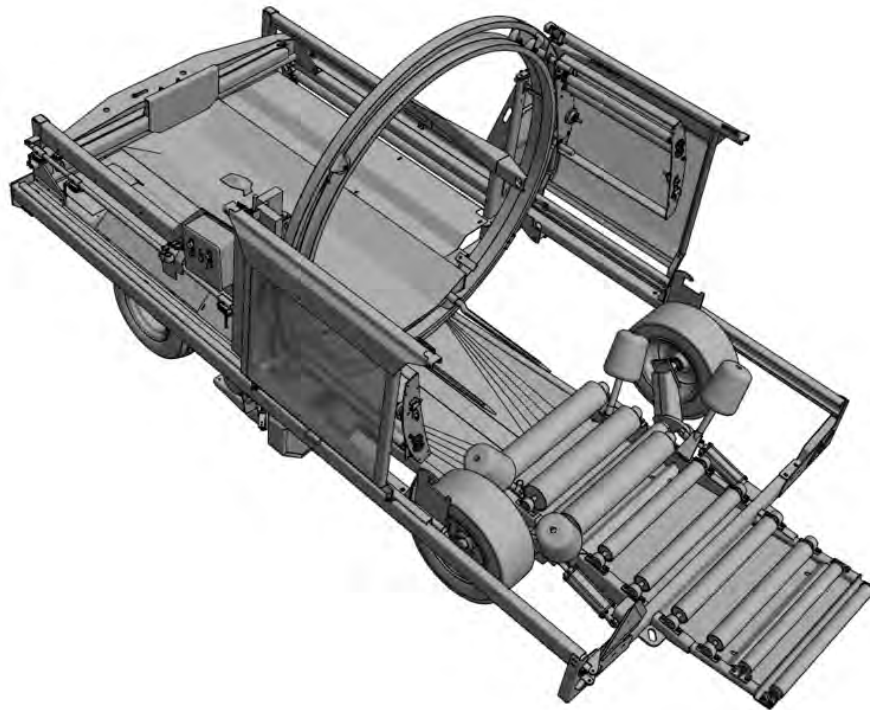


# Tube-Line Balewrapper

# TLR5000AX2



# Operator's Manual

Thank you for choosing the Tubeline TLR5000AX2 Balewrapper.  
Our hope is that it will give you many years of productive service.  
This machine is designed to wrap bales in a continual line with plastic film.  
Please read and understand this manual and the machine before operation.

## Warranty and Limitation of Liability

All equipment is sold subject to mutual agreement that it is warranted by the company to be free from defects of materials and workmanship. But the company shall not be liable for special, indirect or consequential, damages of any kind under this contract or otherwise. The company's liability shall be limited exclusively to replacing or repairing without charge, at its factory or elsewhere, at its discretion. Any material, or workmanship defects which become apparent within one year from the date on which the equipment was purchased, and the company shall have no liability for damages of any kind. The buyer by the acceptance of the equipment will assume all liability for any damages, which may result from the use or misuse by his employees or others.

Warranty coverage is null and void unless Warranty Registration form has been completely filled in and is on file at Tubeline Manufacturing Ltd.

## Serial Number

The implement serial number is located on the front left corner of the frame. *(See below)*  
This number helps us to track changes and improvements and must be mentioned when ordering parts or requesting service. For your convenience, a space has been provided inside the front cover of this manual to record the serial number, model number, purchase date, and dealer name.

Model # : \_\_\_\_\_

Serial # : \_\_\_\_\_

Date Purchased : \_\_\_\_\_

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



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## Section 1 - Safety

**Take note!** This safety alert symbol is found throughout this manual to call your attention to instructions involving yourself and others working around the machine.

Failure to follow these instructions can result in injury or death!



This symbol means

**- Attention!  
Become Alert!  
Your Safety is involved!**

### **Safety Signal Words / Safety Messages**

**Caution:** Indicates a potentially hazardous situation that may result in injury.

**Warning:** Indicates a potentially hazardous situation that could result in serious injury or death.

**Danger:** Indicates a hazardous situation that needs to be avoided. It is you the operator that needs to be aware of these dangers.

If you have any questions not answered in this manual, please contact your dealer or Tubeline Manufacturing Ltd.

You can also check for a newer manual version at [www.tubeline.ca/support](http://www.tubeline.ca/support)

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## Safety Guidelines

Safety of the operator is one of our main concerns, however we do hear of some accidents that could have been avoided if some precautions had been taken. To avoid personal injury study the following precautions and insist those working with you or for you, follow them.

In most cases the pictures will have the shielding in place, in some they may be removed, only to show a view behind the shield. Keep all the shields, safety doors in place. If they become faulty and fail to work replace them. They are for your safety, do not operate the equipment with them removed.

Replace any decals that may be missing or that are not readable. Location of the decals is indicated in this manual.

Do not operate this machine while under the influence of drugs or alcohol.

Review the safety instructions with all users annually.

This equipment should not be operated by children, or with those unfamiliar with the operation of the machine. Do not allow persons to operate this machine until they have read this manual and/or were instructed by a qualified person.

Do not paint over, remove or deface any safety signs or warning decals on your equipment. Observe all safety signs and practice the instructions on them.



## Lighting & Marking

This machine is equipped with lights and reflectors as required by the most stringent government and ASAE specifications. They should work with the tractor 7-pin connector.



# Safety Decal Location



Rear Side Rail

(R) (C)



Rear

(S)



Safety Guard

(B)



Front

(H)

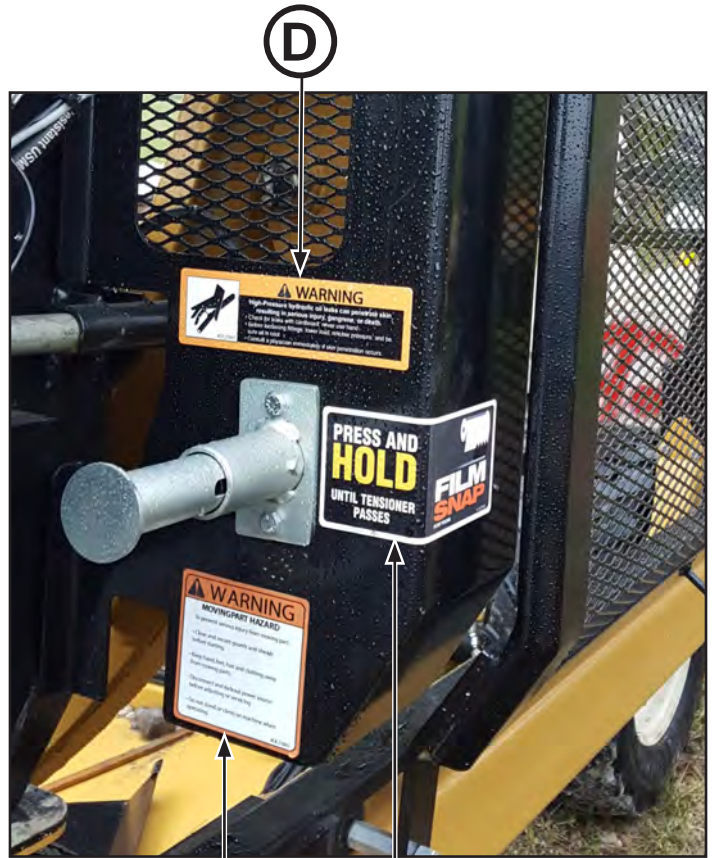


# Safety Decal Location



(E)

Control Panel



(D)

Door Mount



Left Side Deck

(R)

(T)

(G)



Right Side Deck

(F)

(O)

Front Right Corner



## Safety Decal Illustrations

Item - A

Part # : DE23839



Item - B

Part # : DE23845



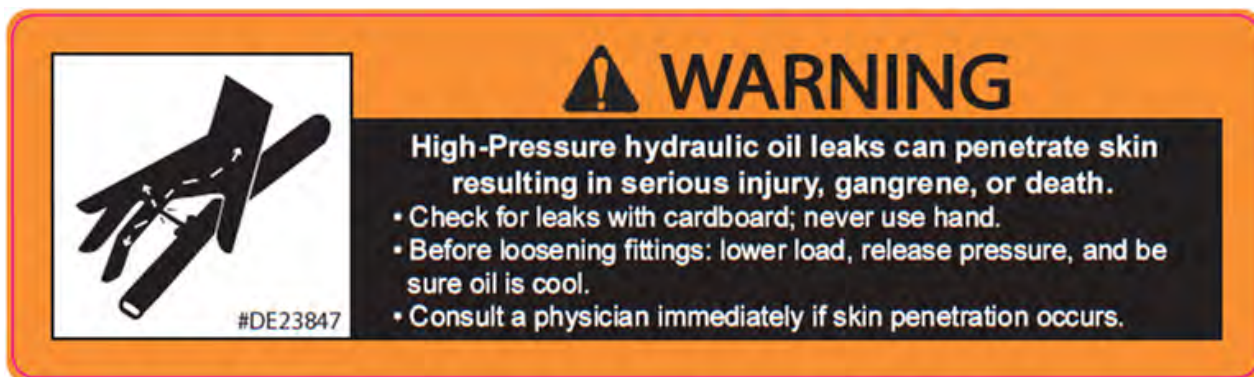
Item - C

Part # : DE23846



Item - D

Part # : DE23847





# Safety Decal Illustrations

Item - E

Part # : DE23939



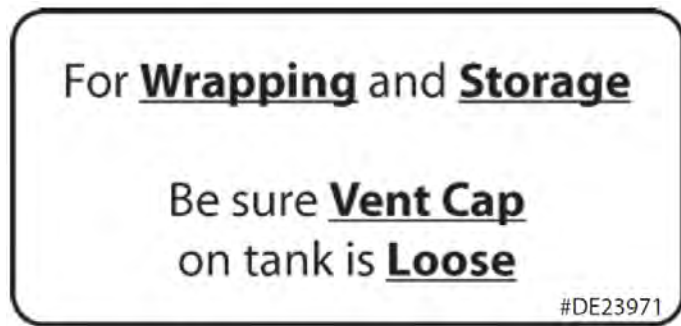
Item - F

Part # : DE23941



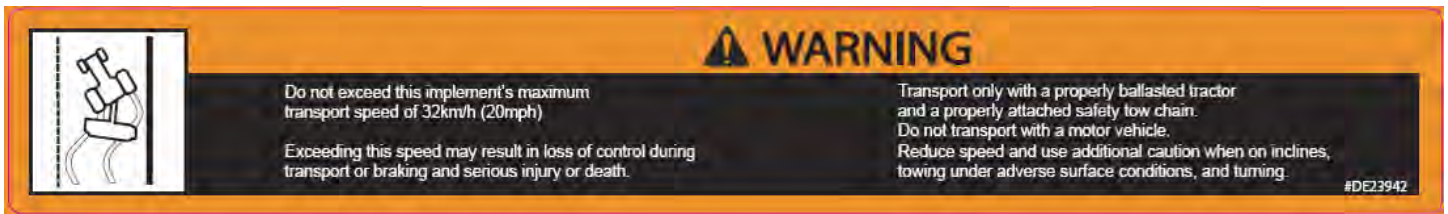
Item - G

Part # : DE23971



Item - H

Part # : DE23942



Item - I

Part # : DE23988



# Safety Decal Illustrations

Item - K

Part # : DE30879



Item - L

Part # : DE30880



Item - M

Part # : DE30881



Item - N

Part # : DE37509



Item - O

Part # : DECANADA



Item - P

Part # : DE23954



Item - Q

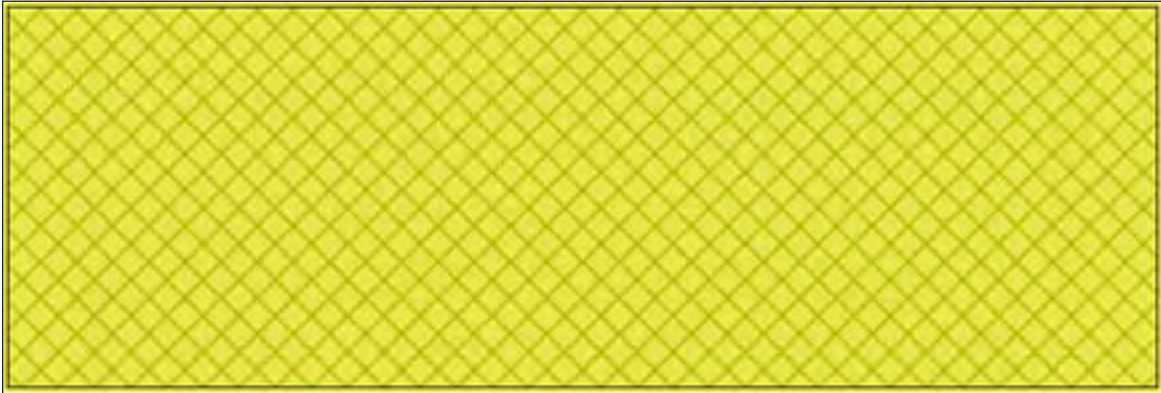
Part # : DE23955



# Safety Decal Illustrations

Item - R

Part # : DEAMBER



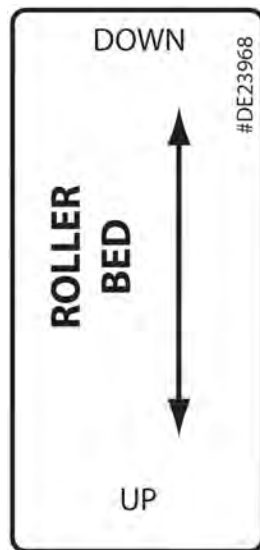
Item - S

Part # : DEREED



Item - T

Part # : DE23968





# Section 2: Operation

## Pre-operation

Your best assurance against accidents or damage to the machine is to know how it operates. If you do not understand a portion of the manual or a function of the wrapper, please contact your dealer or an experienced operator.

- Carefully study and understand the manual or be trained by an experienced operator.
- Do not wear loose clothing that may get caught in moving parts.
- Visually inspect the machine to make sure no parts are loose or missing.
- Be sure that no tools are left on the machine.
- Make sure no hay is lying on the engine and that the cooling fins are not clogged with dust and hay (this could cause a fire).
- Do not hurry the learning process. Be familiar with one part before trying the next part.
- Practice by running the machine through its paces, first in manual mode with no bales in the machine until you are comfortable and familiar with the operation. After you become familiar with the operation, switch the machine to Auto mode. Use a stick to push the bale trigger switch down to start the cycle.

## Recommended In-field Setup

We suggest the following method of operating the TLR5000AX2 Tubeline Wrapper:

- Park the wrapper where you want the end of the row to be, facing in the appropriate direction with the rear axle in its raised position.
- Apply parking brake and fold in the first section of the tongue and fasten the bracket into the hydraulic steering slider with the pin that held the tongue.



### Caution! Be Safe

Never ride on the machine while being used or transported.

Never climb on the table or inside the wrap chamber with the Engine running.

**WARNING:** Do not push down the bale trigger switch by hand.

## Tire Pressure

Proper tire pressure is 36 psi and should be maintained at all times. On the rear axle replace tire with the same type and brand if possible. If this is not practical then replace with a tire that has the same outside diameter.

## Big Bale Silage

The objective of big bale silage is to provide high quality forage using a minimum of equipment. To do this, crop must be cut at the correct stage of maturity, wilted, baled tightly and wrapped air tight, using a good quality stretch wrap.

The Tubeline wrapper makes timely harvest possible by reducing the dependence on the weather. It is much easier to get to wilt silage than to make dry hay. This also extends the working day, as the correct moisture to bale extends earlier and later in the day.

## Bales

Well-shaped firm bales are necessary for successful wrapping, using a hard-core baler. Bales are best wrapped as soon as possible after baling. If bales are left unwrapped they will sag and loose shape. Heating will start soon after baling and protein quality will be lost. It is desirable to wrap within four hours. In an emergency such as rain, the bales can be left 12 to 16 hours.

## Moisture

Successful silage can be made over a wide moisture range. In general, 40 to 50% moisture is satisfactory for dairy cows. Some beef farmers prefer 60 to 70% moisture as it limits intake. A good rule of thumb is to dry “Half-way to Hay”.

### Drier silage gives you:

- Lighter bales to handle.
- More desirable fermentation with fewer odors.
- Less freezing in the winter.
- Higher dry matter intake.

## Wrapping Site

Select a site that will allow room to make an adequate bale row length.

The Tubeline wrapper is very fast, but requires time to set up and move to a new line. There should be space for at least 50 bales in a row.

Select a site that is accessible in winter conditions and does not flood in the spring.

A firm surface is necessary for the successful operation of the wrapper.

Avoid soft ground, as the wrapper will not move forward smoothly if it is sinking into the ground. Wrap on level ground or a slight uphill grade.

A site that is free from grass and debris is less likely to attract rodents that can damage the plastic.

## Round Bale Size

The TLR5000AX2 will wrap round bales up to 6' in diameter. It will wrap all sizes smaller than this dimension as well.

Remember when making big bale silage the bales will be heavier than dry hay.

This puts extra strain on loading and transporting equipment. Also, bales will be heavier when feeding out and may have to be moved on wet ground or snow. As a result most operators reduce silage bale diameter to 4–5', even though the wrapper will handle larger size.

## Square Bales

The Tubeline wrapper TLR5000AX2 model is **NOT** intended for use with square bales of any size.

## Installation of Plastic

Turn control panel to “man” or stop the engine when changing plastic rolls. Never leave it in **AUTO** as your helper may set a new bale on the table or press the start button on the remote.

Procedures for maintenance, repairs or plastic rolls replacement:

1. Push the Emergency Button.
2. Remove the key from the motor (has to be kept by the end user to avoid accident).
3. Complete the required work.



**Danger!** Stop Engine before attempting to install plastic.

Plastic from the factory has a natural tack on the inside. In the event of the plastic being stored for an extended period of time the tack may migrate to the opposite side. To test for tacky side fold plastic inside to inside and pull apart. Fold opposite way (top to top) to determine tackier side.

The roll of plastic should be installed with the tack on the inside of the plastic film next to the bale silage. The plastic then passes over the slave roller and is threaded through the two metal rollers on the Tensioner as shown in the diagram.

The two metal stretcher rolls rotate at different speeds. This causes the plastic to be stretched. It is very important that the plastic goes over the slow roller first and the faster roll second.

If there is any question, which is the faster roller:

Turn one roller by hand and watch the speed of the other roller, this should help you determine which is the fast and slow roller.

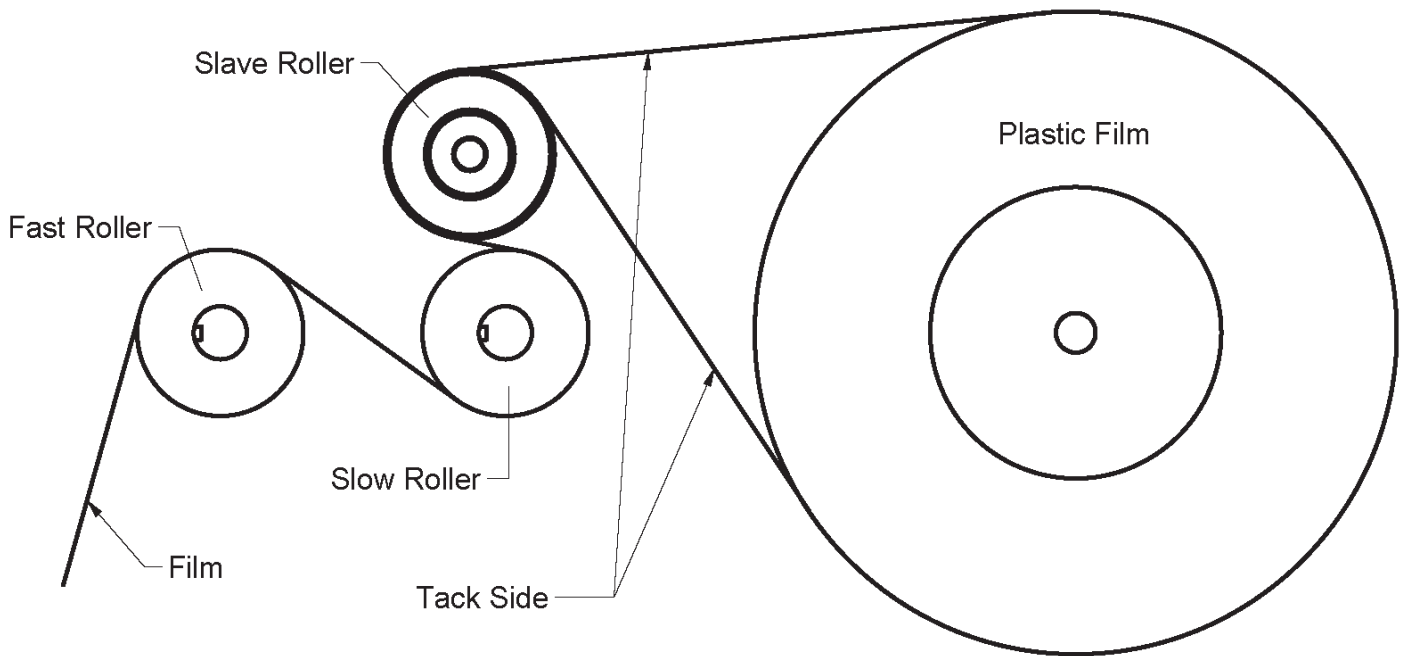
When the plastic is installed correctly, it should stretch tight on the bale to form a smooth tube.

## Trouble Shooting Plastic Installation

1. Wrinkles in the plastic with seams between layers easily visible. Check to determine if the plastic is properly routed through the Tensioner rollers.
2. Plastic tears between the Tensioner and the bale. Film spool holders: not turning freely. Lubricate and turn by hand until free. Slave roller not turning freely. Lubricate and turn by hand until free.



Tensioner rolls not turning freely: Loosen the bolts holding the bearing and check if this makes a difference. It may be that the bearings have too much end pressure, in this case re-tighten the bearings and loosen the locking collar on the roller shaft this will allow the shaft to slide in the bearing; re-tighten the bearing collar. The gears can also be meshed too tight; this can be fixed by slightly loosening one set of bearing bolts. Using a hammer and punch, lightly tap the bearing away from the other roller.



**Caution!** Do not use a hammer on the aluminum stretcher rolls.

Poor quality plastic: Use a brand with good tear resistance.

Tack build up on the rollers: Particularly in hot weather. Clean the Tensioner with warm soapy water.

Plastic roll is too hot: In very hot weather the plastic can become soft if left in the sun for long periods of time. In these conditions, the spare rolls should be kept in the shade. After the rolls have been installed on the machine one can be parked on the bottom and a cover can be placed on the top one.

Rolls of plastic may catch on the bottom of the bale. If bales are misshaped the roll of plastic may drag on the bottom of the bale, causing the plastic to break.

If wrapper is equipped with electric automation switch the control to **MAN**.



**Danger!** When the machine is in manual mode the safety switches and the film sensor do not function.

Test the hydraulics by rotating the hoop and moving the ram back and forth.

Install the roll of plastic according to the Plastic Installation diagram.



**Caution!** Close safety doors after installing plastic to avoid injury.



**Caution!** Round bale are heavy and silage bales are even heavier. Use only bale-handling equipment. Keep bales low when turning loader.

**Caution!** It is important that the bale sit firmly on the deck, as the bale spears should deflect the hay somewhat. Failure to do this may cause the plastic to stick to the spears and tear the plastic inside the bale.

## To Wrap Bales with Model TLR5000AX2

Before the first bale that will stay on the line is placed on the wrapper, place an end cap on the bale. (Check with your plastic supplier for suggestions).

- Pull about 4 ft of plastic through each stretcher and tie it under the twine on the bale, or tie it in the slots on the hoop brace (both sides).
- With the control panel switch **AUTO-MAN** set to **MAN** turn forward switch to advance the bale without the plastic stretcher applying plastic.
- As the bale is pushed through the hoop, start the hoop rotating to apply plastic by pushing in the **ROTATE** button.
- When the ram hits the switch at the end of the stroke the forward motion on the cylinder will stop. (This switch can be moved on the slider arm to accommodate your needs). More about this later.
- With the switch set to **MAN** the switch buttons will have to be turned and/or pushed and held, when you let them go the function will stop.
- Turning the reverse switch will retract the ram and open the bale pusher to accommodate the next bale.
- Wrap the 1st few bales in “man” until the first bale overhangs at rear of machine by 6 inches. Lower machine to the ground and disengage parking brake, if equipped with a power drive, disengage the hydraulic lever.

**NOTE-** You may want to leave some weight on the wheels until the wrapper starts moving to avoid bales from sliding on the ground.

- After you have wrapped a few bales in this way, switch “auto/man” switch to **AUTO** and place bale on the bale table. As the bale depresses the table trigger ram will start automatically. Adjust the second slider switch to start the wrap cycle at the same time that the bale makes contact with bales on the machine.



**Warning!**

## Stopping the Cycle

After the cycle has started in the automatic mode, turn **AUTO-MAN** switch to **MAN** (or if you have the optional remote kit, push the **STOP** button on the hand unit to stop the cycle. After the problem is rectified, finish the rest of the cycle in the **MAN** mode and then return to **AUTO** mode. (If you press start button on the hand unit it will also start the ram forward again except if the ram had passed the hoop start switch the hoop will not start with the ram).

For safety reasons, safety switches are installed in the doors. In **AUTO** mode the safety doors must be closed for the machine to work. In **MAN** these switches are bypassed.

## Steering

This wrapper is equipped with hydraulic steering. The purpose of this is to keep the wrapper operating in a straight line or to direct the wrapper around obstacles. If the ground is uneven or the wrapper is operated on the side of a hill, then it can drift out of line. The loader operator is usually able to detect if the wrapper is not moving in the desired direction. When steering around obstacles in the wrapping path do not make sharp turn as this prevents the bales from being tightly packed together. The steering speed can be adjusted with the needle valve at the manifold block.

When starting a row, align the wrapper in the desired direction for the row and ensure the steering is in the center position.

## Optional- Remote Control

With the remote control the machine can be controlled with a hand held unit. The table trigger switch should be unplugged. When the control panel **AUTO-MAN** switch is on **AUTO** the bale can be placed on the table without the cycle starting.

After the bales has been placed on the table and you want the cycle to start, press the start button on the hand unit. The machine will now go through the complete wrap cycle and stop at the end of the cycle. Two of the remote buttons are used to control right and left steering. The fourth button is the remote cycle stop.

**NOTE-** The **ON-OFF** switch on the control panel will turn off all the electric current to the Control Panel and also Engine Stop. The Honda engine does not have an electric ignition therefore the key can be left **ON** without the battery draining. The 20hp engine has an electric fuel valve and the key needs to be **OFF** when the engine is not running, as the valve will drain the battery.

## Slider Switch

Adjust the second slider switch to start the rotate motor when the bales have made contact. By adjusting the slider switch at the rear of the slider bar, which will stop the ram and the wrap motor, and reverse the ram cylinders. -TIP- Adjust the rear switch so that the junction of the 2 bales are in the middle of the wrap chamber.

It is possible to adjust the second switch so that the wrap will start just before the bales start moving through the wrap chamber, thereby putting extra plastic on the joint of the bale. The front slider switch is set to stop the ram retract stroke after the engine has throttled before the cylinder bottoms out.

## Brake

The TLR5000AX2 is equipped with a manual parking brake in rear left wheel.

If the wrapper is equipped with optional POWER DRIVE, the power drive is engaged and used as a parking brake.

**NOTE-** Make sure BRAKE IS **DISENGAGED** before transporting the wrapper.



## Pushing off Bales from the Wrapper

The automatic wrapper will have to be switched to **MAN** position for pushing the bale off.



**Danger!** The use of automatic setting when pushing off bales can cause severe injury or death.

To end bale row:

1. Open the bale pusher by pivoting the handle under the ram to the opposite side of that machine.
2. Start pushing last bale through the wrapper by using the reverse button and wrap button on the control panel. Continue pushing the bale through the wrap chamber until you have reached the end of the stroke.
3. Retract the bale pusher.
4. Open the safety doors, remove 2 x 3 tube from the Hydraulic tank side of the wrapper and lay it across the top of the Pushoff brackets.
5. Close the pusher a second time to push the bales further off the wrapper.
6. Open the pusher and move the 2 x 3 tube to the socket at the rear end of the arms. Close the pusher to finish pushing off the bales from the tail.

**NOTE-** The last pushoff brackets are lower than the hill rollers. **BE SURE** the tube is behind the rollers before pushing and remove the tube before opening pusher all the way).

7. Open the bale pusher, store the 2 x 3 tube in bracket secure with lock pin.
8. Undo steering, unfold tongue and insert lock pin.
9. Make sure the brakes are released before driving away.

**NOTE-** The last pushoff brackets are lower than the guide rollers. **BE SURE** the tube is behind the rollers before pushing and remove the tube before opening pusher all the way).

10. Open the bale pusher, store the 2 x 3 tube in bracket secure with lock pin.
11. Undo steering, unfold tongue and insert lock pin.
12. Make sure the brakes are released before driving away.



**Caution!** Before moving the wrapper any distance close the fuel valve at the engine! As the machine is towed it will bounce and shake, as it does this the carburetor float will let too much fuel into the system. Raw fuel can get into the engine cylinder and wash the cylinder walls down and end up in the engine oil.

## **Observe Maximum Transport Speed**

The maximum transport speed for this implement is 32 km/h (20 mph). Some tractors are capable of operating at speeds that exceed the maximum transport speed of this implement. Regardless of the maximum speed capability of the tractor being used to tow this implement, do not exceed the implement's maximum transport speed. Exceeding the implements maximum transport speed can result in: - Loss of control of the tractor/implement combination - Reduced or no ability to stop during braking - Implement tire failure - Damage to the implement structure or its components Use additional caution and reduce speed when towing under adverse surface conditions, when turning, and when on inclines. Do not attempt transport if the fully loaded implement weighs more than 1.5 times the weight of the tractor.

## **Build-up on Stretchers**

When wrapping in hot weather there can be a build-up of adhesive on the stretcher rollers. This can cause the plastic to break. Remove the adhesive with soap and water.

## **Wrapping Straw**

The TLR5000AX2 wrapper can be used to weather-protect straw. Only two layers of plastic are necessary. If the straw is dry, it may be wrapped continually without spaces. Straw that has some moisture is best wrapped with spaces in the plastic.

## **After Wrapping**

After wrapping, inspect the rows of silage regularly to ensure there is no damage occurring from birds, rodents or livestock.

## **Feeding Out**

With the TLR5000AX2, a loader can pick up bales without cutting the plastic. The plastic breaks away between bales and can be removed from the side of the bales before dropping the bales in the feeder.

Wrapped bales do not spoil as the line is fed. Unlike long bags of bales, the stretch wrap prevents air from moving past the bales and causing the bales at the far end to heat and spoil.

As the next bale is undisturbed it will not spoil for one to two days in warm weather and for at least a week in cooler weather.



## **Disposal of Plastic**

Users of bale wrappers are encouraged to collect all plastic to prevent it from becoming an environmental problem. Plastic, although bulky, is inserted in a landfill and will not pollute the ground water. Manufactures are making serious efforts to economically recycle silage plastic.

Use recycling services when available. Please do not burn the plastic!

Collect and dispose all plastic in an Environmentally Friendly manner.

Remember the air and the ground that you contaminate is your visible footprint for many generations!

Unsightly used silage film will encourage complaints.

## Section 3: Diagnostics

Electric Solenoid valves can be manually operated by pushing a small punch into the end of spool and holding it in. **Do Not Use a Hammer!**



**Caution!** Stay away from hoop when engine is running.

Inside of Control Panel control relays are numbered CR1 to CR5 from left to right.

Relay CR1 is wired to table trigger. CR1 will activate solenoid valve to extend ram cylinder. CR2 is wired to switch at the front slider, when ram is extended to this switch CR2 will close, energizing the wrap motor valve. Ram cylinder will extend and wrap motor will turn until ram comes in contact with slider switch at rear, then CR1 and CR2 will turn off and CR3 will turn on. Wrap motor will stop and ram cylinder will retract until ram cylinder trips the limit switch at the front end of table. All control will then turn off.

Testing can be done by pushing trigger plate and wait until machine goes through cycle, or you can push small square button on the front of relay 1 and let machine go through cycle.

When control relays are activated a small light goes on inside the relay.

When running machine through the cycle and wrapper motor or the cylinders do not work, check flow control valve to see if flow is going to both motor and cylinder.

Engine is stopped by grounding ignition, in case of ignition failure make sure that stop switch wire is not grounded to frame and engine is not in stop position. Steering is controlled by switch right/left on control panel through CR4 and CR5 activating coil A or B on steering solenoid valve.

With valves in neutral position, control panel on/off switch in off position, engine running fluid is pumped through valve stack and returned to reservoir.

Wrap cycle fluid flows from power beyond port on 2 spool valve to flow control, and is split into 2 circuits one circuit goes to double solenoid valve for ram cylinder, the other circuit goes to single solenoid valve for hydraulic motor.

By moving flow control handle more or less fluid will flow to cylinder or motor ie. As more fluid flows to cylinder less fluid will flow to motor and vice-versa.

## Electric Hydraulic Sequence of Operation

1. With valves in neutral position, control panel on/off switch in off position, engine running fluid is pumped through valve stack and returned to reservoir.
2. Wrap cycle fluid flows from power beyond port on 2 spool valve to flow control, and is split into 2 circuits one circuit goes to double solenoid valve for ram cylinder, the other circuit goes to single solenoid valve for hydraulic motor. By moving flow control handle more or less fluid will flow to cylinder or motor ie. As more fluid flows to cylinder less fluid will flow to motor and vise-versa.
3. Electric control panel- **MAN-AUTO** switch turned to **MAN**. Turn **ON-OFF** switch to **ON**, then red LED will light up indicating 12V power is on at control circuits, with engine running. Turn **FORWARD** switch in to energize solenoid A on double solenoid valve. Ram cylinder will extend. Turn **REVERSE** switch to energize solenoid B on same valve. Ram cylinder will retract. Push **ROTATE** button in and hydraulic motor will run. **FOR-REV** and **PUSH** buttons have to be held to operate, by releasing them action will stop. Engine throttle has linkage to slow engine down when ram is all the way to the front. Spring on linkage will speed engine up as soon as Ram cylinder starts to extend.
4. When **MAN-AUTO** switch is turned to **AUTO**, **FOR-REV** and **ROTATE** switches no longer function. Depress trigger switch located on bale table, Ram hydraulic valve is energized. The Ram cylinder will extend and engine will speed up. When Ram extends to front slider, this switch will energize the single solenoid valve and turning the wrap motor. When Ram is extended to the limit switch at the end of stroke, single solenoid valve and double solenoid valve "A" will turn off. Solenoid B will energize causing Ram cylinder to retract until it trips limit switch at the front end of bale table, solenoid "B" will turn off, the Ram cylinder will stop and engine will idle down.
5. Steering is done by steering switch, right/left activating steering double solenoid valve A or B. This valve will work in either manual or automatic mode.



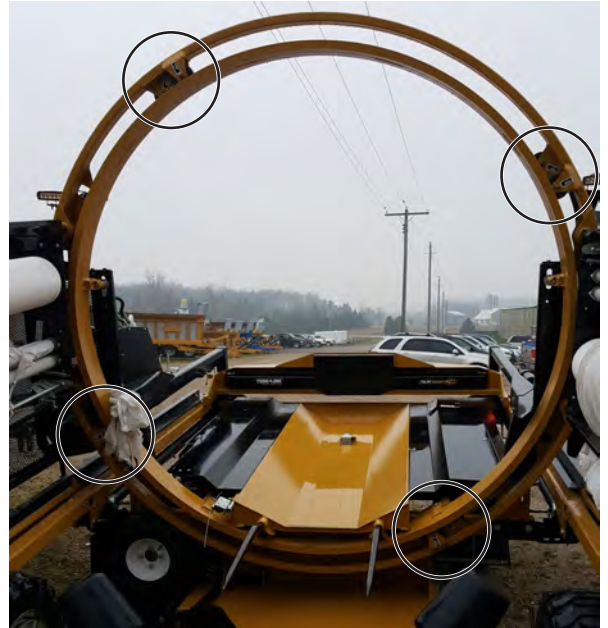
# Section 4: Maintenance

## Lubrication

*Tensioner Gear Cover*



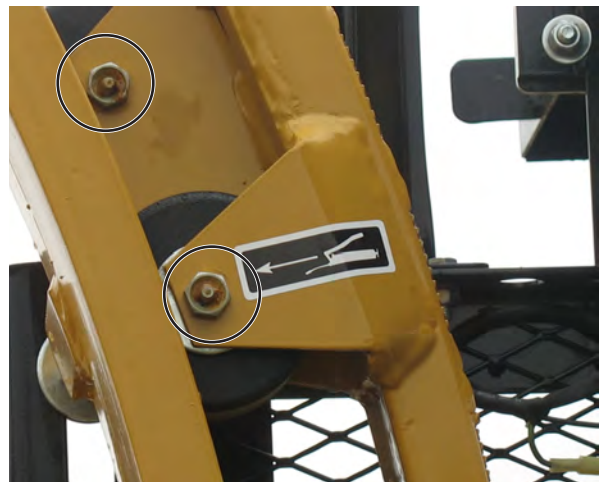
*Hoop Axle Bolts*



*Ram Axle Bolt*



*Hoop Axle Bolts*



*Slider Tube*



### Specifications

Slider Tube: Lightly Grease Once a Week

Hoop Axle Bolts: Twice a Day, All 8 Bolts

Ram Axle Bolts : Once a Week

Gear Box: 1 or 2 Times Every 2 Months

**DO NOT OVER GREASE**



## Oil Points

Oil these points occasionally to keep the parts moving freely.

*Tensioner Rollers*



*Top Door Rollers*



*Bottom Door Rollers*



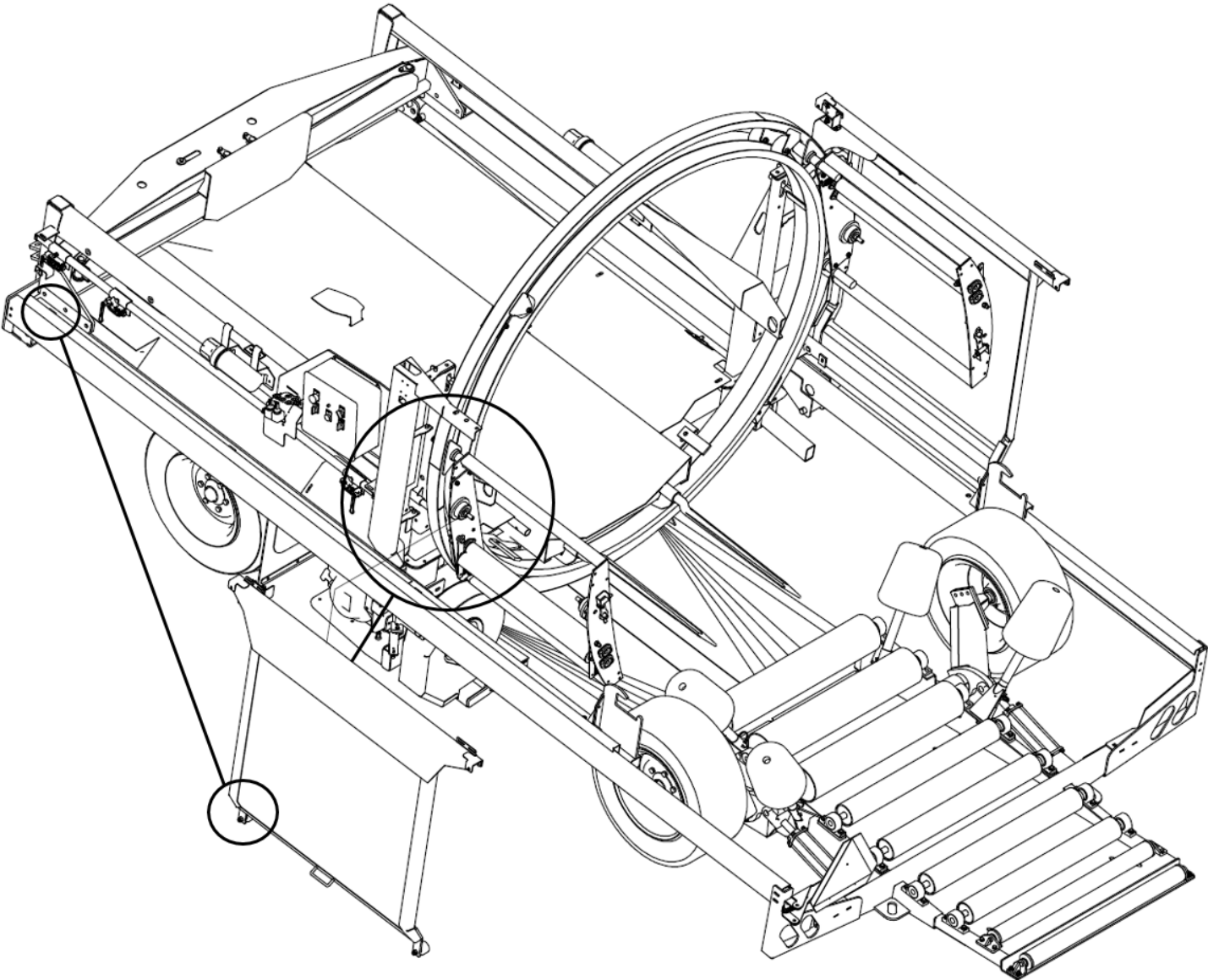
*Hoop Wheel Shaft*



*Last 2 Tail Rollers*



# Section 5: Dealer Installation



# Dealer Installation

1. Remove the doors, which are strapped to the machine.
2. Move the Door Mount into position but do not fully tightened.
3. Add the wheels attached to the Door Mount mesh to their proper position on top of the Door Mount
4. Remove the door track bolt on the Door Track (towards front).
5. Slide the Doors into the Door Track, the top channel fits over the top wheel of the Door Mount. This keeps the door in line with the wheels in the Door Track .
6. Refasten the door stop bolt on the Door Track, and fully tighten the Door Mount bolts.

**Note:** Use the slots in the Top Door Wheel Bracket to move it up or down. The wheels should be about a 1/4" from touching the top channel on the Doors.

1. Bolt red battery cable to battery (On the 13 hp Honda, open the gas valve).
2. Start the Honda.
3. To test the wrapper; switch to manual mode, jog the ram to speed up the engine.
4. The hoop, power drive and steering can now be tested.
5. If you ordered your machine with a steering remote and shut down kit you will find it in gray tube next to the control panel.



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