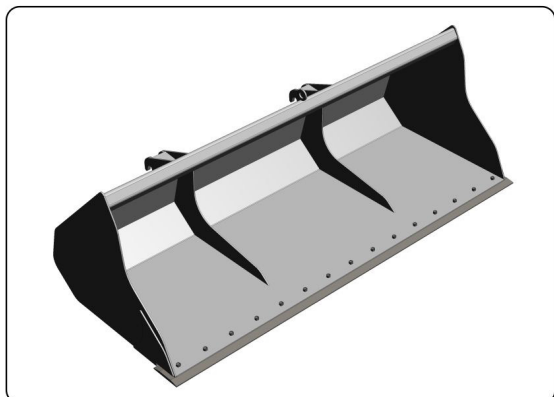


MODEL		A	B	C	D	E
FIXED	PANTOGRAPHIC					
PVT 150F / 150F E	PVT 1150 / 1150 E					
PVT 450F / 450F E	PVT 1450 / 1450 E	2875	3350	3932	5650	150 à 800
PVT 550F / 550F E	PVT 1550 / 1550 E	2875	3550	3392	5650	150 à 800
PVT 850F / 850F E	PVT 1850 / 1850 E	3360	4150	4532	6100	150 à 800
-----	PVT 2250 / 2250 E	3400	4200	4582	6100	150 à 800
-----	PVT 3000 / 3000 E	2737	3715	4077	5076	150 à 800

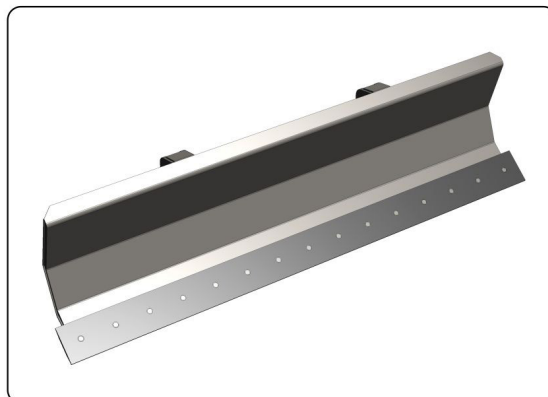
Dimensões em mm.

## 7 - OPTIONAL

**BUCKET**



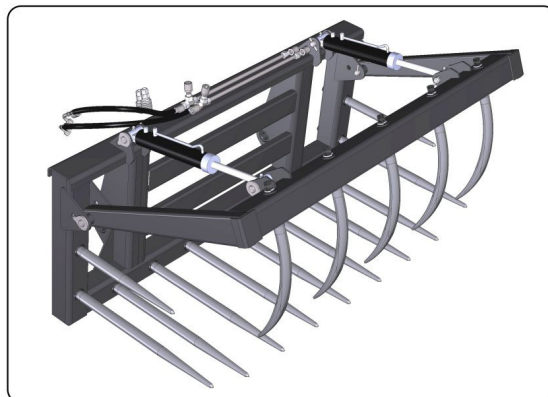
**FRONT BLADE**



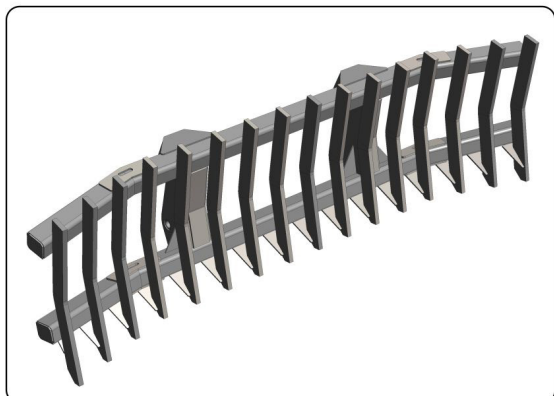
**FORK FOR GRABBING**



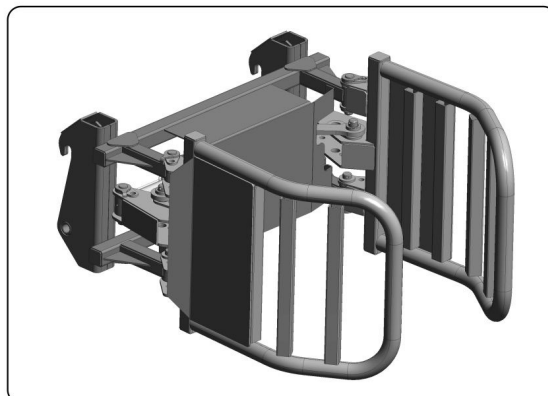
**FORK FOR SILAGE**



**WINDROWER**



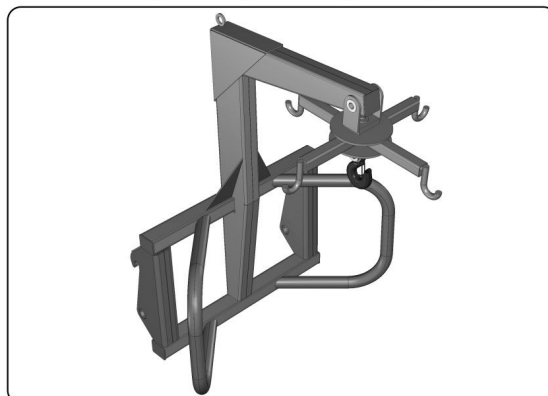
**FORK FOR HAY ROLL**



**PALLET FORKLIFT**



**TOW FOR BIG-BAG**



## 7.1 – TECHNICAL SPECIFICATIONS - OPTIONAL

TECHNICAL SPECIFICATIONS: OPTIONAL					
MODEL	FIXED AND PANTOGRAPHIC				
	150/1150	450/1450	550/1550	850/1850	1250/2250/3000
<b>OPTIONAL ITEM</b>	<b>BUCKET</b>				
<b>Width</b>	1950 mm	1950 mm	1950 mm	1950 mm	2220 mm
<b>Volume</b>	0.4 m <sup>3</sup>	0.4 m <sup>3</sup>	0.52 m <sup>3</sup>	0.73 m <sup>3</sup>	0.85 m <sup>3</sup>
<b>Weight</b>	197 kg	243 kg	275 kg	315 kg	345 kg
<b>OPTIONAL ITEM</b>	<b>BLADE</b>				
<b>Width</b>	1350 mm	2220 mm	2220 mm	2700 mm	2700 mm
<b>Weight</b>	130 kg	218 kg	218 kg	260 kg	260 kg
<b>OPTIONAL ITEM</b>	<b>FORK FOR SILAGE</b>				
<b>Width</b>	1600 mm	1600 mm	1600 mm	1600 mm	1600 mm
<b>Volume</b>	0.7 m <sup>3</sup>	0.7 m <sup>3</sup>	0.7 m <sup>3</sup>	0.7 m <sup>3</sup>	0.7 m <sup>3</sup>
<b>Weight</b>	211 kg	211 kg	211 kg	211 kg	211 kg
<b>OPTIONAL ITEM</b>	<b>FORK FOR GRABBING</b>				
<b>Width</b>	1282 mm	1282 mm	1282 mm	1282 mm	1282 mm
<b>Weight</b>	307 kg	307 kg	307 kg	307 kg	307 kg
<b>OPTIONAL ITEM</b>	<b>TOW FOR BIG-BAG</b>				
<b>Width</b>	1297 mm	1297 mm	1297 mm	1297 mm	1297 mm
<b>Weight</b>	164 kg	164 kg	164 kg	164 kg	164 kg
<b>OPTIONAL ITEM</b>	<b>PALLET FORKLIFT</b>				
<b>Width</b>	1225 mm	1225 mm	1225 mm	1225 mm	1225 mm
<b>Weight</b>	243 kg	243 kg	243 kg	243 kg	243 kg
<b>ROD COMP.</b>	1200 mm	1200 mm	1200 mm	1200 mm	1200 mm
<b>OPTIONAL ITEM</b>	<b>FORK FOR HAY ROLL</b>				
<b>Width</b>	1495 mm	1495 mm	1495 mm	1495 mm	1495 mm
<b>Weight</b>	182 kg	182 kg	182 kg	182 kg	182 kg
<b>OPTIONAL ITEM</b>	<b>WINDROWER</b>				
<b>Width</b>	2500 mm	2500 mm	2500 mm	2500 mm	2500 mm
<b>Weight</b>	295 kg	295 kg	295 kg	295 kg	295 kg
<b>OPTIONAL ITEM</b>	<b>BULK BUCKET</b>				
<b>Width</b>	1920 mm	1920 mm	1920 mm	1920 mm	2250 mm
<b>Volume</b>	0.4 m <sup>3</sup>	0.4 m <sup>3</sup>	0.5 m <sup>3</sup>	0.7 m <sup>3</sup>	0.7 m <sup>3</sup>
<b>Weight</b>	195 kg	240 kg	268 kg	307 kg	337 kg
<b>OPTIONAL ITEM</b>	<b>CLAY BUCKET</b>				
<b>Width</b>	1913 mm	1913 mm	1913 mm	1913 mm	2250 mm
<b>Volume</b>	0.4 m <sup>3</sup>	0.4 m <sup>3</sup>	0.6 m <sup>3</sup>	0.7 m <sup>3</sup>	0.85 m <sup>3</sup>
<b>Weight</b>	243 kg	243 kg	262 kg	280 kg	345 kg

## 8 – ASSEMBLY AND ADJUSTMENT

### 8.1 – TRACTOR PREPARATION

May occur before the assembly of the adapter assembly and the frame on the tractor, the need to remove or reposition some components such as battery, fenders, steps, and tire balance.

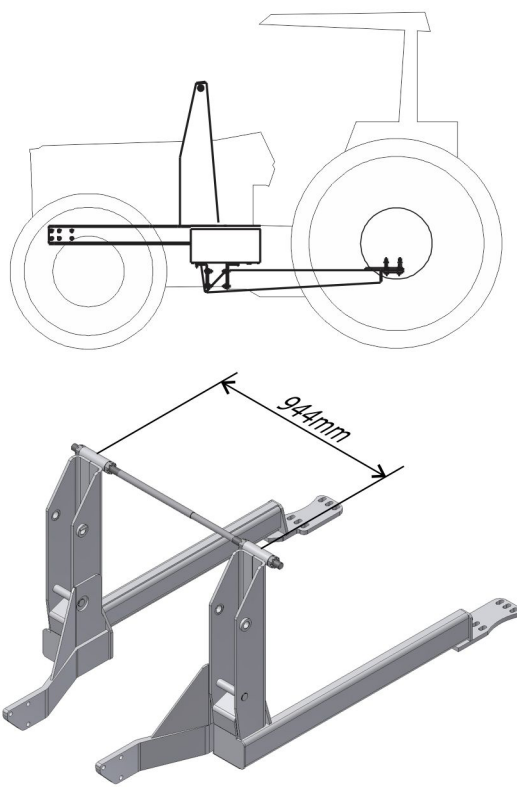


The front mudguards must always be taken not to limit the rotation of the wheels. Before starting the assembly of the PVT on the tractor, remove all front counterweights to avoid any interference with the structure of the PVT and reduce the load on front axis. The very weight of the adapter assembly already compensates for the loss of ballasting with the removal of the weights, we recommend placing this balance in the back of your tractor.

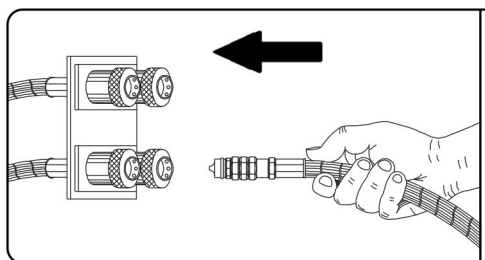
### 8.2 - ADAPTER MOUNTING ON TRACTOR

The assembly of PVTs in the tractor is made normally by your dealer or factory, but it may be necessary to repair the tractor or implement.

In this case it is important that you observe the following mounting sequence:

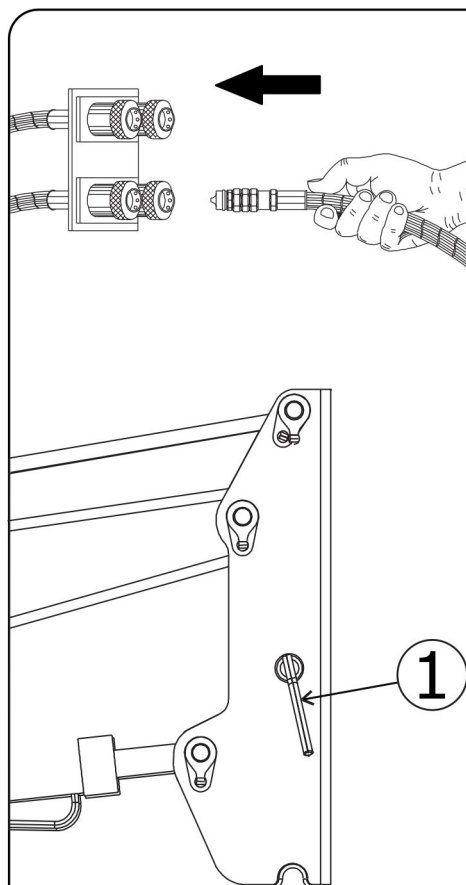
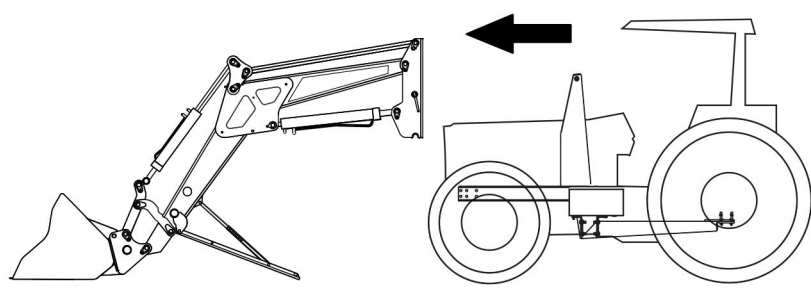
	<ul style="list-style-type: none"> <li>- Mount the bracket adapter on the tractor, put the screws without tightening them, mount the top lifter and then tighten all screws.</li> <li>- Note that the left and right adapter must be aligned and with a distance of 944mm, 1044mm or 1144mm, between the core, depending on the year and model of the tractor, so that they remain strictly parallel to each other.</li> <li>- Bring the tractor close to PVT, connect the hydraulic hoses in the hydraulic control terminals, slowly approaching the tractor structures and if necessary use the aid of hydraulic control to complete the coupling.</li> </ul>
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### 8.3 – INDEPENDENT HYDRAULIC SYSTEM ASSEMBLY

	<p>- It is recommended the application of the independent hydraulic system on tractors that have low oil flow, less than 25L / min in order to have faster operations.</p>
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## 9 – OPERATION AND ADJUSTMENT

### 9.1 - COUPLING PVT ON TRACTOR

	<p>- Connect all hydraulic hoses on the tractor's remote control (hydraulic output jacks).</p> <p>- Make small movements on the lever, causing the bucket cylinder to open and close, press the tip of the bucket on the ground causing the quick hitch to fit in the adapter and insert the safety pin (1).</p>
<p>- Collect the support feet from the ground fixing the pins.</p> 	

## 9.2 - JOYSTICK OPERATION, ACTIVATION USING CABLE



Exclusive operating system through Joystick (optional) that allows in a simple and immediate way, to activate all functions of the planer. Equipped with safety lock to prevent involuntary movements.

## 9.3 - JOYSTICK OPERATION, ACTIVATION DIRECT TO COMMAND



Exclusive operating system through Joystick (optional) that allows in a simple and immediate way, to activate all functions of the planer.

Additional command, with this system does not compromise the back exit of the tractor, thus being able to operate simultaneously PHD and also implements attached to the original tractor control.

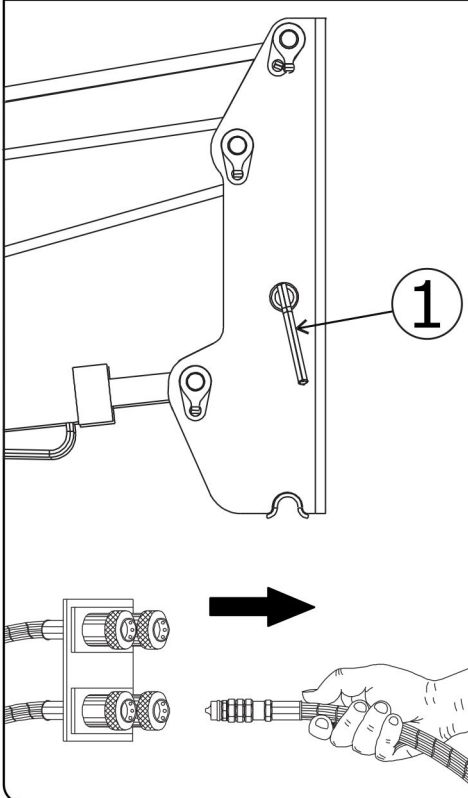
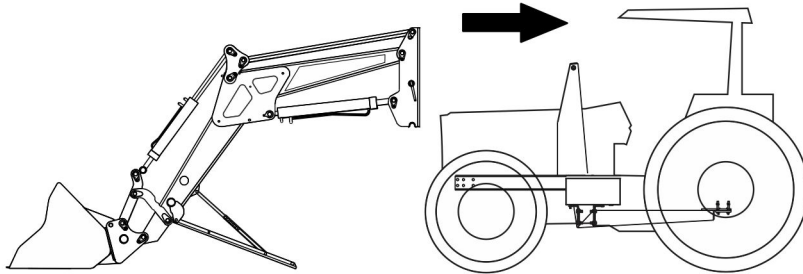
## 9.4 - OPERATION USING INDEPENDENT HYDRAULIC COMMAND



Additional command, with this system does not compromise the back exit of the tractor, thus being able to operate simultaneously PHD and also implements attached to the original tractor control.

### 9.5 - DECOUPLING PVT FROM TRACTOR

- Lower the bucket to the ground and let it level.



- Make small movements to open and close the cylinder of the bucket using the levers of hydraulic command of your tractor. These movements serve to relieve pressure from safety pin.

- Turn the pin handle so that pin stays vertical (up). Remove safety pin (1) fixated in the tower.

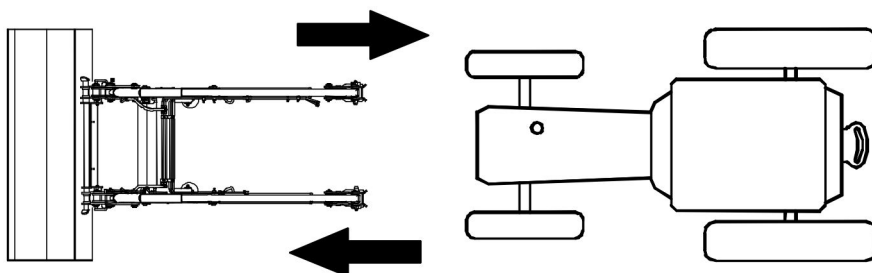
- Lower the feet and place the pins.

- Turn off your tractor and release all pressure from the hydraulic hoses.



- When attaching or detaching the PVT from tractor, always make in straight line as illustrative figure below.

- Correctly check the positions of the hoses, which facilitates proper orientation of loader.





### 9.6 – COUPLING HYDRAULIC SYSTEM ON TRACTOR

<p>PRESSURE AND RETURN</p> <p>TIP OF THE HITCH</p>	<ul style="list-style-type: none"> <li>- Finalizing the coupling of PVT in adapter, mount the hoses of the hydraulic system on the remote control of your tractor (hydraulic output jacks) located on the back. Check the correct positions for pressure and return by doing that they cannot generate operational problems.</li> <li>- Clean terminals of hoses with a clean cloth. Push the fitting against the support with one hand and with the other place the end of the hose and release the quick hitch.</li> </ul> <p><b>REMARKS:</b> If not fit in the hose coupling, remove the pressure pressing the needle into the hose end against a clean surface.</p>
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### 9.7 - DECOUPLING HYDRAULIC SYSTEM FROM TRACTOR

<p>TIP OF THE HITCH</p> <p>CAPS QUICK HITCH</p>	<ul style="list-style-type: none"> <li>- When uncoupling hoses from the hydraulic system on the tractor's remote control, located on the back, on should totally release the pressure in the circuit. For this turn off the tractor and engage the cylinders so that the coupled set or accessory is rested on the ground.</li> <li>- Release the hose of the same procedure which was engaged.</li> </ul> <p><b>REMARK:</b> After the release of the hoses, replace the protective caps on the quick hitch, avoiding dirt entry.</p>
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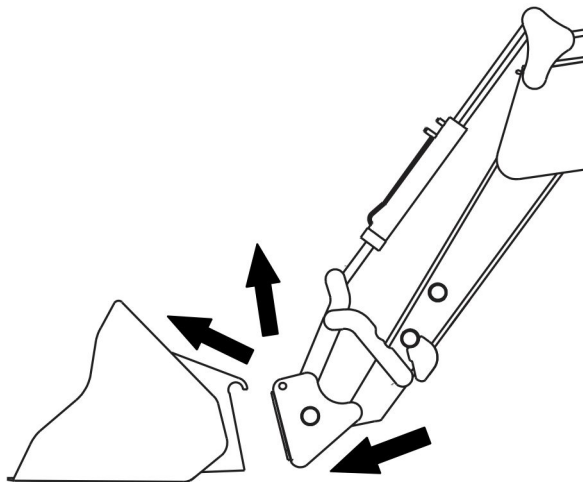
## 9.8 – COUPLING AND DECOUPLING OPTIONALS

Your PVT comes equipped with a bucket from the factory, which can be uncoupled to attach another option of your choice, from among those offered by VENCE TUDO that are listed below:

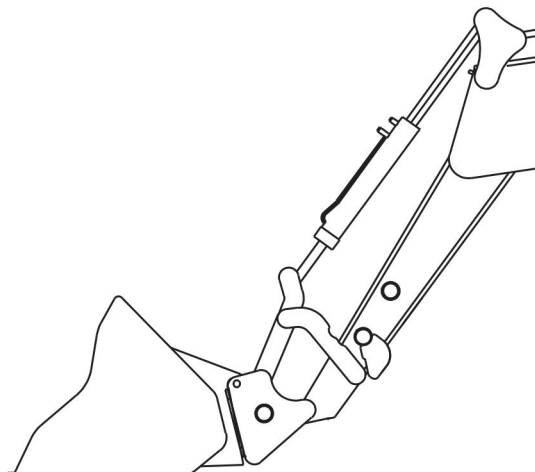
- Loader;
- Windrower;
- Forks for hay;
- Forks for silage;
- Forks for log;
- Big-Bag hook.

### ► Coupling:

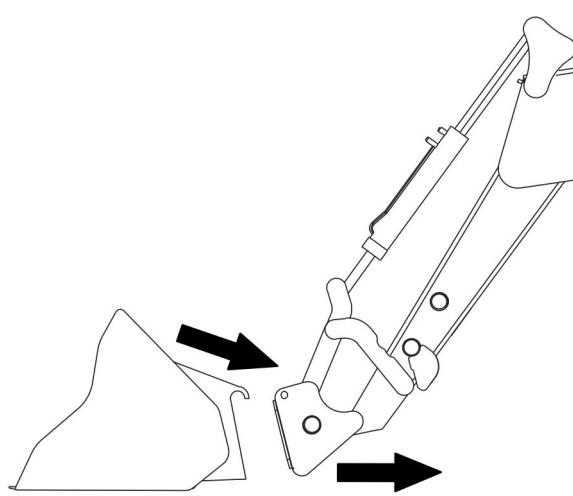
- Bring the tractor close to the PVT accessory, fit the guide pin and make small movements up until the holes of the locks pins are aligned;
- Place the safety pins and fully tilt the accessory up to make sure is a perfect fit.



- Check in the figure below the optional item already coupled to PVT:



► **Decoupling:**

	<ul style="list-style-type: none"> <li>- Lower the lift arm of PVT until the ground;</li> <li>- Relieve the pins pressure with small movements of the optional items;</li> <li>- Remove the safety lock pins, then move the tractor slowly backwards;</li> <li>- After, make moves down until it releases the optional as side figure.</li> </ul>
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ALWAYS make sure that the lock and safety pins are fully fitted and fixed.



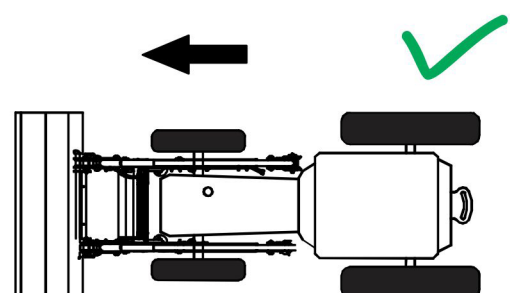
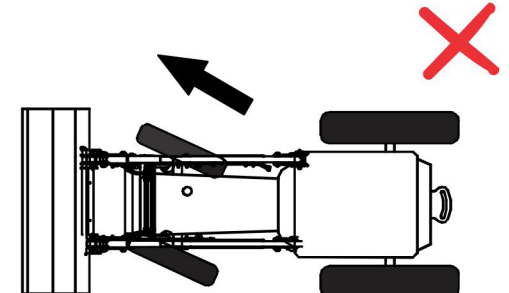
This product is not suitable for deforestation services and stump removal of land.

**9.9 – USE RECOMMENDATIONS OF PVT**

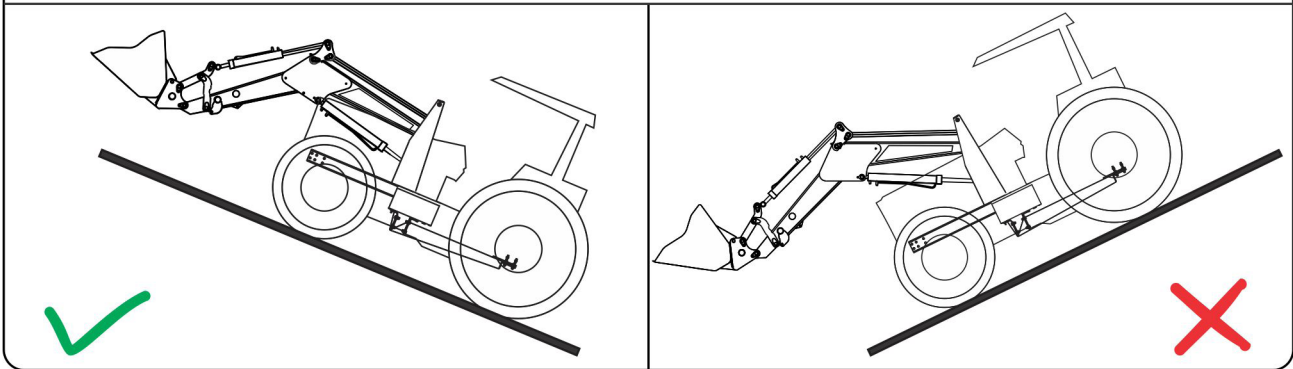


PVT is a device that requires light work, preventing its structure damage due to operations. We recommend that it's used for work such as: carry powders, pellets, hay, wood and others.

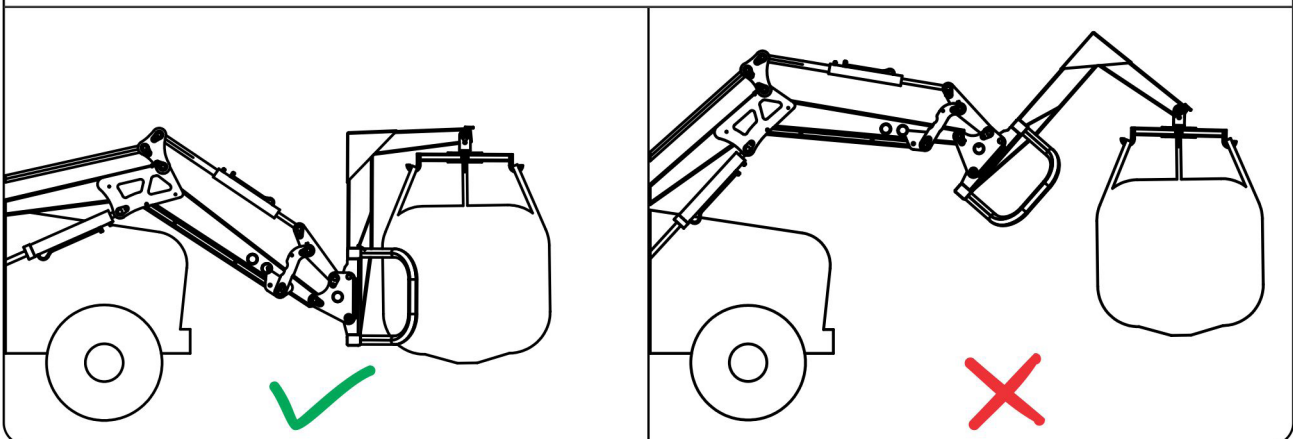
**REMARK:** We do not advise you to work with the driven front wheel, or with larger loads that can affect the structure of your equipment or any component of the tractor. For this, also check the manual for your tractor.

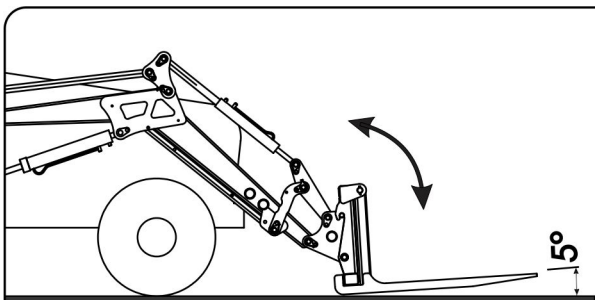
<p>- As shown in the figures below, to perform an operation with your PVT equipment, either using the bucket or other option, never move the tractor sideways. Move only forward or backward, thus preventing any damage to the structure of your equipment or torsion in front wheels of the tractor.</p>	
	

- When going up or down hills with the loaded PVT bucket, make it always facing the top of the slope, ensuring the stability and security of your machine operation.
- If possible, for greater security on your machine, use weights or weights at the rear of the tractor, so to avoid fatal accidents.

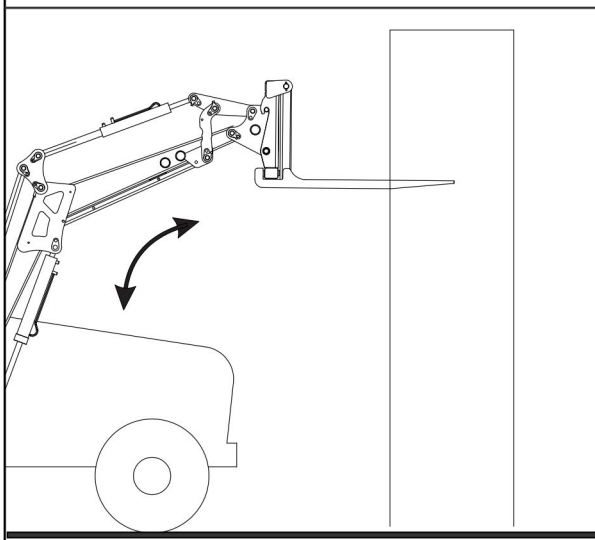


- When working with the Big-Bag ALWAYS Keep the boom collapsed, so it is next to your tractor supported on the frame and the ground.
- Never transport the Big-Big with the boom forward, as it may cause serious accidents such as overturning.

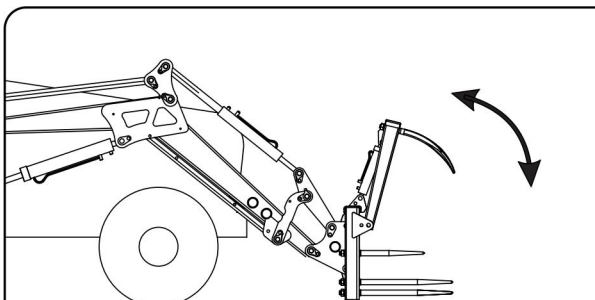




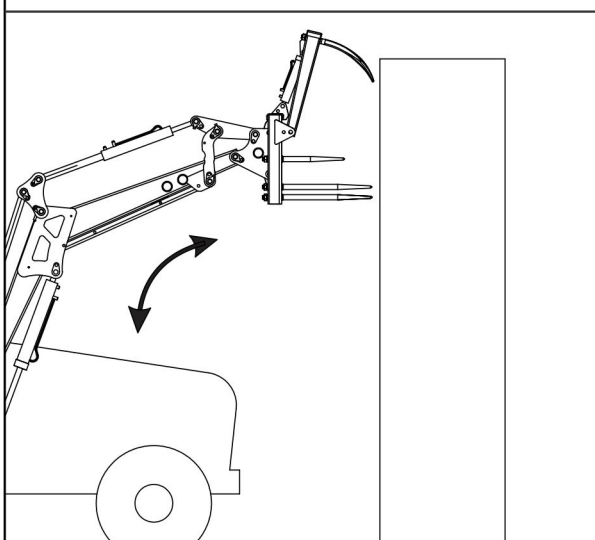
- When working with the truck, fit the booms on pallets and tilt 5 degrees up, raising the product.



-When placing the pallet in place, check if is fully seated. Then tilt 5 degrees down and slowly remove the tractor.



- When working with the fork for silage or fork for log, bring the tractor close to the pallets and tilt 5 degrees up, raising the product.



- When placing the pallet in place, make sure it is fully seated. Then tilt 5 degrees down and slowly remove the tractor.



Industria de Implementos Agrícola VENCE TUDO is not responsible for the misuse of their equipment, for this reason and others, the company requires that you read the operating manual. This is provided with your implement.

## 10 – PERIODIC MAINTENANCE

### 10.1 – RECOMMENDATIONS

- Every 8 hours or daily;
- Daily check the tightness of the nuts, bolts, screws and other fasteners of its equipment;
- Lubricate all grease fitting points, as identified on your machine, making sure the quality of the lubricant is good;
- Check your tractor's oil level;
- Replace the tractor's oil after 50 hours of work with PVT.

**Note:** Before starting the operation with PVT, it is recommended to start the engine of your tractor to warm the oil.

### 10.2 – RECOMMENDED GREASES

- ATLANTIC
- CASTROL
- ESSO
- IPIRANGA
- PETROBRÁS
- SHELL
- TEXACO
- LITHOLINE MP2
- MOBILGREASE MP
- BEACON EP 2
- ISAFLEX EP 2 (PADRÃO DA FÁBRICA)
- LUBRAX GMA2
- RETINAX OU ALVANIA EP 2
- MULTIFAK MP 2 OU MARFAK



**Do not throw waste, oils, filters, batteries, fuel and other contaminants in the environment, it will harm your health and your family to future generations.**

**Forward used products for proper recycling and work respecting nature.**

**Nature thanks you!**

## 11 – OPERATIONAL MAINTENANCE

PROBLEMS	CAUSES	SOLUTIONS
- Lift arms go down without triggering the command.	- Hydraulic cylinder with damage repaired. - Repair of damaged remote control.	- Replace the repairs.
- Lift cylinders rattle when raising or lowering PVT.	- Air in the hydraulic system. - Low oil level.	- Fill to the level recommended by the tractor manufacturer.
- Excessive gap in the joints.	- Lack of lubrication of articulations.	- Replace the lock pins and bushings.
- The hose does not connect on the remote control valve.	- Couplers of different types. - Pressure in hoses.	- Replace the same by terminals and couplers of the same type. - Remove the pressure hose by pressing the tip of the terminal (male) on a clean, flat surface.
- Hydraulic cylinders do not move or with difficulties.	- Pressure of unequal remote control valves. - Damaged or dented hydraulic pipes. - Insufficient hydraulic control pressure. - Reversed hoses. - Defective hydraulic cylinder.	- Adjust the pressure valve of the remote control. - Replace the hydraulic lines. - Adjust the hydraulic control through the relief valve. - Normal Pressure 180 kg/cm <sup>2</sup> . - Make a visual inspection and properly install the hoses. - Replace the repairs or replace the cylinder.
- Leakage at the terminals of the implement hoses.	- End of life of the hoses.	- Replace with new and original hoses.
- Leak in the hydraulic cylinders.	- Damaged repairs. - Damaged rod. - Oil with impurities. - Working pressure greater than recommended.	- Replace repairs. - Replace the rod. - Replace oil, repairs and filter elements of tractor. - Regulate the command through the relief valve with the help of a manometer.
- Leak in the hydraulic command's quick hitches.	- Working pressure greater than recommended	- Replace repairs. - Adjust the hydraulic control through the relief valve.

**REMARK:** When performing these first operations, seek technical guidance from VENCE TUDO.