

## **BWPRO** and **BWALL** Bale Wrappers



## **ELLIPTIM**





**OWNER'S MANUAL** 







#### **IMPORTANT**

THIS EQUIPMENT MAY BE SUBJECT TO DIFFERENT LAWS IN SOME PROVINCES, STATES OR COUNTRIES.

THE USER MUST KNOW LAWS AND RULES GOVERNING TRANSPORTATION AND USE OF THIS EQUIPMENT ON PUBLIC ROAD.

OWNERSHIP OF THIS EQUIPMENT DO NOT CREATE SKILLS, ABILITIES, TO OPERATE THIS EQUIPMENT.



# INLINE BALE WRAPPER

## ALL USERS OF THIS EQUIPMENT MUST SEE THIS GUIDE BEFORE OPERATION



CONSTANT ATTENTION MUST BE GIVEN WHEN USING THIS EQUIPMENT.

THIS EQUIPMENT CAN NOT BE LEFT UNATTENDED FROM THE USE THEREOF.

NEVER STAY UNDER THIS EQUIPMENT

NEVER GO INTO THE WRAPPING PERIMETER WHEN THE MACHINE IS WORKING OR POTENTIALLY WORKING

> MISUSE OF THIS EQUIPMENT MAY CAUSE DAMAGE AND SERIOUS RISK.

> > COMPONENTS MUST BE VERIFIED BEFORE USING THIS EQUIPMENT.





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#### **WARNING**

SOME PARTS AND / OR COMPONENTS
OF THIS EQUIPMENT ARE PATENTED
AND MAY NOT BE COPIED AND / OR REPLICATED,
THIS VIOLATE THE LAW.





#### 1. INTRODUCTION

The user must take note of the following information that may change the nature of the agreement between the manufacturer and the consumer / owner of the equipment.

#### 1.1 NO MODIFICATION

In no event shall this equipment be changed without the agreement of the manufacturer. Defects caused by alteration or modification of this equipment in its nature or vocation, voids all warranties.

#### 1.2 USAGE

Normal usage for this equipment includes depreciation or damages caused by wear due to the operations and regular operation.

#### 1.3 MAINTENANCE

Lack of reasonable and proper maintenance, non-compliance of the operating instructions and / or the inability to manage the product according to the specifications, mis- use, lack of proper protection during storage, or accident, are made by the user.

#### 1.4 USER GUIDE

This manual should follow and be included with this equipment at all times and is considered one of the components of this equipment.

#### 1.5 AUTHORIZED OPERATOR

Only authorized and trained personnel may proceed with the operation of this equipment, its maintenance and transportation.

#### 1.6 LIMITED WARRANTY

This equipment comes with a limited 12 month warranty available from manufacturer. PEQUEA MACHINE INC. warrants to each purchaser of a PROLINER or ALLLINER for a period of one (1) year after the date of original purchase, be free from defects in material and workmanship.

PEQUEA MACHINE INC. warrants accessories, service parts and components purchased separately for a period of one (1) year after original purchase to be free from defects in material and workmanship. Within ten (10) days after the discovery of any alleged defect, the purchaser must notify PEQUEA MACHINE INC. of the claimed defect, in writing, provide proof of original purchase and, at PEQUEA MACHINE INC.'s option, return the allegedly defective part to PEQUEA MACHINE INC. FOB its factory or to its authorized distributor or dealer.





#### 1. INTRODUCTION

#### 1.6 LIMITED WARRANTY

This warranty excludes any secondary damages such as crop losses and/or income due to a broken or non-availability of replacement parts. Regarding the final product: Silage, its quality depends on several factors (quality of hay to be wrapped, the quality of plastic used, etc.). PEQUEA MACHINE INC.'s present warranty does not in any way, whether implied, specified or otherwise, hold PEQUEA MACHINE INC. responsible or otherwise cover for any consequential or indirect damages, for any liability for lost forage or to poor preservation thereof, including but not limited to, bodily harm, misuse or abuse of product, use outside the products defined purpose, property damages in all instances, loss of productivity, activity or profit by any user whether the purchase or otherwise.

#### 2. SAFETY

#### 2.1 UNDERSTANDING LABELS AND INSTRUCTIONS

The user must interpret these signs in order to understand the risks associated with operations and functions of the equipment.

The following labels or warning signs must be considered by all users:

- a) A dangerous situation that could result in injury to the user.
- b) A dangerous situation that can cause breakage of the equipment.
- c) A dangerous situation that could lead to hazards in a perimeter of the equipment.
- d) The handling and use of flammable, toxic and / or caustic fluid.













#### 2. SAFETY

#### 2.1 UNDERSTANDING LABELS AND INSTRUCTIONS

DANGER indicates a hazardous situation which, if not avoided, will cause serious injury or even death. In this manual, the use of this word is restricted to the most extreme situations, especially for parts of the machine which, for practical reasons, cannot be fitted with safety devices.

WARNING: Indicates a potentially hazardous situation which, if not avoided, can result in serious injury or even death. This includes dangerous situations that occur when the security guards are removed and also the situations resulting from unsafe use of equipment. CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. This word can also be used to identify unsafe practices. NOTE: It is very important to always stop the engine and remove the ignition key before entering the area that is located inside the security grids, get on the machine, adjust the photocell, making maintenance in the region of the plunger and fill the tank of oil and gasoline.

#### 2.2 GENERAL SECURITY CONSIDERATIONS

This equipment is not made for people who are not familiar with its operation and is dangerous for children. As the majority of farm machinery, the operator of this machine should be a responsible adult with experience in the operation of such machinery. Do not allow anyone to use this equipment until they are familiar and had read this owner's manual, understands the operation of the machine and could develop a good understanding of safety precautions related to this machine.

#### 2.3 MAINTENANCE OF LABELS

Keep safety labels clean and legible at all times. Replace safety decals if they are missing or illegible. Safety decals are available at your dealer or manufacturer.

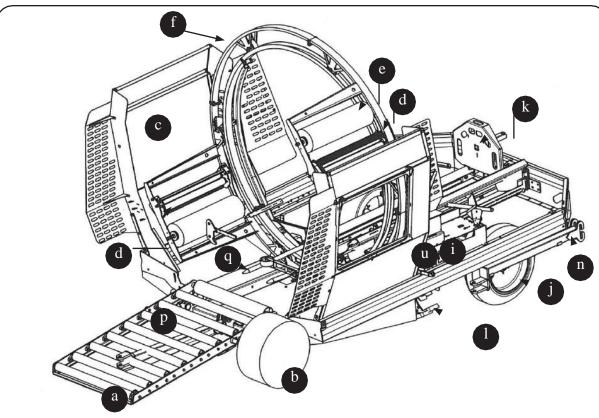
#### 2.4 HAULING THIS MACHINE ON THE ROAD

You can tow your bale wrapper, but the maximum recommended speed is 25 MPG (40 KPH). Certain precautions can help you avoid unpleasant situations, we therefore recommend: Make sure the front tailgate is supported securely with two bars and safety pins on the lift cylinder;

- Check that the hitch is securely held in place using the two (2) pull pins and its locking pins.
- Attach a safety chain to the hitch if you tow the bale wrapper on public roads.
- Make sure the steering wheels are straight.
- Comply with laws governing the movement of farm machinery on public roads.
- Raise the front wheels at its maximum.
- Use road signs necessary to ensure the safety of drivers and passengers of other vehicles on public roads. A variety of road signs are available from your local farm machinery dealer.

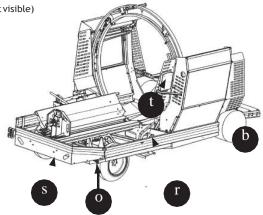


### 3. **DESCRIPTION**



- a) Front gate
- b) Traction wheels
- c) Side guards
- d) 30" tensioners
- e) Plastic holder
- f) Hoop
- g) Side door (service door)
- h) Hoop brake
- i) Hydraulic valve selector
- j) Steering wheels
- k) Pusher
- l) Hoop speed selector

- k) Pusher
- l) Hoop speed selector
- m) Plastic detector (not visible)
- n) Tow bar
- o) Pusher bar (not visible)
- p) Roller
- q) Spears
- r) Engine
- s) Equipment ID
- t) Toolbox
- u) Emergency switch





#### 4.1 SOFTLY SAND THE SPEARS

When this machine is delivered new, it comes with a piece of sand paper available within the toolbox. The toolbox is a black case installed on the right side of the machine aside the guard.

Take advantage of this sandpaper to softly sand both spears of the wrapper. This will ensure that the plastic will not stick to the spears.



#### 4.2 SOFTLY SAND THE ROLLERS

Repeat the previous section this time with the rollers of the front gate. Softly sand both rollers of the wrapper. This will ensure that the plastic will not stick to the rollers.



#### 4.3 STARTING THE ENGINE

For transportation, this machine may not have any gasoline in its reservoir. Fill the reservoir only with regular or premium unleaded gasoline. Never fill a reservoir on a running or hot engine, spills would be instantly flammable.



#### **DANGER**

Always transport and store gasoline in a secure location.

#### 4.4 RESERVOIR GATE VALVE

The reservoir comes with a main gate valve. For transportation, this vave is, and must be, positioned at its closed position, "OFF".

#### 4.5 CHOKE

The engine comes with a CHOKE. The operator can easily set the CHOKE in order to facilitate start-up in cold temperatures or various other situations.



#### **DANGER**

Pay attention to HOT engine.

#### 4.6 START-UP

Locate the key switch. Engage the key. Turn the key toward the right to the "ON" position to activate the starter. Release the key once the engine isrunning.





#### 4.7 REMOVE HYDRAULIC CYCLINDER PROTECTORS

For transportation, this machine is equipped with hydraulic cylinder protectors. It will be impossible to lower the gate if these protectors are in place.

#### STORAGE OF THE PROTECTOR

There is a hole punched in the gate, to stire the protector. The protector will remain in place with the safety pin engaged.



For transportation, this machine is equipped with hydraulic cylinder protectors. It will be impossible to lower the gate if these protectors are in place.



NEVER STAND OR REST BETWEEN THE EQUIPMENT AND THE GROUND.

NEVER ALLOW ANYONE TO STAND AROUND THIS EQUIPMENT WHEN YOU ARE OPERATING.

Start the engine and lower the front gate until you reach the ground. From this point release the valve. Then lift up again the front gate, for the first sequence, the machine needs to be elevated and to have the front gate also elevated.









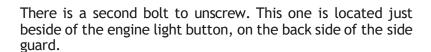


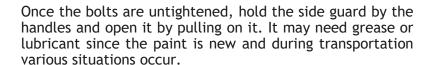


#### **4.9 OPENING THE SIDES**

For transportation, this machine is folded. You will need to unscrew a few bolts and nuts in order to give this machine its full wide opening.

Locate the screw in front of the machine, in the plate behind the front tire. Unscrew this bolt.





Repeat this operation on the other side of the machine.

Re-fasten all bolts and tighten them in a secure way.















#### 4.10 STEERING WHEEL

Start the engine. Using the hydraulic valve selector, pull or push the joystick (2nd from the back) in order to make the wheels turn both sides. Do not force once its maximum turning angle has been reached.

#### STEERING ACTION DURING MOVEMENT

When you are moving the machine, the steering action is strongly diminished. As soon as you stop the machine, the steering will be back to its full power.

#### 4.11 BALE PUSHER

Using the hydraulic valve selector, pull or push the joystick (1rst from the back) in order to make the pusher travel forward or backward.

#### SPEED DURING MOVEMENT

When you are moving the machine, the speed of the machine is set to low. If you want to increase the speed of the machine by increasing the speed of the engine, pull the Pusher joystick once or twice in order to increase the RPM.

To set engine back to idle or low RPM' set the pusher back to its initial position.

#### 4.11 HOOP BRAKE PEDAL

During normal operation, especially when installing the plastic rolls or when servicing the tensioners, you will have to use the HOOP BRAKE PEDAL, This pedal is located on the right side of the machine almost under the hydraulic control valve. There is a label installed on the pedal of the brake.







**HOOP BRAKE** 





#### **4.12 HOOP SPEED CONTROLLER**

On the left side of the machine, locate the HOOP SPEED CONTROLLER. This controller controls the hydraulic flow dedicated to the hoop speed. It can be control and positioned to the needs of the operator.



#### 4.12 HOOP CONTROLLER

On the left side of the machine, locate the HOOP CONTROLLER. This controller controls the action of the hoop. When pulled, it will engage the mechanism and the hoop will then turn.

To stop the hoop from turning, push back the controller in place until the hoop slow down and stops.



#### 4.13 LOWERING AND LIFTING OF THE MACHINE

This machine is equipped with hydraulic independent traction wheels. These wheels are used to raise and lower the machine for any given situation.

Start the engine. Using the hydraulic valve selector, pull or push the joystick (4th from the back) in order to make the wheels move upward and downward.

For all movements (field change, location modification, etc.) you must raise the machine.

When you are wrapping, the machine should be lowered.





#### **4.14 TENSIONNER**

For safety reasons, when you open the side door to install the plastic roll, all automatic functions will stop. To resume, simply close the side door. Plastic is placed on the intermediate roller before being introduced into the plastic stretcher.



#### 4.15 PLASTIC STRETCHER'S HOLDERS

Open the service door located on the left side of the machine. Remove the safety pin on the plastic stretcher. You may need to initiate the following procedure in order to set the tensioner at the appropriate location.

- a) Start the engine
- b) Release the BRAKE PEDAL by pulling upward on it with your foot
- c) Using the HOOP CONTROLLER, turn the hoop until the tensioner is located straight in front of you.
- d) Engage the BRAKE PEDAL.
- e) Stop the engine.

#### 4.16 PLASTIC ROLL INSTALLATION

- a) Push the plastic stretcher holder into the opening.
- b) Take one (1) plastic roll and put in place by:
  - a) First put the end of the roll into the plastic stretcher's holder located toward the front of the machine.
  - b) Second, by raising the other end of the plastic roll near the holder, pull until the male part finds its way into the hard paper portion of the plastic roll. Put the safety pin back in place.







#### 4.17 INSERTING THE PLASTIC IN THE TENSIONER

Take the roll and make a tight tail out of it. Feed this tail between the rubber roll and aluminum tensioners.

Take advantage of the label located on the interior side panel.

IMPORTANT: The two rollers of the aluminum plastic stretcher do not rotate at the same speed, which causes the stretching of the plastic. Therefore it is necessary and very important that the plastic goes through the slow roller first, and the fast roller second.

To identify the rollers (in case the tensioners have been removed):

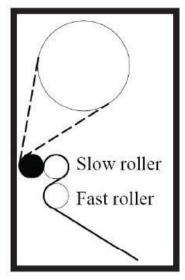
- 1) Draw a mark on each roller with an appropriate marker and spin the roller for a complete turn.
- 2) Locate the mark on the other roll;
  - a) If the mark indicates that the roll has made more than one turn, it is the fast roller.
  - b) If the mark indicates less than one turn, it is the slow roller.

We recommend identifying the fast roller by drawing a mark on each end of the plastic stretcher. Proper installation of the plastic wrap allows tighter wrapping on the bale and thus the formation of an even row.

Then, you must make the hoop to turn about 1/4 turn (you will-need to start the engine again and repeat the release BRAKE PEDAL, rotate HOOP with HOOP CONTROLLER, set the BRAKE, shut off the engine sequence) in order to put the plastic tail into the tail holder located at your right on the hoop rail.

Repeat this entire process for the second plastic roll installation.











#### 4.18 CHOOSING WRAPPING SITE

Choose a site that will provide enough space to get the bales in rows of sufficient length. Once installed, the PEQUEA PROLINER bale wrapper operates very quickly. The selected site is expected to make a row of 50 bales or more. Remember to choose a site that is accessible in the winter and will not be subject to flooding in the Spring.

To maximize efficiency of the bale wrapping, it is best to choose a firm surface on which to work. Whenever possible, be sure that the wrapping operations will get done on flat ground or on a slight upward slope. If your site requires you to do wrapping on a slope, it is possible. Note: a site free of weeds and debris will not attract rodents to damage the plastic.

#### 4.19 WRAPPING

Keep in mind that this machine is using powerful components and dangerous moving parts, always respect safety procedures and warning signs.

- a) The CONTROL BOX is located left of the joysticks controller. Make sure the switch of the computer is set to "manual".
- b) Raise the front of the machine to be level.
- c) Lower the front axle to the lowest position.
- d) Make sure the lever selector is placed at "MOVING".
- e) Place on the bale wrapper unit a bale that has been previously bagged (so bale will seal the end of the row)
- f) Activate manually the pusher of the unit to push the bale into the hoop in order to leave enough room for the incoming next bale.
- g) Return the pusher to its original position.
- H) Then place a second bale on the unit.









#### 4.20 ENGAGING THE WRAPPING PROCESS

Manually activate the hoop using its lever to begin placing plastic wrap on the first bale. The hoop must make a few laps to make sure the plastic is affixed on the bale adequately. If needed, adjust the oil divider to the hoop at "6" starting position.

- a) The machine must now be set to its lowest position on its front wheels by using the manual control.
- Place the lever MOVEMENT CONTROLLER at "Neutral".
- b) Switch the computer lever to "automatic" position. The machine is now ready to do wrapping in automatic mode.

It is now time to put additional bales on the machine using a pic or a grabber for round bales. Note: You should not put bales on the machine from the side, but rather from the rear. The photocell detects the bale is in place on the unit and it will begin its wrapping cycle about 3 seconds after detecting the bale.



#### 4.21 ADJUSTING THE LAYERS OF PLASTIC

To adjust the number of layers of plastic wrap on the bales, you must change the lever position of the oil divider on the hoop. The higher the number, the faster the hoop rotates and the number of layers of plastic film increases.

Note: A 6'' cross plastic film is the equivalent of 4 layers thick and a 4'' cross plastic film is the equivalent of 6 layers of plastic film on the bales.

#### 4.22 FROM NEUTRAL TO WRAPPING

To adjust the number of layers of plastic wrap on the bales, you must change the lever position of the oil divider of the hoop. The higher the number, the faster the hoop rotates and the number of layers of plastic film increases.

Note: A 6'' cross plastic film is the equivalent of 4 layers thick and a 4'' cross plastic film is the equivalent of 6 layers of plastic film on the bales.





#### **4.23 PLASTIC WATCH DETECTOR**

The machine is equipped with a system that suspends the wrapping cycle and allows you to fix the problem of plastic wrap and then continue the cycle.

The PLASTIC WATCH is located on the left side of the machine, under the bed. There is a white teflon rod at the end of this dedicated system.

During a break or when the plastic film rolls are empty.

Stop the gasoline engine, open the security door and install 2 rolls of plastic film. The plastic film which has been threaded into the tensioners must be hung on the hook provided for this purpose on the inside hoop. Once the security door is closed properly, restart the gasoline engine.

If the machine was in a wrapping cycle, it will complete this cycle and if the machine was waiting to receive a bale to be wrapped, it is again ready to receive one.



#### 4.24 LAST BALE OF A ROW

Before placing the last bale of the row on the unit, make sure to place the bale in a bag, the same type of bag as the one used for the first bale.

Place the bale on the machine to allow it to perform its last wrapping cycle. Once this last cycle is completed, turn the switch on the computer to the position "MANUAL".







#### **4.23 PLASTIC WATCH DETECTOR**

The machine is equipped with a RAM PUSH BALE System. With this system, the operator will completely push the last bale out of the machine.

Take the aluminum bar which is on the right side of the machine. Position the holes of the bar on top. Turning the bar 1/8 turn to the left to insert it into the pusher plate.

Once inserted into the pusher plate, turn the bar 1/8 turn clockwise to lock it.

Remove the pin of the latch that holds the pusher in place. Now push the aluminum bar and the pusher to the last bale of the row. Make sure the latch is in its lowered position so it can engage in the holes in the bar during the thrust.

Move the lever from the "Wrapping" position to the "Neutral" position to facilitate the emptying of the machine. Activate manually the "Bale pusher" and the hoop to wrap the last bale of the row.

Stop the gasoline engine, open the security door to cut the plastic wrap between the hoop and the row.

Close the security door and restart the gasoline engine.

Make sure the steering wheels are straight and that the machine moves in a straight line to avoid increasing the lateral force on the aluminum bar.

Manually activate the "BALE PUSHER" of the machine to release the row which is now complete. After two (2) complete pushes, the machine will be completely released from the row and the last bale.















#### 4.23 RAM PUSH BALE SYSTEM

Once the machine is released, bring back the "Bale pusher" to its original position using the manual control.

Pull the aluminum bar so that the "Bale pusher" returns to its initial position. Turn the aluminum bar 1/8 to the left to unlock and return it to its storage area on the machine.

Replace the latch pin of the pusher by inserting the latch into the hole of the corresponding "BALE PUSHER".

The machine is now ready to move to the next row.















#### 4.23 RAM PUSH BALE SYSTEM

This machine has an automatic function to put more plastic on the bale wrapping joints. You can change the parameters of this function by changing the switch position to "LS3" and by changing the lever position of the oil divider of this function.

When this function is activated, the pusher slows in proportion to the lever position of the oil divider without changing the speed of the hoop. This has the effect of wrapping more plastic on the row. The fact that this function is activated during the push improves the sealing of the bale's joints.

This function can also be activated from the wireless remote by keeping the button # 6 pressed. The function remains activated as long as the button #6 is held down. It may be convenient to use this function with the remote in case you put a bale on the machine which is deformed or has broken strings.



This machine has an EMERGENCY STOP SWITCH located on the computer control box. This EMERGENCY STOP SWITCH is a red button.

#### **4.26 TOW BAR**

This machine has a TOW BAR located on the left side, back end of the machine. The TOW BAR is inserted in a holder.

To move the machine on the road, at a speed never exceeding 25 MPH, simply connect to TOW BAR to the tractor's hitch.

IMPORTANT: When moving the machine make sure that the front wheels are raised up and that the front portion of the loader is clear underneath.











#### 4.27 BED ADJUSTMENT FOR BALE DIAMETER

The operator can modify the curvature of the bed of the wrapper by raising or lowering the bed's sides. The sides will be raised or lowered in the same way both sides. DO NOT USE UNEVEN ANGLES.

- a) Unscrew the bolt located at the end of the hinge of the bed.
- b) Un-engage the safety pin of the ADJUSTMENTKEY.
- c) Pull off the ADJUSTMENT KEY.
- d) Using the handles, raise up or lower the bed.
- e) Put back the ADJUSTMENT KEY.

Repeat the same procedure of the other side, making sure that the adjustment is identical.







#### 4.28 HYDRAULIC OIL RESERVOIR

The hydraulic oil reservoir is located under the right bed. The level should be regularly checked, but never when the engine is running or when the oil is hot.



**DANGER**Pay attention to HOT engine.



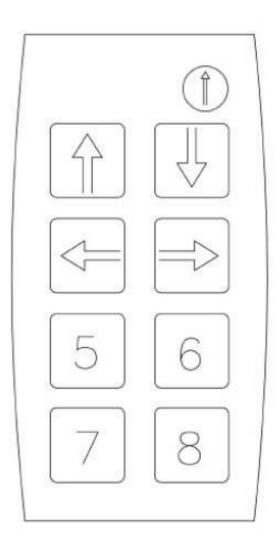


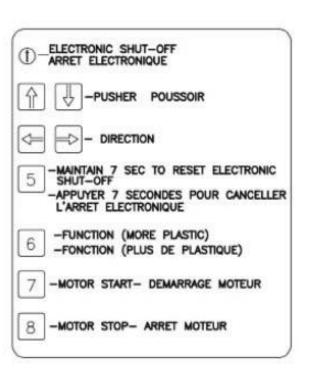


#### 4.29 REMOTE CONTROL

This machine can be operated with a remote control from the tractor's seat. The following operations can be achieved:











## 5. TROUBLESHOOTING

The bale pusher moves forward by strokes and does not go all way of its course.	Check hydraulic fluid level, add if necessary.
The bale pusher goes to the end of its course and does not return,	The switch « LS1 » (see Picture 10) may be activated, ensure that the lever of the switch operates freely.
The bale pusher returns to the rear of the machine and the engine stops.	The switch « LS1 » (see Picture 10) needs adjustment. Loosen the screw on the switch and adjust the lever so that it is tilted forward to the maximum. As soon as the pusher will touch it, it will give it the signal to stop. You can also move the switch along its bar.
The bale pusher moves forward at the end of its stroke and the engine stops.	The switch « LS4 » (see Picture 10) needs adjustment. Loosen the screw on the switch and adjust the lever so that it is tilted backward to the maximum. As soon as the bale pusher will touch it, it will give it the signal to return. You can also move the switch along its bar.
You do not have enough time to drop the bale on the machine before the pusher moves forward.	The photocell located on the side of the table, the same side as the control box, needs adjustment.
The hoop starts to turn too early or too late.	The switch «LS2» (see Picture 10) needs adjustment. Move the switch along its bar to the desired position. Moving it backwards, the hoop will start turning earlier and in moving it forward, it will produce the opposite effect.
There are wrinkles in the plastic joints and overlaps are easily visible.	The plastic is not properly passed through the rollers of the tensioner. Make sure the plastic is installed correctly, refer to Picture 1.
The plastic stretcher is installed upside down.	Check the installation of the plastic stretcher, the fast roll must be on the outside (see Picture 1).
The gears of the stretcher plastic are broken.	Gear wear can occur after prolonged use. Hold firmly an aluminum roll and try to turn the other. If the rollers rotate independently of





## 5. TROUBLESHOOTING

	each other it is that the gears are damaged and must be replaced.
The plastic rips between the plastic stretcher and the bale.	The support of the plastic spools does not rotate freely. Lubricate it properly until it turns freely by hand.
Poor quality plastic.	Use a better plastic with good tear resistance.
Accumulation of a layer of sticky dust on the rollers of the stretcher plastic.	Especially in hot weather; the products used to hold together the layers of plastic can be deposited on the rollers. You just have to clean them with warm soapy water.
Plastic rolls that rubs underneath the bales.	If the bales are not round or if they are soft, it is possible that the roll of plastic catches the bottom of the bales and makes the wrapping plastic tear. Wrap bales perfectly round and firm.







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