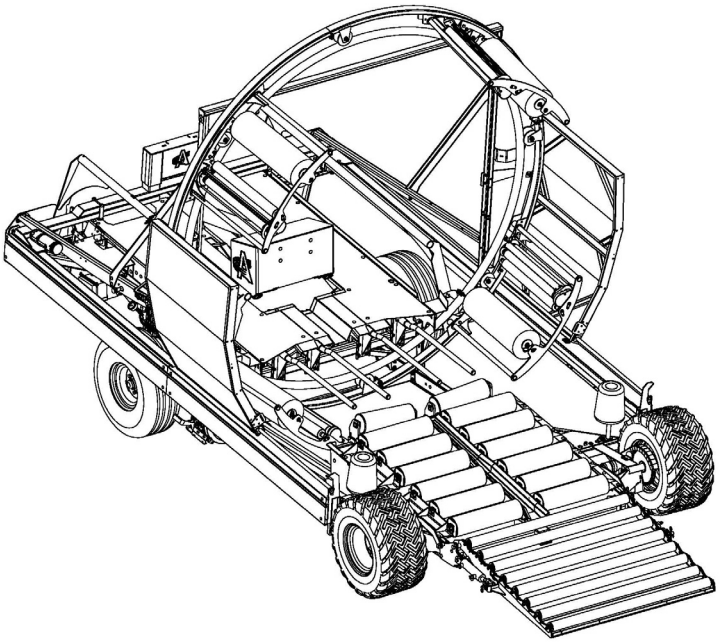
#404639-7

ANDERSON

The NutriWrap™ System

ROUND BALE WRAPPER
HYBRID EVOLUTION



Operator's Manual
2021

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How to Reach Us

When contacting Anderson, please always provide us with the following information:

- **The product model and serial number**;
- Your name, address, and telephone number;
- The purchase date and the invoice number;
- The dealer name, address, telephone number and salesperson's name;
- A precise and detailed description of the problem with the equipment.

You can contact our service department at the address below:

ADDRESS :	ANDERSON GROUP 5125, rue de la Plaisance Chesterville (Québec) CANADA G0P 1J0
TELEPHONE :	1-819-382-2952
FAX :	1-819-382-2218
EMAIL :	service@grpanderson.com
WEBSITE :	www.grpanderson.com

Before You Start

Before you start your Anderson wrapper we strongly recommend:

- Read and understand the information in this manual;
- Follow all security measures;
- Follow the starting procedure in this manual.

NOTE :	This manual contains important information concerning the proper use of your Anderson wrapper. Please give this manual to the new owner if the machine is sold or transferred.

Anderson limited warranty

- The one-year warranty period begins on the date that the new equipment is sold to the customer. If your equipment is used for commercial or rental purposes, this warranty will only be valid for a period of 1 year or a maximum of 5000 bales for trailers, individual bale wrappers, and inline wrappers.

- If during the year following the purchase of a new machine, your Anderson equipment fails to function properly due to defective design, materials, manufacturing, or assembly, our company will repair your equipment free of charge.

- Keep your original invoice or a photocopy. Please refer to your invoice whenever you order parts, have questions about the operating procedures of your machine, or for any questions you may have concerning your warranty.

- Replacement or repair of equipment parts must be performed by an authorized Anderson dealer. This includes parts and labour only. All work must be preauthorized by the Anderson customer service department.

- The customer will be responsible for transporting the equipment to / from the authorized dealer.

- The dealer will describe the terms of this warranty to the customer before the retail sale and will record the date of purchase, the serial number, and the equipment description.

- To have equipment repaired under the warranty; the customer must advise his dealer as soon as possible of the problem and request that the repairs be made according to the terms of the applicable warranty.

- Understanding that it is our desire to always improve on our products, our company reserves the right to modify its machines, their characteristics, and their parts at any time without advance notice or obligation.

- In no event will Anderson be liable for any incidental or consequential damages or injuries, including but not limited to loss of profits, rental of substitute equipment, or other commercial or personal loss or damages arising as a result of a fundamental breach or breach of a fundamental term.

Notwithstanding the foregoing

Group Anderson Inc.

Warranty Policies, Procedures, & Provisions Summary

Purpose of Warranty:

The fundamental responsibility of warranty is to correct defects in material and workmanship of the products sold by Group Anderson Inc. (hereafter called ''Anderson''). This outline is intended to assist you in awareness of Anderson's Warranty Policies and to assure that you obtain the best service possible for your Anderson machine.

- Warranty is limited to 1-year (12months). This specified period begins on the date the new equipment is sold to the customer.
- Warranty is non-transferable in the event of resale unless the resale is through an authorized Anderson dealer.

Warranty Exemptions:

- Your warranty may be voided if Anderson determines that the equipment has been subjected to bad treatment or negligence, has been used inappropriately, has not received necessary maintenance, not been appropriately protected during storage, damaged by vandalism, bad weather, natural elements, collision, or an accident.
- The warranty is void if your equipment has been modified in any way without Anderson express authorization.
- The warranty does not cover towing expenses or service calls.
- No warranty is extended to regular service items such as fluids, paint, tires.
- Certain parts, such as the Honda engine and battery are covered under warranties from their respective manufacturers. Details on these warranties can be obtained from your dealer.
- Warranty does not cover damage caused by harsh weather conditions or unstable ground conditions. Such as frozen parts on the equipment or performance issues on inadequate terrain.
- No warranty is issued for performance issues. Including downtime and capacity issues.

No Dealer Warranty:

- Except for conditions or warranties which may not be excluded by law, the selling dealer makes no warranty of its own on any item warranted by Anderson Group unless it delivers to the purchaser a separate written warranty document specifically warranting the item. The selling dealer has no authority to make any representation or promise on behalf of Anderson or to modify the terms or limitations of this warranty in any way.

Anderson's Responsibilities:

- In the event that parts must be shipped from Anderson, freight will be paid by Anderson and will be shipped by the most economical means to arrive in the shortest possible time. Air, Next Day Air, Priority and other special shipment methods requested by the Dealer will be at the Customer's expense.

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About this Manual

This manual is designed to familiarize you with your new wrapper and ensure you of the safe and proper methods of use.

Disclaimer

Illustrations

The illustrations in this manual are presented as references according to the available information at the time of printing this manual. Group Anderson reserves the right to modify its machines without notice.

Engine

The HYBRID EVOLUTION wrapper is equipped with a Honda Engine. The user guide for the Honda is supplied with the wrapper. It contains all of the necessary information to maintain the engine as well as the safety regulations to be respected. Before using your Anderson wrapper, take time to read the manual respective to the engine on your wrapper.

Anderson holds no responsibility for the content in the manual of the Engine.

Important Notices

 **Warning!**	**Warning messages!** **Provide information which must be read to avoid damaging the wrapper.**

 **Danger!**	**Danger messages!** **Provide information which must be read to avoid injury to persons or animals. Not following these instructions may lead to serious injury or even death.**

NOTE :	These types of notes provide additional information about the topic in which they are found.

1 Introduction

Congratulations! You have just purchased yourself an Anderson wrapper. Your wrapper is a quality piece of machinery built essentially to wrap round bales in a tube.

1.1 General presentation of the wrapper

The following illustration shows the main components of the HYBRID EVOLUTION wrapper.

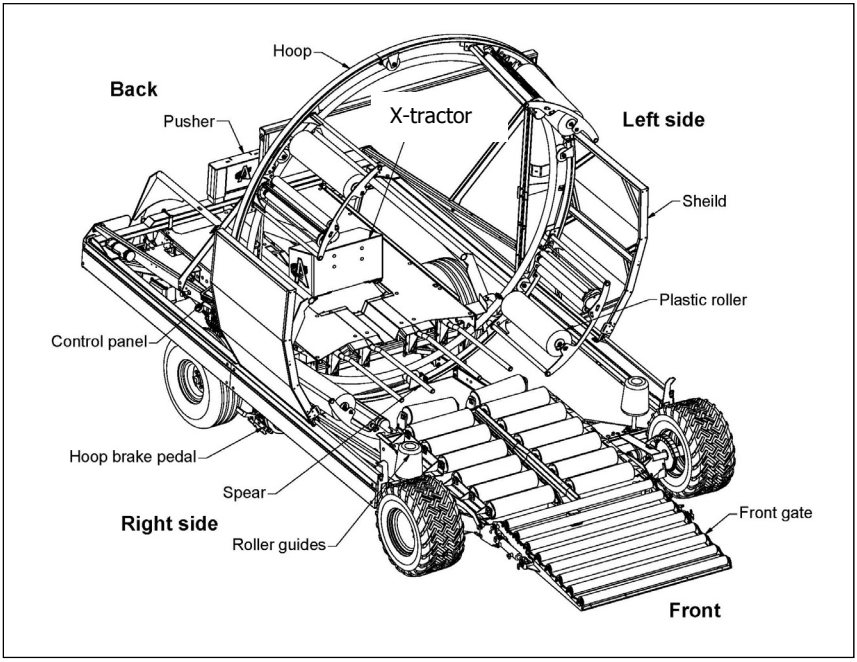

Figure 1 – Main components of the wrapper

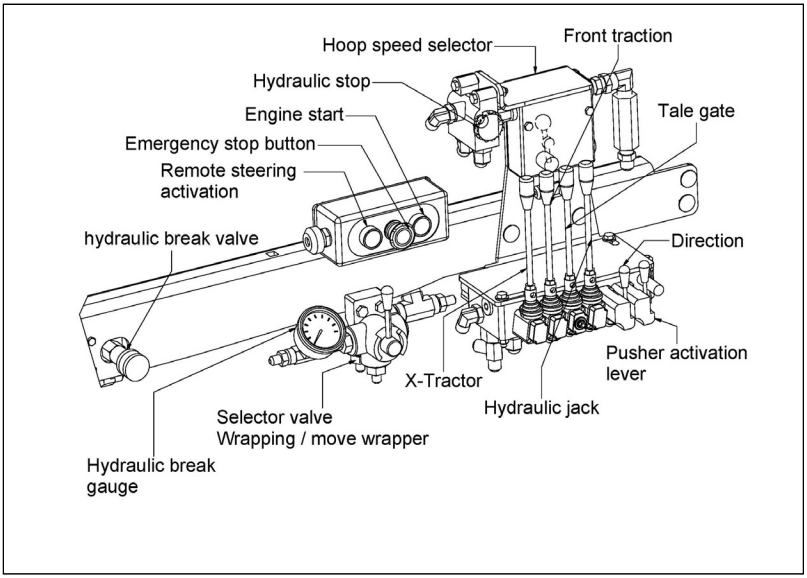

Figure 2 – Control panel

1.2 Techincal Specifications

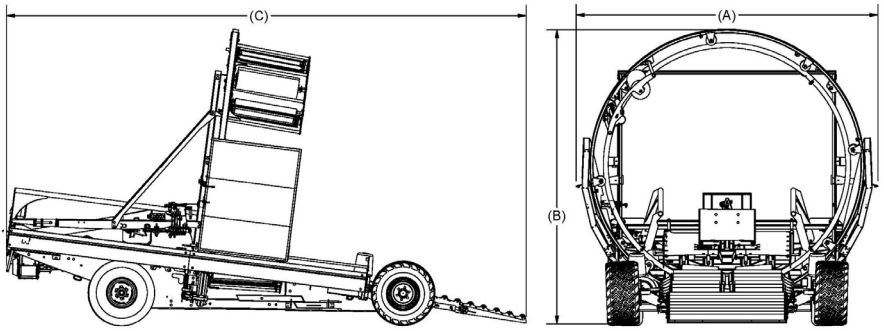

Figure 3 – Dimensions

Selection	Dimension
Width (A)	3,73 m (147 in)
Width in transport format	3,06 m (120,5 in)
Height (B)	3,67 m (144,5 in)
Length (C) (W/tailgate lifted)	5,29 m (208,5 in)
Length (W/tailgate lowered)	6,42 m (253 in)
Total Weight	3060 kg (6744 lb)
Pulling weight	670 kg (1477 lb)

Table 1 – Weight and dimensions

Product	Specification
Engine	Honda : GX 390 gas powered Honda (optional) : GX 630 gas powered
Wrapping capacity	120 bales/h
Round bale dimensions	Length : 1,2 to 1,5m (4ft to 5 ft) Diameter : 1,2 to 1,8m (4ft to 6ft)
Square bale dimensions	Width: 0,8 to 1,2m (3 to 4ft) Height: 0,7 to 1,2m (3 to 4ft) Length: Up to 1,8m (6ft)
Double stacked square bale dimensions (each bale)	Width: 0,8 to 1,2m (3 to 4ft) Height: 0,7 to 0,9m (3ft) Length: Up to 1,8m (6ft)
Stretchers	Equipped: 2 (w/option of 4) Length : 76cm (30in)
Plastic Film	Size of roll: 76cm (30in) Stretch Capacity: 55% (40% with optional gears)
Movable distance of pusher	Up to 1,9m (75po)
Hoop	Outside diameter: 3,4m (133,5in) Inside diameter: 2,8m (110in) Rotation speed: 20 RPM (max)
Hydraulic system	Type: Open Pressure: 2100 psi (max) Flow: 8 GPM (30 LPM)
Tires	**Front** Dimension: 31 X 15.50-15 8PRTL Recommended pressure: 36 psi **Rear** Dimension : 12L-15 SL Recommended pressure: 36 psi **Hoop** Dimension : 480/4.00-8 Recommended pressure: 45 psi

Table 2 – General specifications

1.3 Advise and recommendations for high quality silage

With the Anderson Round Bale Wrapper you have the ideal machine to make excellent silage bales. However, you must also know how and when to harvest and wrap your feed stock.

When to cut to have a quality harvest?

A good quality harvest starts with two conditions. The right amount of sugar in the plants while growing and adequate degree of humidity once they have been cut. When these conditions are combined, there is nothing left to do but to wrap quickly and remove as much of the air as possible from the bales. If you are able to do this correctly you will have excellent silage.

The quality of the raw material also influences the quality of the silage. To have good silage, it is above all necessary to harvest the plants when they posses their best nutritional values! So, forage plants must be cut when the reach their maximum rate of sugar to ferment well, and obtain their optimal level of proteins to be nourishing. Plants are considered to be at their vegetative stage at this time. For grasses (timothy grass, millet, brome grass, orchard grass, etc.) you should cut at the beginning of ear emergence or just before maturity. For legumes (alfalfa, red or white clover, lotus, etc) you are to cut when the flower is about 10% developed.

Mature crops give a better return and contain more fibers. However, once wrapped they tend to deteriorate after just a few months. Harvesting before maturity will give a great tasting crop and also allows a faster re-growth giving you a 2nd and 3rd cut.

The quality of the product also depends on the methods of harvesting and also the methods of raking or curing the hay. For example, large regular field crops produce bales that are more solid and uniform. It is also important to avoid contaminating the fodder with soil, manure, or other residues from previous harvests.

When is the best time for Baling?

After the drying period, the decision of when to bale your fodder depends above all else on the time when the amount of humidity in the cut hay has decreased just enough. You want your fodder to stay good for at least one year; the ideal level of humidity is around 50% for both grasses and legumes, with a possible range of 40% to 55%.

Two easy and effective ways to determine the level of humidity in the hay are an easy, well-known test using a microwave or humidity tester.

If there is too much water in your baled hay, the formation of butyric acid could prevent some of the fermentation necessary for conserving your silage from taking place. Such hay must be used within 3 months.

How to obtain a quality bale?

During baling, the tractor driver has a large impact on the quality of the future silage. We recommend proceeding slowly and keeping the tractor's power take-off at high rpm to obtain high-density bales. You should also ensure that you bales are firm and even. They will then

be easier to wrap and will produce continuous bale rows that are more airtight and silage that has higher nutritional value.

When to wrap your silage bales?

It is advisable to wrap bales as soon as possible after baling because fermentation inside the bale begins as soon as it is produced. We recommend a waiting period of no longer than 12 hours, and a much shorter time period if the outside temperature is relatively high. Studies on potential heating of the hay and the changes in the ph show significant differences between the quality of the hay wrapped the same day as baling, and hay that is wrapped the following day.

2 Security

Your Anderson Wrapper was conceived to minimize the risks to the operator. However, you never should use the wrapper for anything except the use that it was designed for. This wrapper is equipped with a powerful hydraulic system, moving metal parts, and a gas engine. Misuse of the machine may cause serious injury to yourself or others.

Operator Safety

Get acquainted with the procedures of the use of the wrapper before you begin operation. Also insist that the procedures in this manual are followed by all who use your wrapper. You should be sure that all people using your wrapper are:

- Responsible people that you trust;
- Have received the necessary training to operate the wrapper in a safe way;
- Know all emergency telephone numbers;
- Are aware of the location of your first aid kit.

Use

Only use the wrapper to wrap bales. The wrapper can wrap bales of 1.2 up to 1.52 meters (4ft to 5ft) in length, and a diameter of 1.68m (66in) and less. Avoid all other uses; also the machine is not to be used to transport anything (such as people or livestock).

Security perimeter

Do not allow yourself to be disturbed during the operation of this machine. When you are operating this wrapper you must be the only person around the machine.

Danger!

A 5 meter security perimeter (15ft) around the machine in operation must be respected. Remove all other people / children / and animals from the site. Neglecting this rule may result in serious injuries or even death.

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Basic Security measures

Danger!

Never walk on front tail gate or let anyone else walk on this part of the equipment. Walking on the machine or on the tail gate may cause injuries or even death. This is one of the main causes of accidents related to the use of the wrapper.

Before starting the wrapper:

- Locate and understand all warning stickers on the wrapper.
- Know how to stop your wrapper with the emergency stop button.
- Make sure that all options and levers are in the neutral position (off) before starting the Honda engine
- Remove any flammable material (hay, straw or other residue) near the engine.
- Remove any hay or other debris that may be stuck in any of the moving parts of the machine to be sure that they move freely when the wrapper is running.
- Replace all worn or defective parts.

NOTE :	Consult chapter 6 Maintenance and advanced adjustments for a complete description of the maintenance and tune-ups of the machine.

While operating the wrapper:

- Keep your hands and feet far from moving parts: Hoop, pusher, chains and gears etc.
- Wear safe clothing. Avoid scarves and ample clothing (loose fitting) that can easily become stuck in the moving parts of the equipment.
- Wear adequate hearing protection. You will reduce the risk of hearing loss that could be provoked by continuous exposure of the noise from the wrapper.
- Use a mask when working in dusty conditions.

- If you work in the evening or at night, be sure that the lighting is sufficient to operate safely.
- Make sure to have a working fire extinguisher at your disposal.
- Always leave all of the protective screens or other safety devices in position. If these parts are removed or damaged, do not use your wrapper until they have been fixed or replaced.

Before repairing or replacing anything on your wrapper:

- Stop the engine.
- Remove the key from the ignition of the engine to be sure that it cannot start accidentally while you are performing the maintenance.
- Store the key to the engine in the plastic black box (manual box) on the side of the wrapper and lock it with a padlock.
- Block the wheels when working under the machine.

Handling fuel

Gasoline and diesel fuel are very flammable substances which must be handled with care in an approved container. When finished filling the fuel tank firmly tighten the tank cap and wipe away any spilled fuel. Never add gasoline when the engine is hot or operating. Have a working fire extinguisher within arm's reach near the baling site.

Handling Hydraulic fluid

Hydraulic fluid is a flammable substance, keep it in an approved packaging and always be careful when you fill the tank. Once you have finished filling the tank replace the cap on the tank and tighten firmly. Wipe away any oil that may have spilled. Never add oil when the engine is warm or working. Keep a fire extinguisher with you at all times.

Danger!

In case of contact with hydraulic fluid on or under the skin; please consult a doctor right away. This must be removed within hours. Without intervention, serious problems, including amputation, may result.

Storing the wrapper

At the end of each working day, close the stop fuel valve situated under the choke on the right-hand side of the engine. This is particularly important before a long period of storage.

Figure 4 – Closing the fuel valve

Moving the bale Wrapper

If you plan on moving your wrapper on the road, you must respect the regulations for identification and lighting in your area. We recommend that you always use safety chains when hooking the wrapper to any vehicle and lock the tongue of the machine with a pin.

3 Preparation and start-up

3.1 Before You Start

Before you start wrapping you should first:

- Check to make sure that the hydraulic oil tank is full. The oil level should be 5cms (2in) from the cap. (see Figure 5) Add hydraulic oil (AW 32) if needed.
- Be sure that your engine gas tank is full.
- Be sure that your machine has been well lubricated (See section 6.2).
- The oil level for the wrapper engine is full (Figure 6).

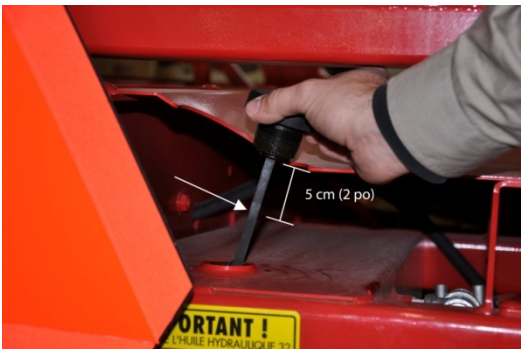

Figure 5 – Oil in Hydraulic oil tank

Figure 6 – Engine oil cap location

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3.2 Site Selection

Choose the place where you will be wrapping your bales:

- Easily accessible all year round. Take into account the possible snow coverage of the place you have chosen during winter.
- Flat, clean and drained well. If need be mow and treat the area with weed-killer (round-up) to avoid rodents that may settle there during the winter. This could damage the plastic film.

NOTE :	If your ground is slightly sloping, begin wrapping your bale tube at the bottom. You will then reverse the wrapper up the hill giving you a much more compressed tube and more air will be forced out.

3.3 Starting the Engine

To start the Honda engine please follow the below procedure:

1. Close the safety gate (Figure 1) Pull the emergency stop button (Figure 2) and turn the Honda engine key to the **ON** position. The engine will not start if the gate is open, if the emergency stop button is pushed or if the engine key is in the **OFF** position.
2. Push the start button (Green) on the control panel (Figure 2) or turn the Honda motor key to the **Start** position.

NOTE :	If it is the first start of the day or year you will have to use the choke. Consult the user manual of the engine for how to use this procedure.

3.4 Remote steering

Thanks to remote steering, you can operate the wrapper from your tractor with a remote control. The functions of the remote control allow you to manage the wrapper as well start and stop the engine.

The remote steering includes a remote control, a receiver and an electric section on the main hydraulic valve. The receiver and electric section on the valve are installed in factory and require no adjustment or maintenance.

NOTE :	The remote steering option offers the same functions as the remote start and stop and also allows you to manage the functions of the wrapper.

Receiver

The receiver of the remote steering allows the remote control to manage the wrapper. The receiver is installed inside the right frame at the rear of the wrapper to protect it from impacts and weather conditions.

Figure 7 – The receiver of the remote steering

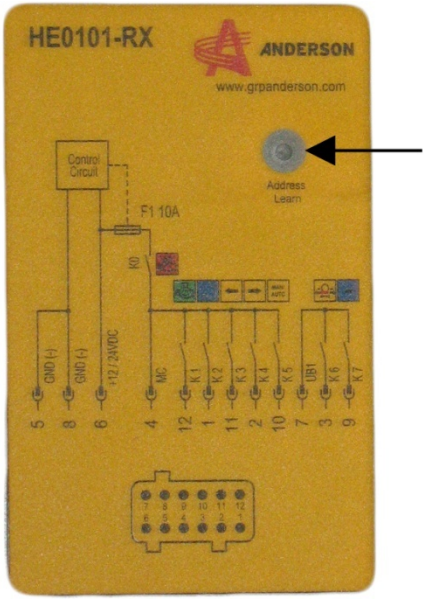

Figure 8 – Control panel of the remote steering

Explaining of the LED signal lights:

Red LED	Green LED	Yellow LED	Description
Lit	OFF	OFF	Connection problem (*output diagram*)
OFF	OFF	Blinking	Waiting for signal
OFF	Blinking	OFF	Signal received

Table 3 – LED signal lights description

Remote control

The remote control allows you to manage the wrapper at a distance. It allows you to use most of the operations for which the wrapper was conceived. The remote control is supplied with three alkaline batteries (AA).

Button	Fonction
1	Turn left
2	Turn right
3	Selection of manual or automatic steering for the autopilot[1]
4	Selection of what side of the wrapper the automatic pilot is to follow[2]
5	Pusher trigger on/ off
6	---
7	Start engine
8	Stop Engine
LED	Indication light

Table 4 – Functions of the remote control

[1] Button used to turn on the autopilot. This option comes with its own Operator's manual.

[2] Button used with the autopilot. This option comes with its own Operator's manual.

LED light indications:

Red LED	Green LED	Description
ON	Blinking	Battery Low
OFF	Blinking	Normal signal
ON	ON	Bad signal
Blinking	OFF	Engine off (waiting for command)

Table 5 – Remote control LED signals

Starting the wrapper with the remote control

To start the wrapper with the remote control, proceed as follows:

1. Push the blue button on the control panel of the wrapper (Figure 2). When the button is lit blue, the remote steering function is activated.

NOTE :	When the remote steering is engaged only the remote control will be able to start the engine. If the engine is running when you press the blue button on the control panel the engine will automatically turn OFF.

2. Turn the engine key on the wrapper to **ON**.
3. Be sure that the Emergency shut off (Red button) is pulled out and the security gate is closed.
4. Press the green button on the remote to start the engine.

NOTE :	If the engine was stopped without the remote control, you will have to press the stop engine button on the remote control before you will be able to restart the engine with the remote control. If the engine does not start, press the stop engine button on the remote control and then try to start the engine again.

 **Warning!**	**Always turn off the blue button on the control panel to be sure not to drain the battery of the wrapper when is not in use.**

Steering the wrapper

To steer the wrapper with the remote control, press on the button left or right according to the direction that you would like to make.

NOTE :	The wheels of the wrapper move by pulses. This avoids the wheels from turning completely in one direction when a button is pressed.

3.5 Moving the wrapper

You will probably have to move your wrapper to the area of the field that you will be storing your wrapped bales. When you move your wrapper, make sure to follow all of the safety measures and the recommendations of this section.

NOTE :	Before you move your wrapper to where you will be wrapping, mark the place of each row. This will insure that you leave enough space between them and that you will easily be able to access them when you need them without damaging the bales in the next row beside.

Security when moving your wrapper

 **Danger!**	**Whatever you chose as a transport method. Nobody should be on the machine when it is moving.** **Nobody should be within 5 meters (15 feet) of the wrapper while you move it.**

 **Warning!**	**Before any movement, be sure that the front axle is locked in transport position (Section Locking of the front gate). Also be sure that the jack is completely lifted.**

Locking of the front gate

Before moving the wrapper, lock the front gate in transport position as the below instructions:

1. Raise the tailgate (Figure 9) all of the way with the joystick (Figure 2).
2. Raise the arm to lock the tail gate and insert the arm to keep the gate in the upright position (Figure 9).
3. Insert the pin to lock the arm in place (Figure 9).

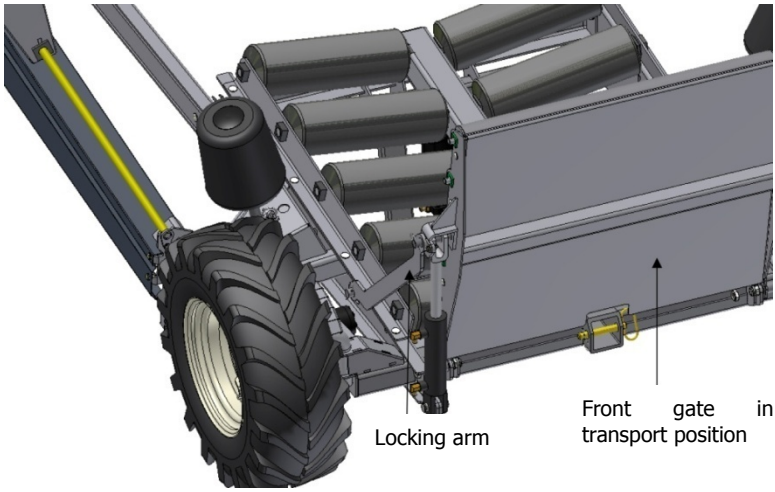

Figure 9 – Raising the front gate and locking into transport position

Moving the wrapper short distances

Your wrapper can move itself short distances (up to a couple of hundred meters).

Moving the wrapper by its own traction drive:

1. Close the gate (Figure 1) Pull on the emergency stop button (Figure 2). The engine will not start if the emergency button is pushed in.
2. Start the Engine by pressing the start engine button on the control panel.
3. Remove the pin from the idol control of the engine. The engine will then run at top speed (Figure 10).

NOTE :	When the pin is in the idol control, the acceleration of the engine is automatically controlled.

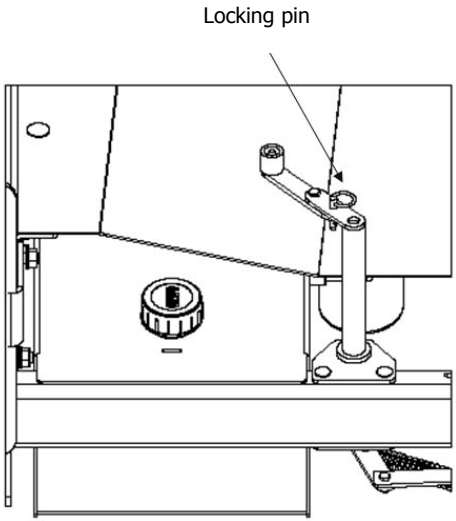

Figure 10 – Engine idle control lever

4. Place the control lever of the selection valve in the position move (Figure 2).
5. With the main valve levers, Move the wrapper with the **front traction** (To move forward or reverse) also (to turn the wheels) (Figure 2).
6. When you have finished moving the wrapper, replace the pin in the idle control handle (Figure 10). This will allow the automatic control of the engine again.

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Moving the wrapper medium distances

You can move your wrapper by connecting it to a tractor or truck for distances less than 50km

Warning!	**Do not move the wrapper by pulling it with a tractor or truck any distances more than 50km. Certain moving parts and tires will wear our prematurely. To take the wrapper long distances please use a trailer.**

To move the wrapper by tractor or pickup truck please follow the below procedures:

1. Lift the wrapper by activating the hydraulic jack (Figure 2) and then fix the tongue to the truck or tractor that you are using to pull the wrapper (Figure 11).

Figure 11 – Tongue (helm)

Warning!	**During transport the front traction wheels should not be touching the ground.**

2. Use Safety chains between the wrapper and the towing unit.

Warning!	**It is necessary to use safety chains just in case the wrapper disconnects from the towing unit. Without chains you may cause injury to others or damage to other vehicles.**

3. Center the rear wheels by using the sticker on the axle (Figure 12).

Figure 12 – Centering sticker

Danger!	**Turn off the engine before you move the wrapper.**

Warning!	**Close the fuel valve on the wrapper before you move it. If the valve stays open, the fuel can get into the cylinder and flood the engine.**

Storing the tow bar (Tongue)

To store the tongue, follow the below directions:

1. Pull out the pin that holds the tongue in the front of the wrapper.
2. Pull out the tongue from the slot that it is in.
3. Replace the pin so that you do not misplace it.
4. Place the tongue in the storage on the side of the wrapper as you see in (Figure 13).

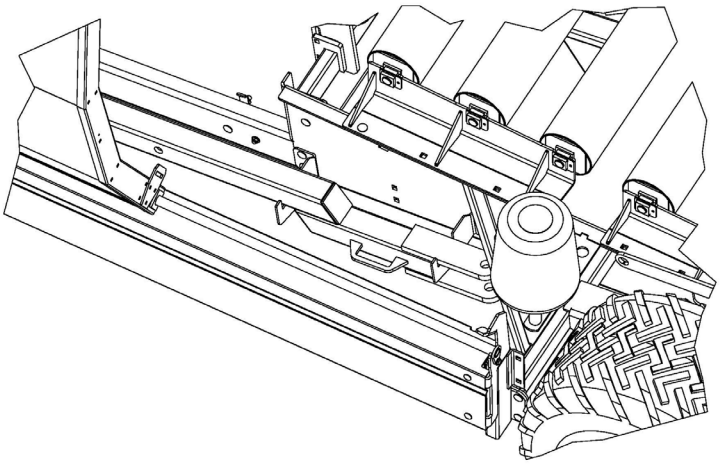

Figure 13 – Storing the tongue

3.6 Installing plastic film rolls

The Wrapper is equipped with two plastic film applicators with serve to wrap the bales. You should always start with two new rolls of plastic film so that you can refill them at the same time.

NOTE :	The plastic film can become soft and sticky if it is left for a long time in the heat of the sun. You will notice when the film is being applied that it may break more often or holes begin to appear in the plastic when on the wrapped bale. Make sure to store your rolls of plastic film in a cool dark place where they are shielded from the sun.

NOTE :	It is easier to load the first bales that you will be wrapping without attaching you plastic to the hook on the hoop. We recommend that you load your bales first and then attach your plastic to the hook (Figure 18)

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Getting to your plastic rolls

Warning!	**Always stop the engine of the wrapper before opening the safety gate.**

To reach the plastic roll supports, proceed as follows:

1. While holding the safety guard so that it does not fall, pull on the handle of the lock in the upper left corner of the guard. (Figure 14)
2. When the handle is unlocked, slide the grill to the front of the wrapper and lower it gently. You now have access to the supports of the plastic film. (Figure 14)

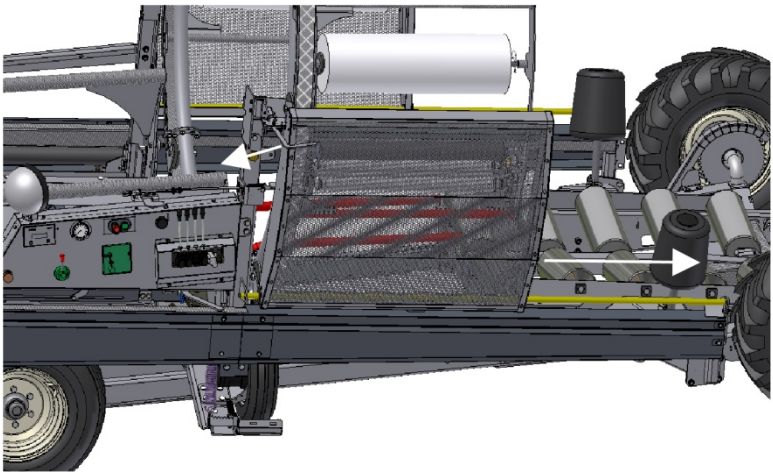


Figure 14 – Unlocking the safety gate

3. If one of the supports is not at a good height to work with, press on the hoop brake (Figure 15) and turn the hoop with your hand until it is in the position you need.

NOTE :	You can also move the hoop without completely removing the brake. Just push on the brake a bit and turn the hoop until it is in the location that you need.

Installing the first roll of plastic film

To install the 1st roll of film, proceed as follows:

1. Press on the hoop brake (Figure 15) to engage the brake so that the hoop does not turn during installation of the film.

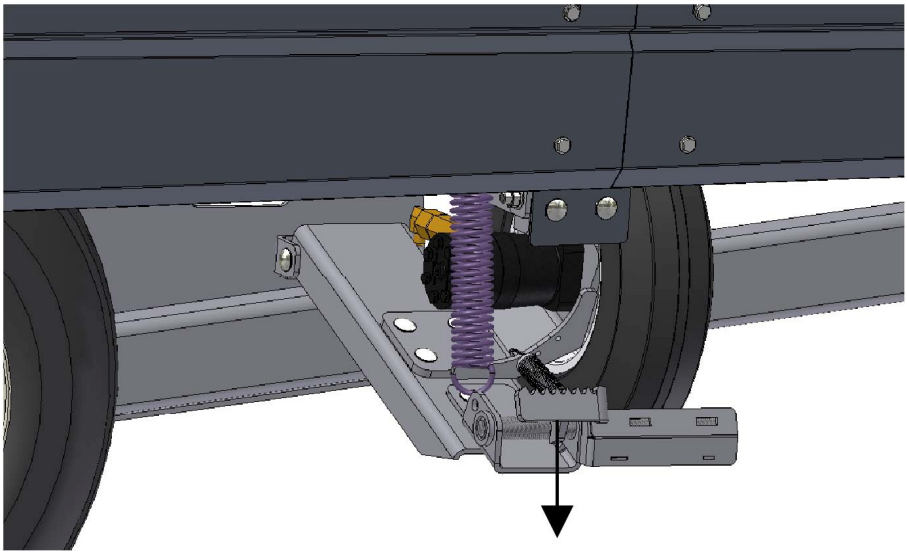


Figure 15 – Brake pedal

2. Remove the pin from the support before putting the film roll (Figure 16). Then slide the support to allow your enough space to add the new roll. (or remove the old one)

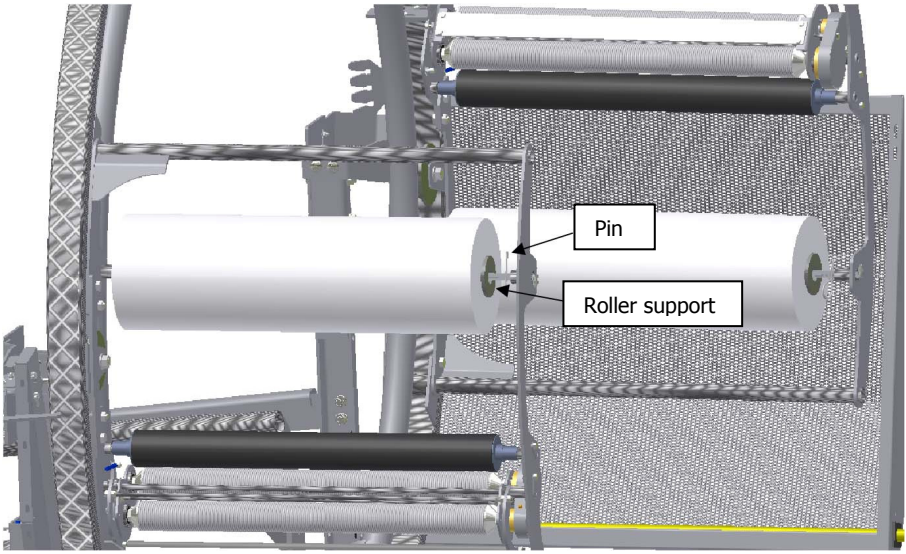


Figure 16 – Supports for film rolls

NOTE :	The rollers of the stretcher should always be clean and should turn freely to avoid any jam or tear of the plastic film. If you need to, check section 6.4 to find out how to clean the stretcher rollers.

3. Install the new roll of plastic film so that it is exactly as in the below diagram.

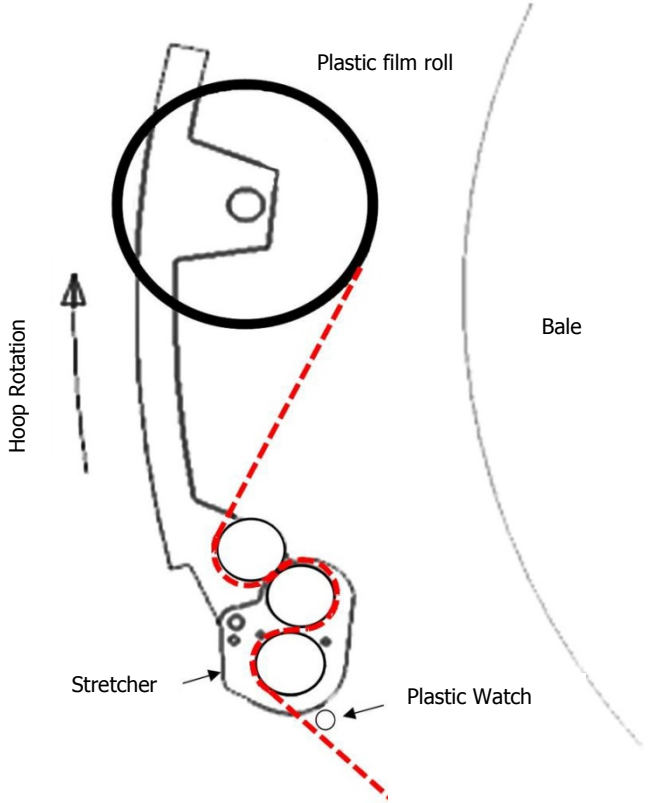


Figure 17 – Film installation

4. Replace the film support and insert the pin to lock it.
5. Insert the film between the rollers of the stretcher (see Figure 17). By first going around the black roller and then through the two aluminum rollers. You want to have about 30cm (12in.) of plastic sticking out past the stretcher when finished.
6. If your wrapper is equipped with a plastic watch (see section 9.2 for more details of this option) you will have to go around the plastic watch as well. (see above diagram)

7. Pull on the plastic film and attach it to the hook situated on the part of the hoop as you see below.

Figure 18 – Attaching the plastic film

8. Replace the black safety guard and lock it in place.

Installing the other Plastic Film Roll

To install the other plastic rolls, proceed as follows:

1. Turn the hoop so you have access to the send film supports.
   - Release the brake of the hoop.
   - Put the hoop speed control to the position **0**.
   - Place the selection valve of the control panel to the wrap selection.
   - Deactivate the plastic watch by placing the pin in the position **Off**.
   - Start the engine and put it in slow.
   - Increase the speed of the hoop to make it turn about half a turn so that you can reach the supports of the second stretcher.
   - Stop the hoop by placing the speed control to **0**.
   - Stop the engine.
2. Repeat the steps for installing the film as for the first stretcher system. When finished replace the guard and lock it.

ANDERSON

4 Wrapping your bale tube

This section describes the method recommended by Anderson Group to wrap your bales in rows. The stages you must follow are:

1. Wrapper adjustments
2. Level the wrapper
3. Using bales to compress your row
4. Installation of the first bale (in a plastic bag)
5. Wrapping bales in a tube
6. Ending a bale tube

This section will explain certain operations that may be necessary during the wrapping of your bales. You will learn how to run your wrapper and avoid obstacles, (section 4.6) and also how to wrap with only one roll of film when one of the stretchers are empty.

4.1 Adjustments

To wrap a bale row that corresponds to the characteristics of your bale and your preferences of wrapping, you will have to adjust the wrapper. These adjustments can be modified at any time during the wrapping process to adapt the wrapper to fit your needs.

NOTE :	Consult chapter 5 to better understand these adjustments.

You can adjust the following components:

- Bale width (bale guides)
- Guide rollers
- Pusher return (at the end of its cycle)
- Hoop starting position
- of pusher
- Bale compression
- Number of plastic layers

4.2 Leveling the wrapper

Level the wrapper so that the first bales wrapped do not slide off the machine.

To level the wrapper, proceed as follows:

1. Start the engine of the wrapper.
2. Level the wrapper by using the hydraulic jack.

4.3 Using compression bales

To be sure to have good quality silage, the wrapped bales must contain the least amount of air possible. When you wrap your first bale, you have to use bales in front of it to compress the tube and force the air out. (For bales of 1.52m (5ft) you can use one bale) (For bales of 1.2m (4ft) you will need two bales). These bales are not wrapped at the beginning of your bale row. They are used as a weight at the beginning of the bale row so that the first bales that you are wrapping do not slide on the ground. When you have wrapped enough bales that the compression bales at the beginning of the row are no longer needed to keep the wrapped bales from sliding you can place them on the wrapper and wrap them in the row.

To place your compression bales, proceed as follows:

1. Unlock the front gate and lower it. It is on this gate that the bales will slide off of the wrapper.
2. Place the hoop speed control to the 0 position. (Figure 2) This will prevent the hoop from turning.
3. Place an unwrapped bale on the table trigger (horizontally) and allow the pusher to push the bale to the end of the table without wrapping it. For bales of 1.2m (4ft) in diameter you will place another bale on the table the same way as the first. Your pusher will come back to the home position (Figure 19).

NOTE :	Every time you place a bale on the trigger (Figure 1), the pusher starts and the bale is pushed towards the front of the wrapper. The first bales that you put through the wrapper serve to compress the tube. You will wrap them at a later time.

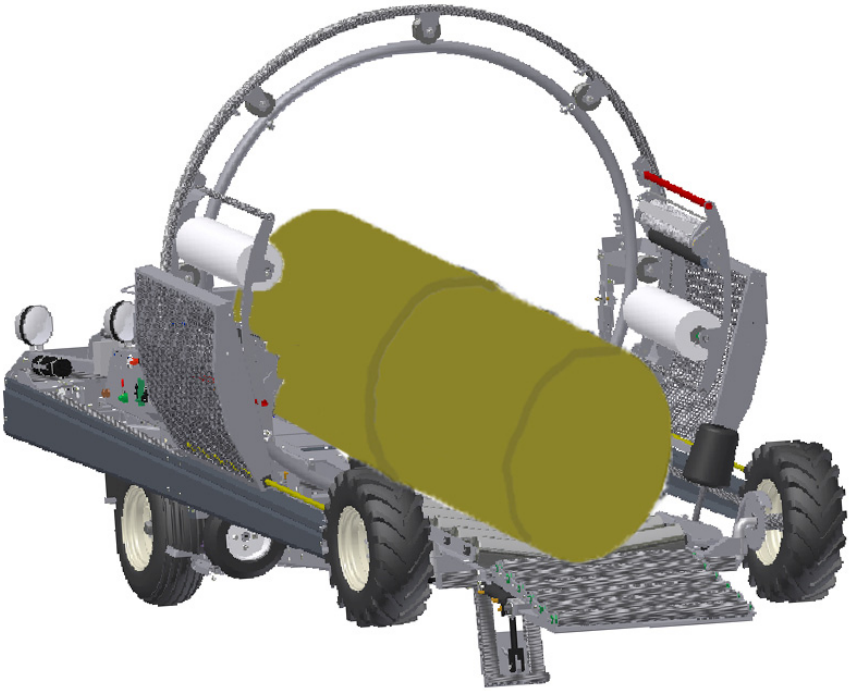


Figure 19 – Compression bales

4.4 Installing the first bale of a tube

To insure an airtight bale tube, the first bale must first be packed in a bag. To install the first bale in a bag, proceed as follows:

1. Slowly lower the front of the machine to the ground with the jack. You must do this slowly so that the bales that are on the machine do not move much.
2. Move the control lever of the wrap / move valve to the position wrap. (Figure 2 – Control panel)
3. Place the control lever for the hoop speed (Figure 2) to the 0 speed setting to prevent the hoop from turning.
4. Press on the hydraulic bypass valve (Figure 2) to avoid the pusher from activating when you place the bale on the trigger.
5. Take a bale and place it in a plastic bag. The bottom of the bag will be at the end of your bale tube and will allow you to seal the tube tightly

6. Place the bale (in the bag) on the trigger, with the open end of the bag facing the rear of the machine.

Warning! **Be sure not to damage the bag when you put it on the wrapper.**

7. Open the hydraulic bypass to allow the start of the hoop.

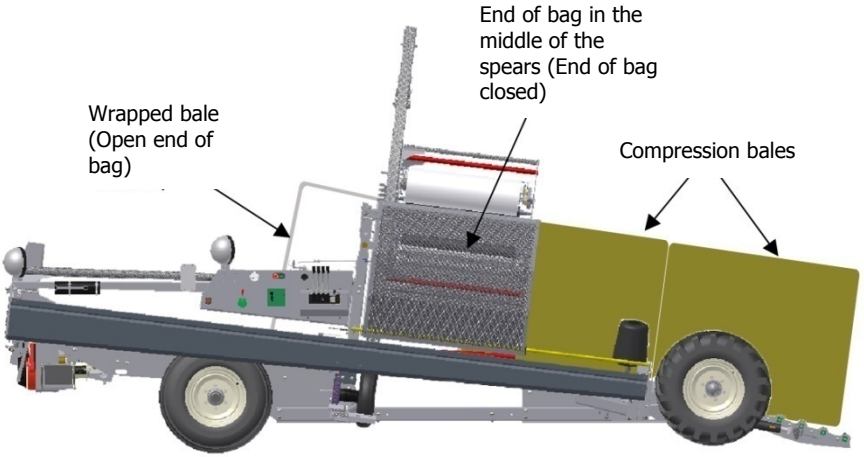


Figure 20 – Wrapping of first bale

8. When the bale reaches the middle of the spears (Figure 1) start the wrapping:
   - Close the Hydraulic bypass to immobilize the pusher.
   - Deactivate the pusher (Figure 24).
   - Pull on the ends of the plastic film and attach them to the hoop (see Figure 18 – Attaching the plastic film to see film installation).
   - Be sure that the manual hoop lever is in the back position.
   - Open the hydraulic bypass. Nothing should move.
   - With the control lever for the speed of the hoop slowly turn the hoop and apply at least two layers of plastic film.
   - Close the hydraulic bypass.
   - Reactivate the pusher (Figure 24).
   - Move the hoop speed lever to the speed 6.

- Open the hydraulic bypass. The Pusher will complete its cycle and the hoop will automatically start to wrap.

NOTE :	With bales of 1.2m (4ft), if we use the adjustment for the return of the pusher (see the Table 6) The pusher will stop its cycle at the moment that the bale reaches the middle of the spears. The first layers of plastic film may be applied without deactivating the pusher, by using the manual control of the hoop.

4.5 Wrapping a row of bales

When the first wrapped bale comes to the end of the cycle of the pusher and the pusher returns to its hope position it is time to start the automatic wrapping of the bales. To do this, proceed as follows:

1. Be sure that the wrapper is ready to start the wrapping process.
   - Installing the plastic rolls (See section 3.6)
   - The selection valve is in the position **Wrap**.
   - The control lever for the manual control of the hoop is in the position to wrap automatically.
   - The hydraulic bypass and the emergency shut off (red button) are released (open).
   - Adjust the speed of the hoop to selection #6 (this will give you approximately 6 layers of plastic film). The machine is now ready to wrap.
2. Place a bale on the trigger of the pusher. Let the wrapper complete one cycle of wrapping (let the pusher come all of the way back) between each bale.

NOTE :	If needed, you can interrupt the wrapping to adjust the wrapper (see chapter Common Adjustments 5) or to adjust the direction of the wrapper (see section 4.6) to avoid obstacles and align the bale row.

4.6 Orientation of the bale tube

You can change the direction of the bale tube to avoid obstacles or so that the row is as straight as possible. To do this, simply move the control lever in the direction (Figure 2) that you wish the wrapper to move.

4.7 Ending a bale tube

The X-Tractor system allows you to finish the tube and empty the wrapper.

Preparation for finishing the bale row

1. Before you put the last bale on the wrapper, adjust the stopper of the pusher to the closest position to the hoop as possible (Figure 21). So, the last bale of the tube will be pushed farther than the cylinder of the X-tractor.

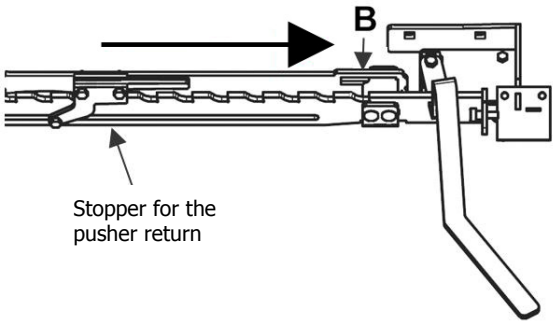


Figure 21 – Adjusting the stopper for the pusher

2. Put the last bale to be wrapped in the bale bag and put it on the wrapper. The end of the bag should be facing the rear of the wrapper (Figure 22). When the cycle is complete the bale should be at the end of the X-tractor push off cylinder.

NOTE : The X-Tractor system can only be used when the pusher has completely returned to its home position.

The pusher will only move once the X-tractor is completely retracted to its home position.

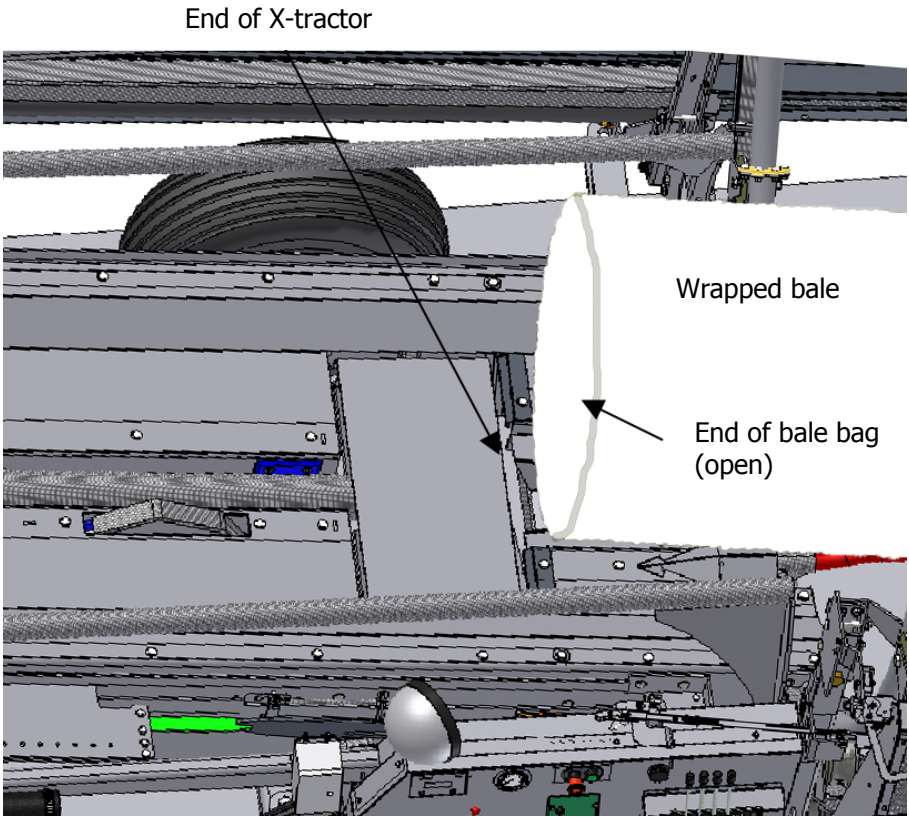


Figure 22 – Last bale position

3. Remove the locking pin from the idle control of the engine so that it runs at its highest RPM.
4. Turn the Hydraulic brake knob so that it is at the minimum setting.
5. Be sure that the traction wheels at the front of the wrapper are straight so that the machine does not turn during the extraction of the bales.

Warning!

Be sure that the last bale is not on the pushing head of the X-Tractor. If the X-tractor comes out of its housing and gets caught up in the bale you could damage the cylinder.

Ending your bale row with the X-Tractor system

1. Activate the X-tractor with the control lever on the main valve.
2. As soon as the pusher head of the X-tractor comes in contact with the last bale you can manually activate the hoop to finish wrapping the bale.
3. Once the last bale is completely wrapped, Stop the Hoop and the X-tractor cylinder. You should try to stop the hoop in a position that the stretcher is easily accessible so that you can cut the plastic film.
4. Cut the plastic at each stretcher (If the machine has a plastic watch you should cut so as not to have to pass the plastic film through the stretcher when you start your next bale row).

Completely push off the last bale

1. When the plastic has been cut from each stretcher, activate the X-tractor and push the row until the last bale is free of the wrapper.
2. Retract the X-Tractor so that it returns to its home position.

Close the end bale bag

Once the row is complete and free of the wrapper, close the end bale bag tightly. If the bag is tight and there are no holes in the plastic the bag will begin to inflate after about 20 to 30 minutes.

If the bag does not inflate, it is because the bale tube is not air tight. Find where the hole is and repair it.

4.8 Wrapping two stacked square bales

The HYBRID EVOLUTION allows you to wrap two square bales stacked on each other.

Proceed as follows:

1. Deactivate the pusher trigger. (See section 5.9), to bypass the trigger that operates the pusher when a bale is placed on the table.
2. Place a square bale on the table of the wrapper.
3. Place another square bale on top of the first. Be careful to keep the bales in line with each other.
4. Push the button on the remote control to activate the pusher. See section 3.4, Table 4.

NOTE :	To reduce air pockets inside the tube of wrapped bales, we recommend that you place the second bale with a small overlap in the front. See (Figure 23)

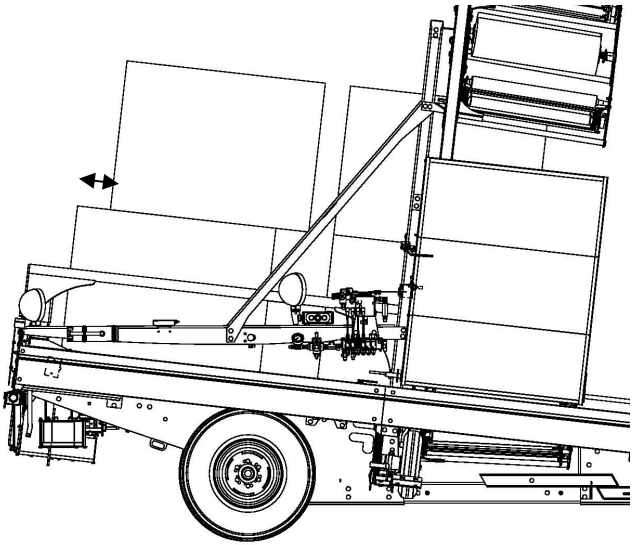


Figure 23 – Wrapping two square bales

4.9 Pusher bypass

You can deactivate the pusher if you need to change plastic rolls when a bale is on the pusher trigger. You will still be able to activate the hoop so that you will have access to the stretchers. To do this you will just have to turn off the ball valve located beside the hydraulic oil tank. When you turn this handle to the off position (Figure 24) the pusher will then be deactivated.

NOTE :	Deactivating the pusher still allows you to activate the hoop, even if a bale is on the trigger.

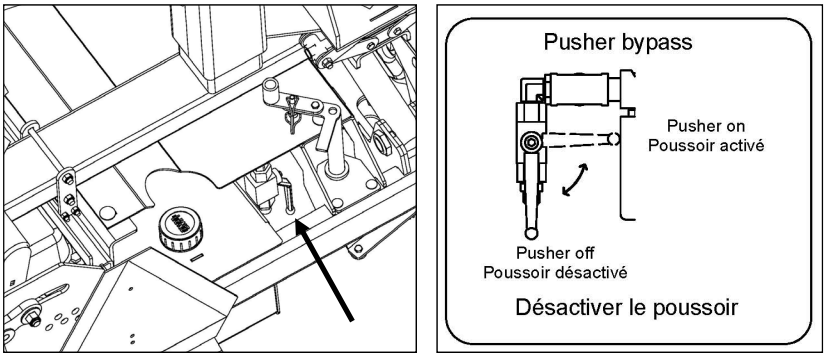


Figure 24 – Pusher bypass

5 Common Adjustments

To create a bale row that corresponds to the characteristics of your bales, you have to proceed with various adjustments. These adjustments can be modified at any time during the wrapping process to adapt better to your needs. You can modify the following adjustments.

- Width of your bales (Bale guides)
- rollers
- Pusher return (at the end of its cycle)
- Hoop start
- Pusher height
- Bale compression
- Number of plastic layers

5.1 Width of your bales (Bale guides)

The bale guides serve to keep your bales aligned well during the pusher's cycle. Adjust the bale guides according to the diameter of the bales to be wrapped.

3. Remove the locking bars at each end of the bale guides

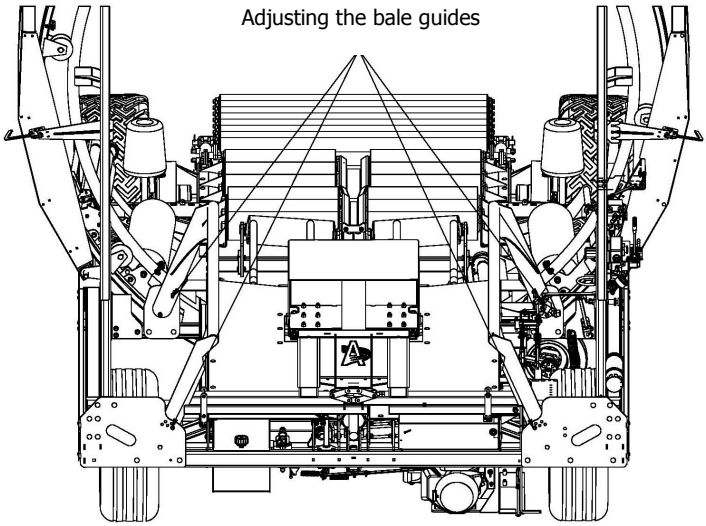


Figure 25 – Adjusting the bale guides

4. Place the bale guides in the appropriate position for the diameter of bales you are wrapping.

Warning!

Place both bale guides in the same position.

5. Replace the locking bars in the new position and lock in place.

5.2 Guide roller

Guide rollers serve to align the bales as they exit the wrapper. From the factory we adjust the guides to the closest position so that when the bales come off of the machine they are as centered as possible. Both guides should be adjusted to the same position on each side of the wrapper.

If the bales that you are wrapping have a larger diameter than the factory setting, you can enlarge the distance between the guide rollers to leave more space for the bale tube to pass through. You can also place the guide rollers in different positions for certain circumstances, for example, if your wrapping area is on a slope.

Warning!

Make sure that the wrapped bales do not rub on the traction wheels as they are coming off of the wrapper. This would cause damage to the wrapper.

To adjust the guide rollers, proceed as follows:

1. Remove the cotter pin that holds the guide roller in place.

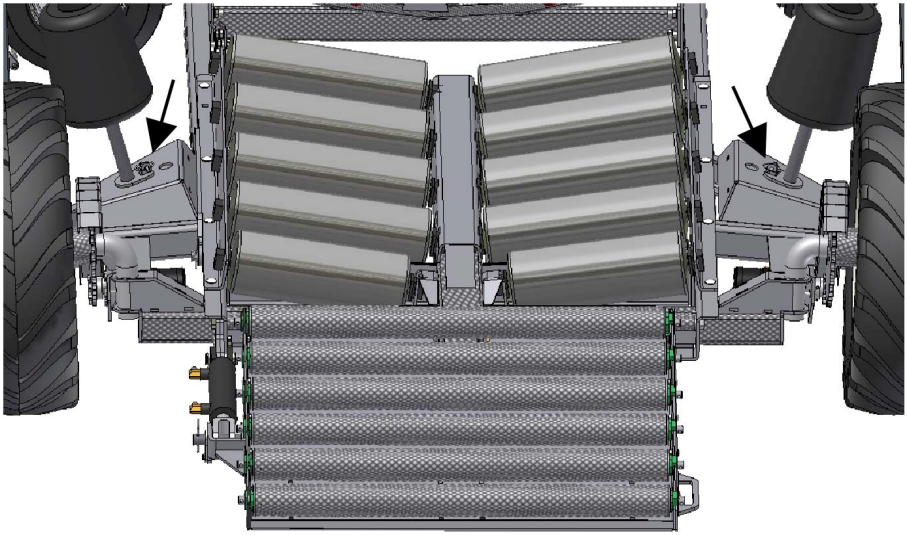


Figure 26 – Adjusting the guide rollers

2. Place the roller in the desired position and put the pin back in to hold the roller in place.
3. If needed follow the same procedure to change the other guide roller.

5.3 Pusher return (at the end of its cycle)

Adjusting the stopper will determine at what moment the pusher will stop and return to its home position. Generally you should follow the table 3 (below) and the diagram (Figure 27). These adjustments should give you enough space to load the next bale on the wrapper. However, if the bale does not have enough space because it is soft or not fully compacted you can adjust the stopper to give you enough space to load your next bale.

To make the pusher come back earlier, move the stopper towards the rear of the wrapper.

To make the pusher come back later, move the stopper towards the front of the wrapper.

Size of round bale	**Setting**
1,2m (4ft)	Position A
1,52m (5ft)	Position B
Size of square bale	**Setting**
(0,9 x 0,8m) (3 x 3ft)	Position A
(0,9 x 1,2m) (3 x 4ft)	Position C

Table 6 – Suggested adjustments (Position of the Pusher return stopper)

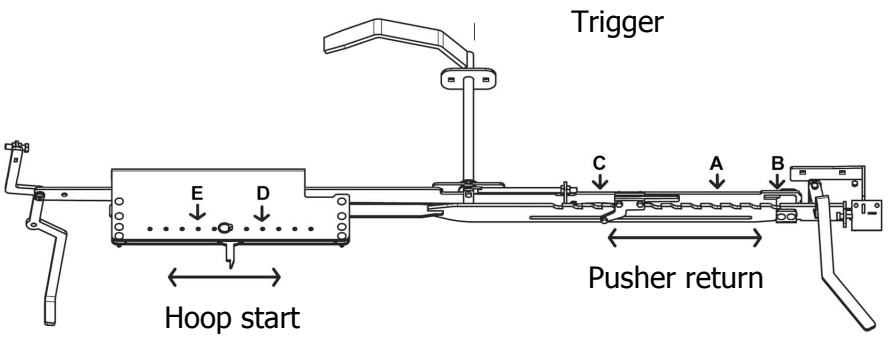


Figure 27 –Automatic system adjustments (Hoop start and Pusher return)

5.4 Hoop starting point

By adjusting the pointer for the hoop start you can determine when the hoop will begin to turn.

NOTE :	You must first adjust the stopper for the pusher return before you adjust the hoop start point.

Generally, you should adjust the pointer to start the hoop so that it begins to turn when the bale is approximately 5cms (2in) from the previously wrapped bale. (See Table 7 Figure 27)

To make the hoop start earlier, move the pointer towards the rear of the wrapper.

To make the hoop start later, move the pointer towards the front of the wrapper.

NOTE :	For round bales of 1.2m (4ft): You can also add one or two additional layers of film to the junction of the bales. You will have tighter and a more air tight bale tube without having to add plastic film everywhere. To do it, you move the pointer towards the rear of the machine.

Size of round bale	**Setting**
1,2m (4ft)	Position D
1,52m (5ft)	Position E
Size of square bale	**Setting**
(0,9 x 0,8m) (3 x 3ft)	Position D
(0,9 x 1,2m) (3 x 4ft)	Position D

Table 7 – Suggested settings (Position of the pointer to start the hoop)

5.5 Pusher height

Generally, it is recommended that you place the pusher as low as possible to make it easier for you to load the bales with your tractor.

However, if the bales are not very tight, the best way to push the bales is by raising the pusher so that you have more contact with the bale.

To raise the pusher, unscrew the bolt to raise the height (Figure 28).

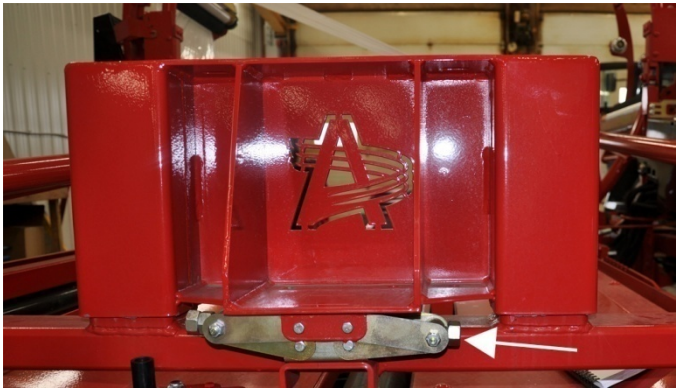


Figure 28 – Adjusting the height of the pusher

5.6 Bale compression

You can modify how the bales are compressed together in the bale tube with the hydraulic brake system. The hydraulic brake serves to block the front wheels of the wrapper causing the bales to be compressed as they are pushed together by the pusher. This will decrease the space needed for your bale rows and also push the maximal air from the tube. This will also be useful if there is a slope where you are wrapping.

Warning!

At the beginning of the row, the brake pressure must be adjusted so that the wrapped bales do not slide on the ground. If this is not done you risk damaging the plastic film.

To modify the pressure on the hydraulic brake, you will tighten the knob on the control panel (Figure 2). The pressure should be set between 500 and 1000 psi. This reading is located on the manometer (gauge) of the wrapper.

5.7 Number of plastic layers

You can adjust the number of layers of plastic film applied by the wrapper by changing the speed of the hoop. As there are two rolls of film, every complete turn of the hoop represents two layers of film. We recommend putting the hoop speed setting to 6 for a normal wrapping. You should have approximately six layers of plastic at this setting.

NOTE :	The number of layers of film chosen on the hoop speed setting is only a rough guide. To be sure of the number of layers you should count them as they are applied and adjust the speed of the hoop to obtain the desired number.

To increase the number of layers of film, place the control lever for the speed of the hoop to a higher number.

To decrease the number of layers of film, place the control lever for the speed of the hoop to a lower number.

5.8 Changing from square to round bales

1. Remove the pin from the exterior spears.
2. Remove the two exterior spears.
3. Lower the two first rollers (A) of the roller table
4. Adjust the bale guides if needed. (section 5.1)
5. Adjust the guide rollers if needed. (section 5.2)

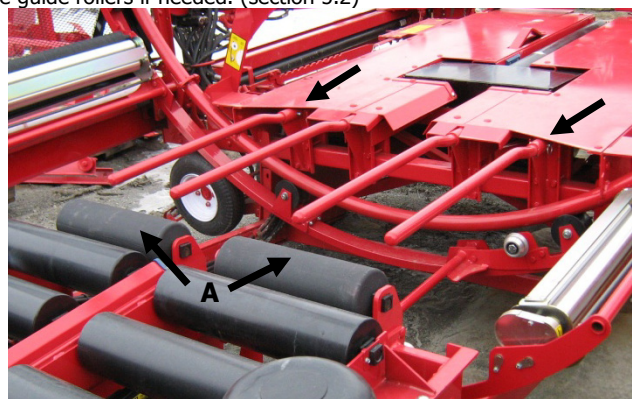


Figure 29 – Round to square bale

5.9 Deactivating the pusher trigger

Remove the locking pin (1) That keeps the pusher trigger in the upright position (2). The trigger should drop into its slot in the table.

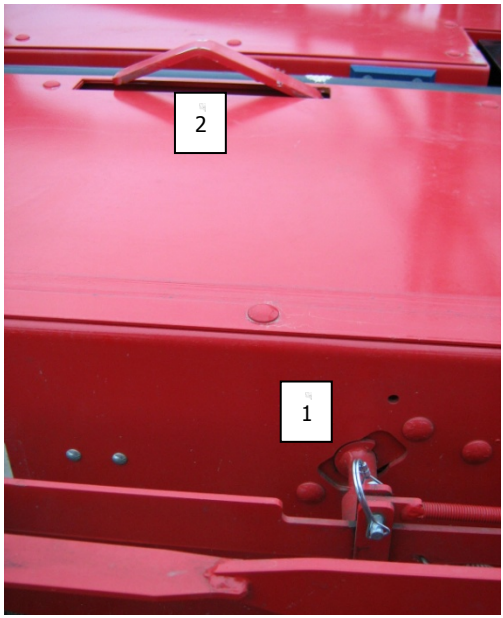


Figure 30 – Deactivating the pusher trigger

6 Maintenance and advanced adjustments

This chapter explains how to maintain and adjust your wrapper to keep it running smooth and avoid it from wearing parts prematurely.

Danger!	**Before doing any maintenance or adjusting your wrapper, remove the ignition key for the engine and put it in the black box located on the side of the wrapper. This will avoid any accidental starting of the engine.**

Danger!	**It is important that you respect all safety regulations during maintenance of your wrapper. Consult the safety and maintenance chapter to follow these procedures properly.**

Warning!	**It is very important to respect maintenance and adjustment schedule. See the section (Maintenance and adjustment schedule) to know what maintenance and required adjustments you should be aware of, and know how often you should follow these procedures.**

To know how to maintain your Honda engine, consult the user guide supplied with this engine.

6.1 Maintenance and adjustment schedule

The following table shows the recommended maintenance schedule for your wrapper.

Maintenance /Adjustment	Timeline	See section
Lubrication	Every 200 bales	6.2
Grease	Every 200 bales	6.3
Cleaning	Every day used or more often if needed	6.4
Tire verification	Every Year	6.5
Stretcher verification	Every Year	6.6
Maintenance and advanced adjustments	When needed (for changing the functions of the wrapper)	6.8

Table 8 – Recommended maintenance schedule and advanced adjustments

6.2 Lubrication

You must lubricate your wrapper in the following places:

Figure 31 – Lubrication points

Figure 32 – Drive chain

Figure 33 – Engine idle control

Figure 34 – Manual hoop start

Figure 35 – Automatic system

Figure 36 – Pusher guide rails

Warning!	**The two square metal tubes that are used as guide rails for the pusher are greased at the factory. Adding grease to these may provoke an accumulation of dust and restrict the pusher from moving freely.** **Instead you should oil these tubes in the place indicated by the sticker. This sticker is located behind the pusher when it is moved forward.**

6.3 Greasing points

You should grease your wrapper with a grease gun after every 200 bales in the following places:

NOTE :	We recommend that you use synthetic grease.

Figure 37 – Grease points

Figure 38 – Both front axels

Figure 39 – Both rear axels

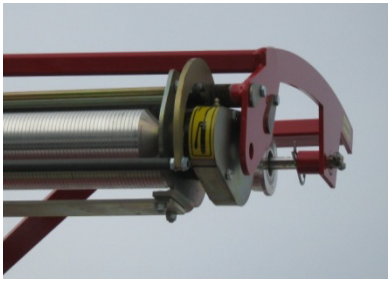


Figure 40 – The gears of the stretcher system

6.4 Cleaning

Front traction sprocket

Remove any debris or hay that may be stuck between the sprockets or around the axel. You should check this after each day that you wrap. Not taking care of this could cause stress on the hydraulic motors.

Engine

Remove any flammable material near the engine. Remove the dust that will accumulate around the air filter of the engine also from time to time.

Rollers

Always keep the rollers for the stretcher and the black rubber roller clean at all times. By doing this you will avoid the stretchers from jamming and breaking your plastic.

If the rollers are clean but do not turn freely, grease them and all of the mobile parts with an all use antifriction lubricant. (Eg Prolab PL-100)

6.5 Verification of the wheels and tires

For safe operation, it is recommended that you verify the pressure of the tires every year. Consult Table 2 to know the specific pressure recommended for each type of tire.

You should verify the wheel bolts often to ensure that they are tight.

6.6 Verification of stretchers

Generally the stretchers do not require any maintenance. If they are not working correctly, verify that the rollers are clean and free of debris. (See section 6.4) We also recommend that you verify the stretch of the plastic film once per year.

Stretcher test

To do a stretch test, proceed as follows:

1. First you must draw a horizontal line about 25cm (10in) on the circumference of the roll with a felt-tip marker on the roll of film.

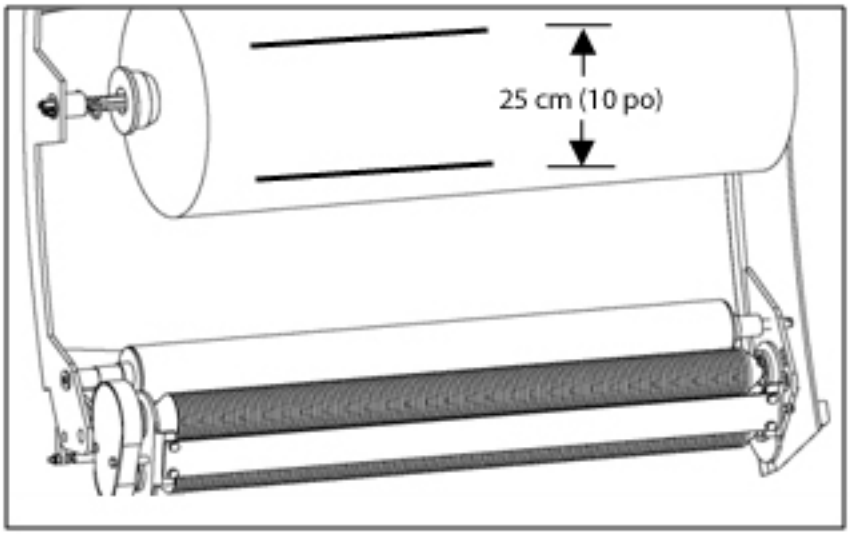


Figure 41 – Stretchers

2. Wrap a bale normally by making two revolutions of the hoop.
3. Measure the distance between the lines on the bale. If the distance is between 38cm (15in) +/- 1cm (.5in) the stretcher is working properly. If the distance is not within these guidelines you should clean the stretcher.
4. Repeat the same test for the other stretcher.

6.7 Association of the remote and the receiver

The remote control and the receiver are associated together at the factory. If you lose or break the remote control, you will have to replace it and then have to associate it to the receiver. To connect the remote to the receiver proceed as follows:

1. Remove the Honda key from the ignition.

Danger!

If you leave the key in the ignition, you risk that the engine be started on its own. This could cause serious injury or even death to the operator.

2. Turn on the remote steering by pressing the blue button on the control panel (Figure 2 – Control panel).
3. Press and hold the start engine button on the remote control (button 7)
4. Press the **Address Learn** button (Figure 8) on the receiver. The led light **Address Learn** will blink green to indicate that the receiver has found a signal and the remote is now associated.
5. Release the buttons.

6.8 Advanced adjustments

This section describes the adjustments that may be necessary during the repair of the wrapper.

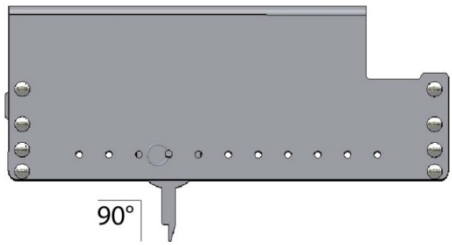
Adjusting the hoop activation lever (pointer)

This adjustment is necessary if the hoop does not start when the automatic system is engaged.

Warning!

Before making this adjustment, disengage the hoop by placing the control lever of the hoop in the back position (manual mode).

The hoop is disengaged if the pointer is at a 90° angle to its support plate.



If you adjust the control lever (pointer) without disengaging the hoop you may damage the wrapper.

To adjust the control lever for activating the hoop, proceed as follows:

1. Place the stopper for the return of the pusher in the 7th position from the back of the wrapper (Figure 42).

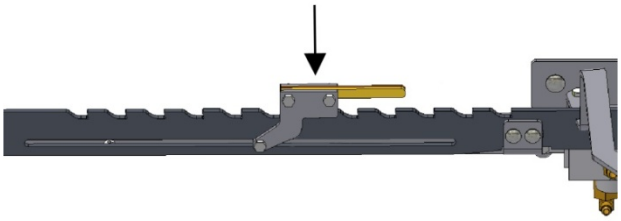


Figure 42 – Adjustment of the hoop activation (return of the pusher)

2. On the control panel, you need to place the hoop speed control to the position 0. (Figure 2) and press the button to stop the hydraulics.
3. You should place the pointer for the hoop start as you see in the below illustration (Figure 43) :
   - Manually push the pointer forward on the machine, the angle should be slightly lower than 90° (Figure 43).

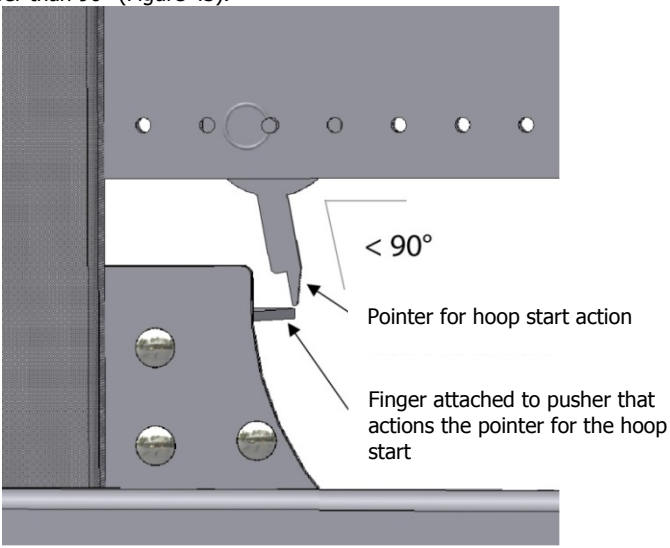


Figure 43 – Adjusting the control of the hoop start (position of the pointer)

- Start the engine.
- Push the manual release for the pusher (Figure 44).

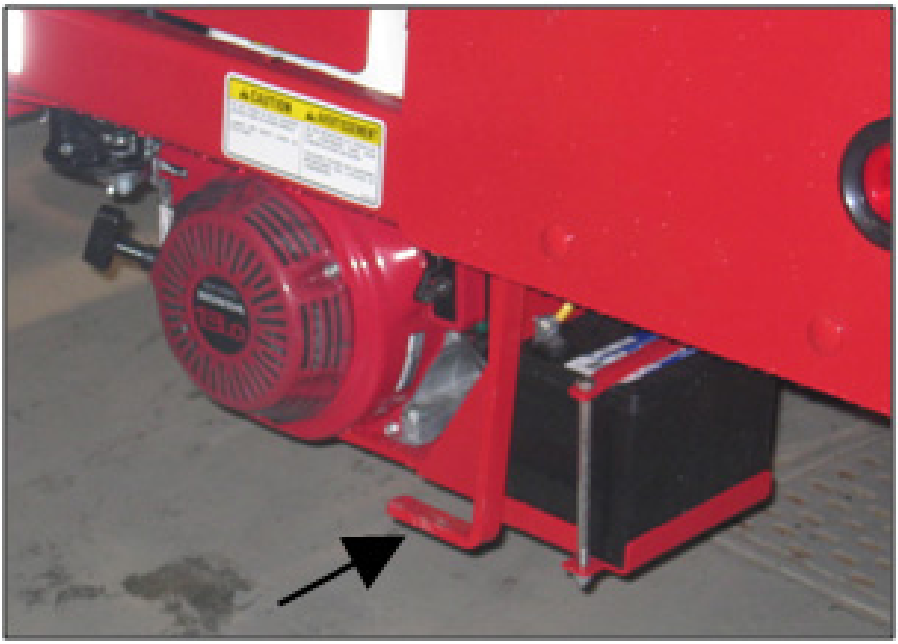


Figure 44 – Adjusting the control for the hoop (manual start of the pusher)

- Move to a position near the wrapper where you can see the pointer that activates the hoop.
- Pull on the emergency stop button. The pusher will move forward. When the finger that is attached to the pusher arrives in front of the pointer push the emergency stop button (Figure 43).
- Stop the engine.

4. Loosen the bolts on the finger that hold in place. Adjust the position so that it slightly touches the pointer. (Figure 45).

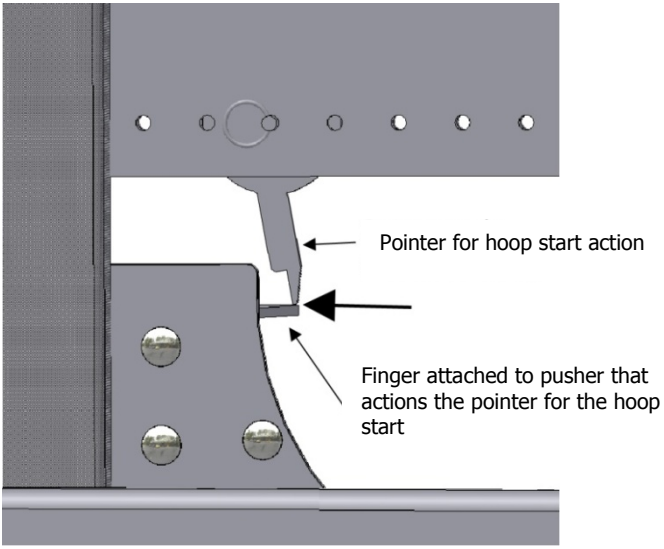


Figure 45 – Adjustment of the hoop trigger

The hoop actuator is now adjusted. Restart the engine and pull on the hydraulic stop so that the pusher comes back to the start position.

Adjusting the pusher trigger

This adjustment is only necessary if the trigger does not engage the pusher when a bale is placed on the wrapper.

Place the pusher bar over the trigger.

To move the pusher bar over the trigger to adjust it, proceed it as follows:

1. Turn the hoop speed control to **0**.
2. Push the emergency stop button.
3. Start the engine.
4. Press the pedal by the engine to manually engage the pusher (Figure 44).
5. Move to a position where you can see the trigger and the pusher bar at the same time (Figure 46).
6. Pull on the hydraulic stop button. Let the pusher go to the front of the wrapper and when it is on its return and over the trigger (Figure 46).
7. Stop the engine.

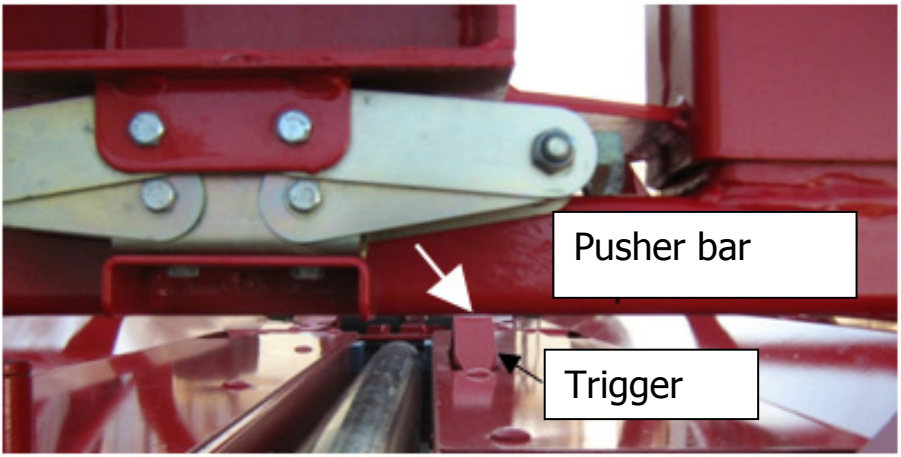


Figure 46 – Adjusting the pusher trigger

Adjusting the height of the trigger

To adjust the height of the trigger of the pusher (Figure 46), proceed as follows:

1. Screw or unscrew the nuts (Figure 47), if you want to raise or lower the trigger for the pusher (Figure 46).
2. To be at the right height the trigger should slightly touch the pusher bar (Figure 46).

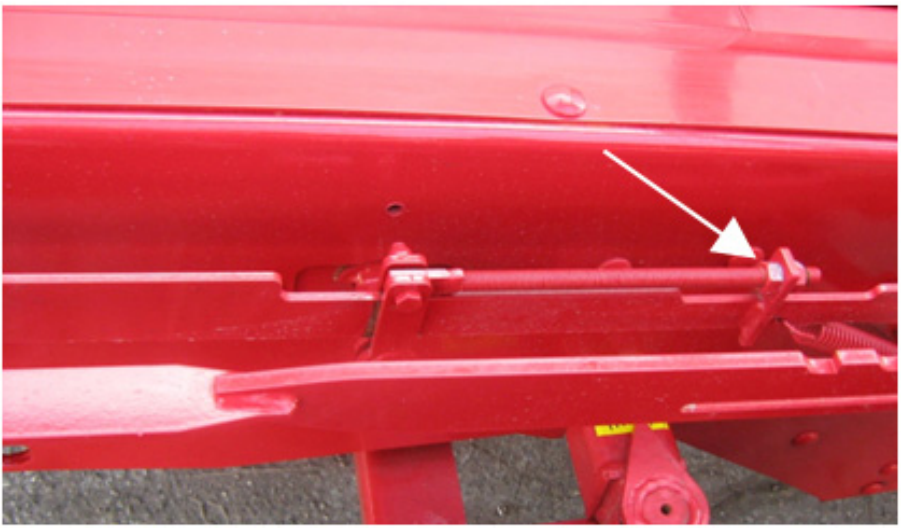


Figure 47 – Adjusting the pusher trigger (nuts)

The trigger is now adjusted. Restart the engine and push the hydraulic stop button so that the pusher returns to the home position.

Adjusting the limit stop (end of cycle for the pusher)

This adjustment is necessary when the engine continues to force, as if the pusher had not returned to the end of its cycle. This usually happens after years of use. To adjust the limit stop, proceed as follows:

1. Stop the engine and push the hydraulic stop button.
2. With the bolts, you can adjust the space slightly as illustrated in Figure 48. The space should be about 2.5cms (1in).

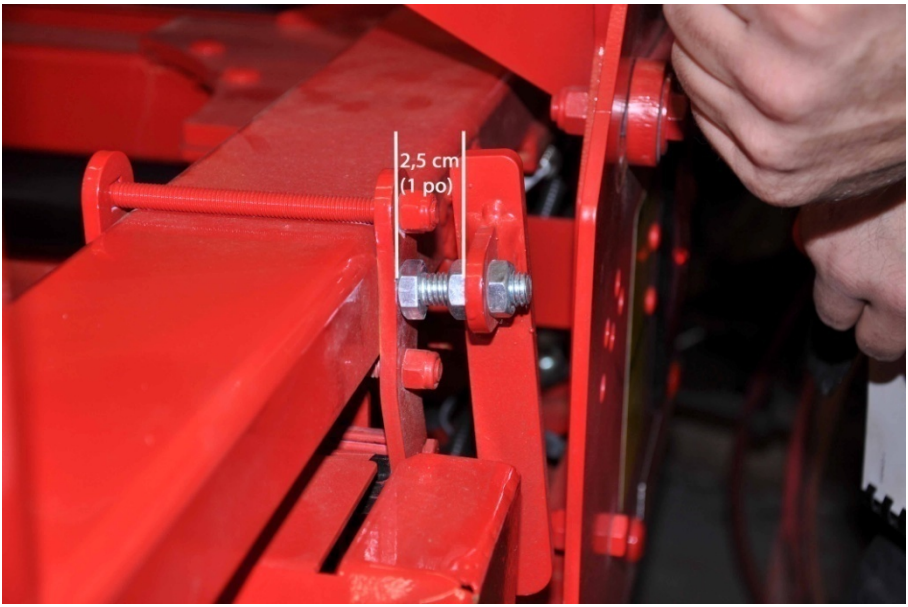


Figure 48 – Adjusting the limit stop for the pusher bar

3. Start the engine and let the pusher do a complete cycle to make sure that the problem has been resolved.

NOTE :	If the problem still has not been solved, repeat the steps and add a little bit more space to the limit stop.

Adjusting the automatic system

This adjustment can be necessary if the hoop does not stop when the cycle of the pusher comes back to its home position, or if the pusher does not return to its home position.

To adjust the automatic system, proceed as follows:

1. Stop the engine and push the emergency stop button and the hydraulic stop button.
2. Push in the pedal for the manual start of the pusher (Figure 49). **Do not start the engine**.

Figure 49 – Adjusting the automatic system (Pusher pedal)

3. Pull the manual control lever for the hoop towards the back of the wrapper to completely extract the valve plunger.

4. The push the handle forward until the plates touches slightly but do not move the valve spool (Figure 50).

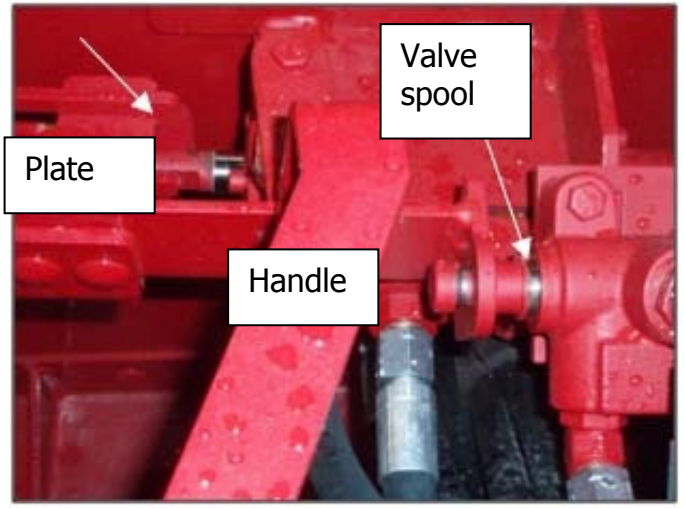


Figure 50 – Adjusting the automatic system (spool position)

5. Measure the distance from the snap ring and the valve body. If the distance is at 3mm (1/8 in) (Figure 51). The valve is adjusted correctly.

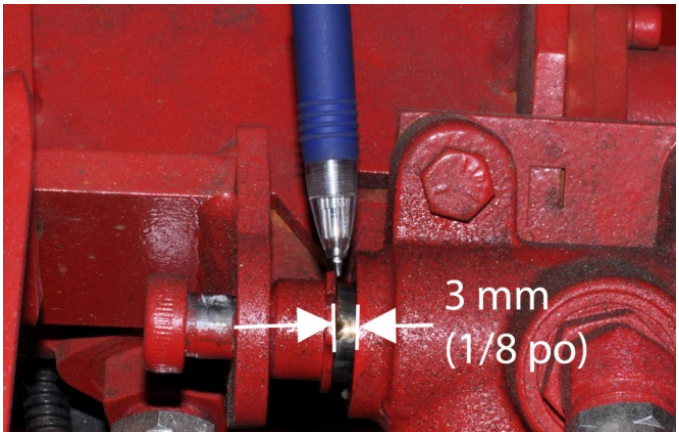


Figure 51 – Adjusting the automatic system (spool measurement)

6. If the measurement is not 3mm (1/8 in) proceed as follows to make the adjustment:

   Unscrew slightly the two bolts from the plate (Figure 52).
   Move the plate forward (Figure 52) by using the handle of the manual start of the hoop. Until you have a space of 3 mm (1/8 in) (Figure 51) do this while leaving the plate at the end of the slot that it sits in (Figure 50).
   - Tighten the two bolts again (Figure 52).

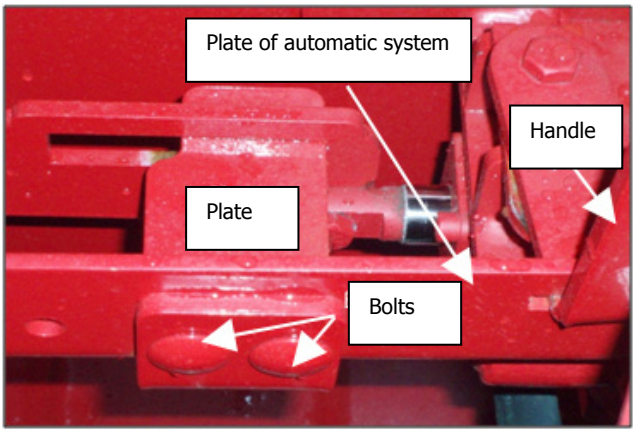


Figure 52 – Adjusting the automatic system (Moving the plate)

7. This is a very precise adjustment, repeat the steps 1 to 5 to verify that the adjustment was done correctly and the space is ok.

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Adjusting the spring on the automatic system

This adjustment may be necessary if the pusher moves all of the way forward but does not return at the end of the cycle and you have tried all other adjustments. To adjust the spring proceed as follows:

1. Verify the position of the spring bracket. It should be at a 45° angle with the bed of the wrapper, which will normally give you the correct amount of tension on the automatic system.

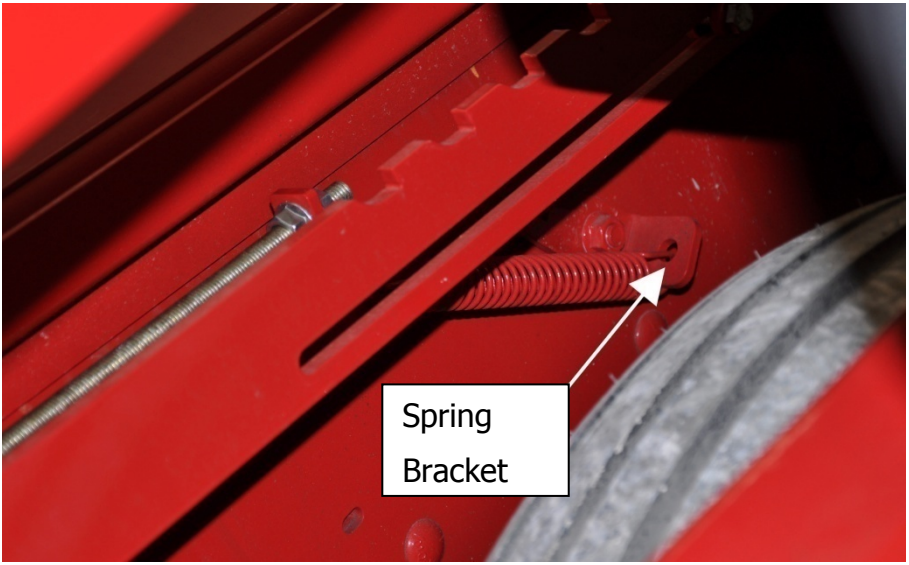

Figure 53 – Adjusting the automatic system spring

2. Unscrew the bolt slightly for the spring support bracket and move it to stretch the spring a little more. Tighten the bolt to secure it in the new position.

NOTE :	You do not want too much tension on the spring or the pusher will return before it is finished its cycle.

Adjusting the hoop drive wheel

If the hoop slips or stops, you can increase the tension of the spring that holds the wheel in place. All you have to do is tighten the nut on the threaded rod, located above the spring. (Figure 54)

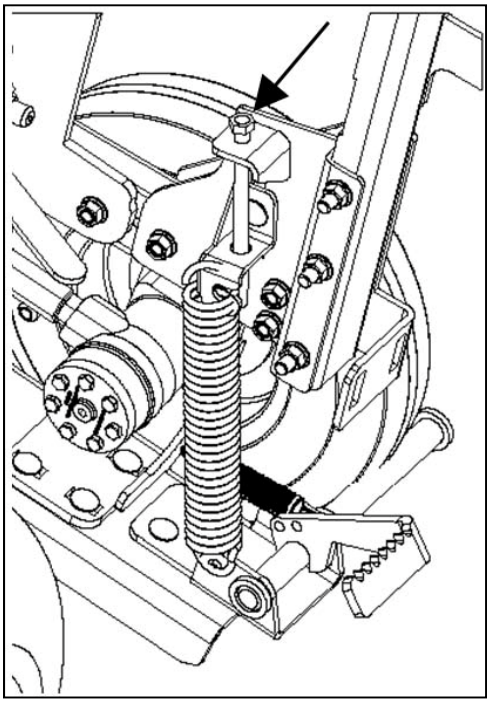

Figure 54 – Adjusting the spring of the hoop drive wheel

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7 Storage

 **Warning!**	**Before turning off the engine of the wrapper, be sure that the pusher has returned to the home position. If this is not done it may drain the battery of the wrapper.**

It is important to store the wrapper appropriately so that it does not wear prematurely. When you store the wrapper, make sure to follow all of the below steps:

- Be sure that all four wheels are touching the ground.
- Block the wheels with wedges so that there is no way the machine moves while in storage.
- Raise the front gate so that nobody climbs on the wrapper.
- Close the gas line so that no fuel gets into the engine.

NOTE :	When storing the wrapper for long periods of time you should disconnect the battery.

Also when you store the wrapper for long periods of time, you should grease the pusher guide bars. This will avoid them from being stiff the next time you use the wrapper. It is also strongly recommended to do a full maintenance check up and lubrication before storing for long periods (see chapter 6).

8 Troubleshooting

The following table describes the most common problems that you may come across with the wrapper. It also gives solutions to resolve them. If your problem does not appear in this table, or if you do not manage to resolve it by yourself, communicate with the service department of your dealer or with the Anderson Service department (consult the section How to reach us at the beginning of the manual for our contact information).

NOTE :	For engine problems, Consult the user manual for the Honda engine that is supplied with the wrapper.

Problem	Possible causes	Solution
The engine does not start.	The fuel valve is closed.	Open the fuel valve and try to start again.
	The gas tank is empty.	Refill the tank.
	The low engine oil sensor of the Honda engine is activated.	Add oil to the engine and try to start again.
	The spark plug is clogged or defective.	Clean the spark plug or change it.
	The engine is flooded because the fuel valve was not closed during transportation.	1. Remove the spark plug, dry it out, dry out the cylinder by activating the starter rank. Put the spark plug back in and try to start again. 2. Change the oil.
	Too much oil in the oil pan.	Adjust the oil level.

Table 9 – Engine trouble

Problem	Possible causes	Solution
The pusher does not move forward.	The bale is not correctly placed on the trigger. The bale may be soft and is not pushing enough on the trigger.	1. Pick up the bale again and rotate it a few degrees and re-load it. 2. Widen the bale guides (See section Width of your bales (Bale guides)(page50).
	The hydraulic oil level or pressure is too low.	Check the oil level. Also check for leaks or holes. Repair if necessary. Add hydraulic oil #32 (or TDH or hydraulic transmission fluid) to the tank.
	The trigger is not properly adjusted..	Adjust the trigger. See section Adjusting the pusher trigger (On page 70).
	The X-Tractor cylinder is not fully retracted.	Make sure that the X-Tractor cylinder is in the rearmost position.
	The valve for deactivating the pusher is open.	Close the valve.
	The bale guides are too close together	Adjust the bale guides so that they are close enough together to keep the bales in line but not squeeze them. See the section Width of your bales (Bale guides) on page 50.
	The bale is not tight enough.	You should not try to wrap bales that are not tight enough.
The pusher does not come back after completing the cycle.	The pusher does not make it all of the way to the stopper because the spring on the automatic system is too tight.	Adjust the spring so that its bracket is approximately 45° in regards to the table. See section Adjusting the spring on the automatic system.
The pusher advances at a normal speed but the hoop does not turn fast enough	The hoop speed control is not adjusted properly	Raise the hoop speed control to a higher setting.
	The hoop control lever does not trigger the hoop.	Adjust the pointer on the automatic system. See section Adjusting the hoop activation lever (pointer) On page 66.
The pusher does not return to the	The automatic system may be dirty.	Clean the automatic system.

Problem	Possible causes	Solution
home position at the end of its cycle.	The spring on the automatic system is not tight enough.	Adjust the spring on the automatic system. See section Adjusting the spring on the automatic system.
The pusher has returned to its home position but the engine is still forcing like it has not completed its cycle	The limit stop is not adjusted properly	Adjust the limit stop for the pusher. See section 6.8

Table 10 – Pusher trouble

Problem	Possible causes	Solution
The X-Tractor system does not work properly	The pusher is not in its rearmost position or the sensor is not properly adjusted	Verify that the pusher is fully retracted and the sensor is in the right position. (The sensor is located just under the pusher bar, Just above the pedal for the manual operation of the pusher.)

Table 11 – X-Tractor trouble

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Problem	Possible Causes	Solution
The hoop does not turn or does not turn fast enough	The speed control is too low	Raise the hoop speed control.
	The hoop drive wheel is slipping on the hoop.	1. Tighten the hoop wheel spring. See section Adjusting the hoop drive wheel 2. Verify the tire pressure. See the section Verification of the wheels and tires 3. Change the tire if it is too worn out.
	The hoop drive wheel does not turn.	1. Verify the hydraulic oil level and check for leaks and debris. Repair if needed. Add hydraulic fluid AW32 to the tank if needed. 2. Verify the hydraulic motor for the hoop drive wheel and change it if needed.
	The lever that starts the hoop is not fully engaged.	Adjust the lever. See section Adjusting the automatic system.

Table 12 – Hoop trouble

Problem	Possible causes	Solution
The hydraulic stop activates by itself.	There may be residue on the spool and the vibration of the plastic watch engages the hydraulic stop.	Clean the spool with a solevent and tighten the components of the plastic watch system.

Table 13 – Diverse trouble

Problem	Possible causes	Solution
The plastic film breaks at normal temperatures	The film is not tight enough	3. Check to make sure that the plastic film roll is installed as indicated in the diagram on the stretcher.
	There may be some debris in the gears of the stretcher.	Remove the debris and check the stretchers.
	The aluminum rollers are dirty	Clean the rollers penetrating oil (WD 40)
	The rubber roller is damaged	Replace this roller.
	The spears have become rough underneath	Sand the spears with light sandpaper.

Table 14 – Wrapping trouble (plastic film)

Problem	Possible causes	Solution
The remote control does not work	The battery is not charged or is dead	Replace the battery of the remote control. When you press on a button, the green LED will flash to indicate that the remote control is passing on a signal.
The remote is transmitting (the LED is blinking) but the machine is not responding.	The remote is out of range.	Move closer to the wrapper.
	The receiver is not turned on	Verify that the LED (address learn) of the receiver flashes and be sure that it is waiting for a signal (Figure 8)
	The remote is no longer associated to the receiver.	Associate the remote control to the receiver by following the instructions of the section. Association of the remote and the receiver
	There is a problem with the remote (turn off engine button).	Verify the stop engine button on the remote and retry.
	The battery on the wrapper is not charged enough.	Charge or replace the battery of the wrapper with one that has a charge of at least 12.5V.
Some functions of the wrapper do not work all of the time	The wires are not connected well	Check the connections of each of the functions that do not work correctly and clean the connections.
The engine will not start with the remote control	The security function is activating on the remote.	Press the stop engine on the remote and then retry the start engine.

Table 15 – Trouble with the remote steering

9 Options

Your wrapper can be equipped with one or several options. The available options are described in the following sections.

9.1 Working lights

This option includes two lights installed on the upper frame on the right side of the machine to make it easier to work in the evening or night. The lights are connected to the electrical system of the wrapper. To turn on these lights you just have to flip the switch located beside the ignition switch of the engine.

NOTE :	The engine must have an alternator of at least 10 amps in order to install this option. Less than that and you will drain the battery of the wrapper while you use the work lights.

9.2 Anderson Plastic Watch

When added to the wrapper, this option will automatically stop the hoop if the plastic film breaks or if one of the rolls is empty.

To activate the plastic watch:

1. Remove the locking pin.
2. Move the arm of the plastic detector and place the pin in the hole to activate or deactivate the plastic watch.
3. Lock the pin in place.

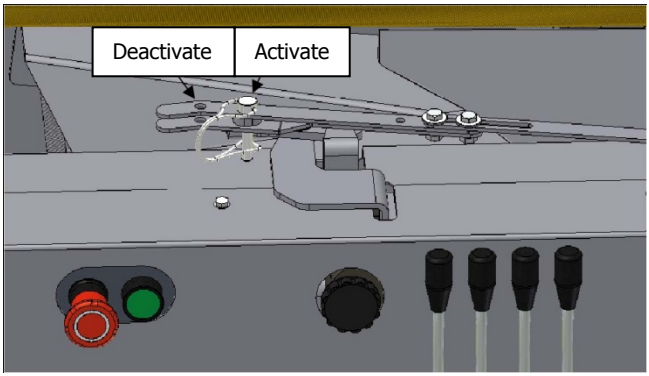

Figure 55 – Activation / deactivation of the plastic watch

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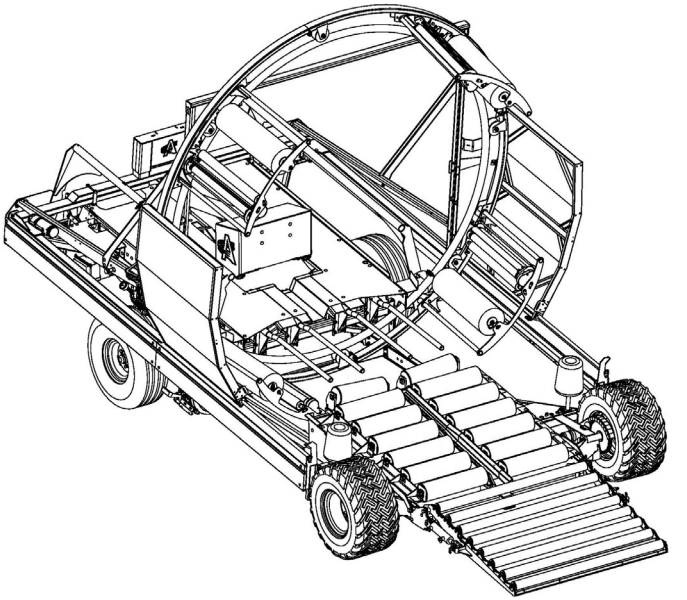
The NutriWrap™ System

Parts manual

ROUND BALE WRAPPER
Hybrid Evolution



ALWAYS KEEP THIS MANUAL WITH THE WRAPPER

Content

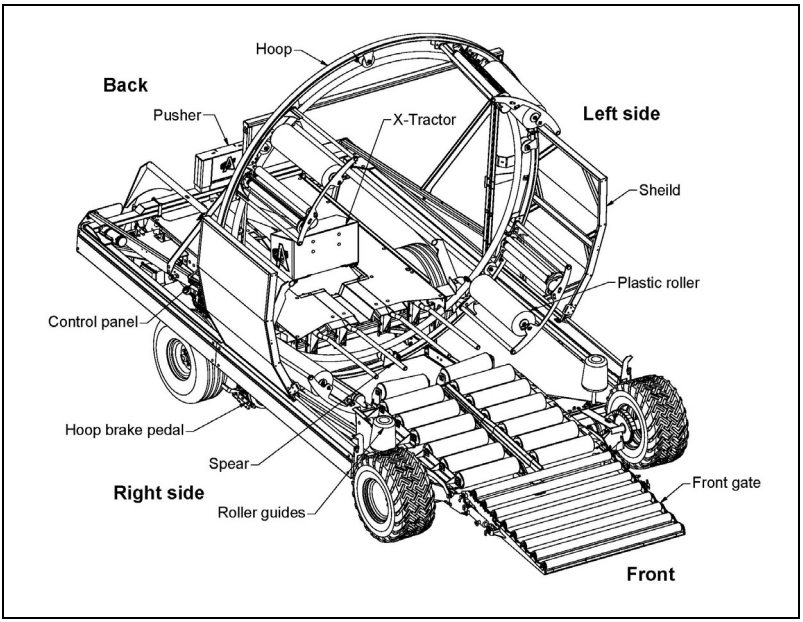
For any parts order, please use the parts manual to find the item(s) you need and contact your dealer to order it or contact us directly at :

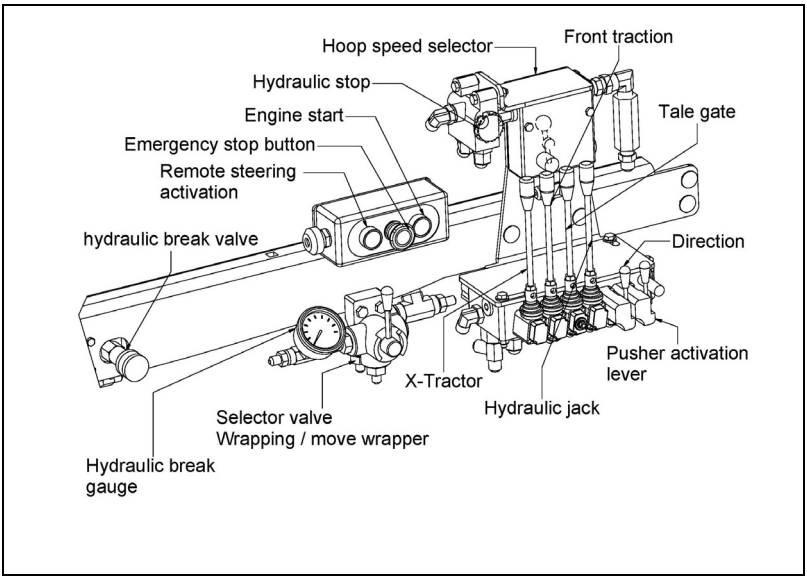
ANDERSON EQUIPMENT
5125 de la Plaisance
Chesterville (Québec)
CANADA G0P 1J0

Fax : (819) 382-2218
Email : service@grpanderson.com

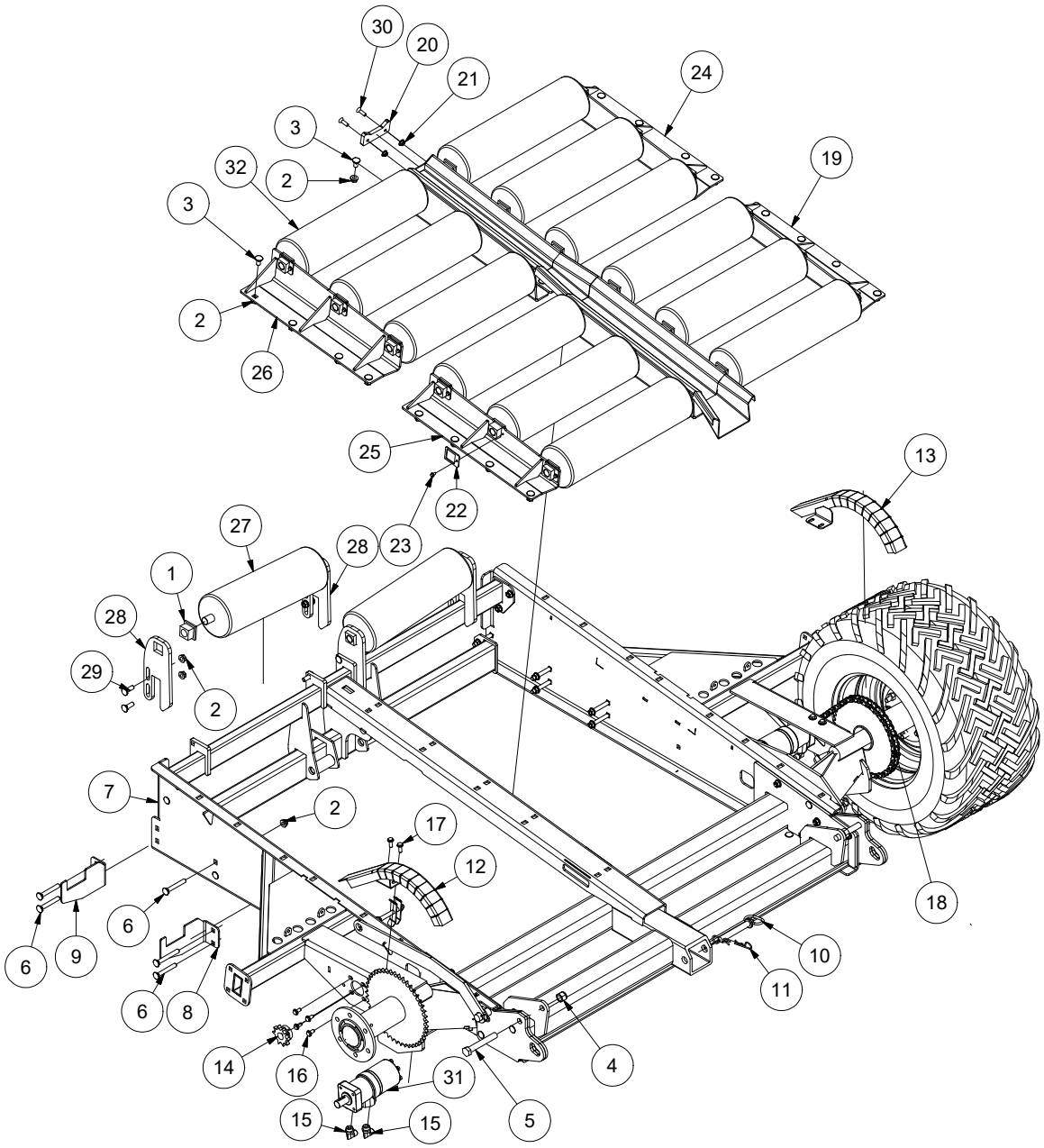
Visit our website ➔ ***www.grpanderson.com***

1-General view





3 - FRAME FRONT SECTION



Anderson Group, 5125 de la Plaisance Chesterville (Québec) G0P 1J0
Email : service@grpanderson.com

3 - FRAME FRONT SECTION

ANDERSON

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	COMMENTS
1	28	279001	PLASTIC BUSHING	
2	68	501024	HEX FLANGE NUT GR2 1/2-13 Z	
3	35	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	
4	2	501036	HEX NYLON LOCKNUT GR5 3/4-10 Z	
5	2	500297	HEX BOLT GR5 3/4-10 X 5	
6	11	500509	CARRIAGE BOLT GR5 1/2-13 X 3 1/2 Z	
7	1	210939-1	FRONT FRAME	
8	1	210513	TOW BAR FRONT SUPPORT	
9	1	210514	TOW BAR REAR SUPPORT	
10	1	320082	TOW BAR LOCKING PIN	
11	3	320039	HITCH PIN	
12	1	210516	RIGHT SIDE GUARD CHAIN	
13	1	210017	LEFT SIDE GUARD CHAIN	
14	2	301010	SPROCKET	
15	4	451266	8 M.JIC - 10 M.ORB 90°	
16	8	500600	HEX FLANGE BOLT GR5 3/8-16 X 3/4 Z	
17	2	500602	HEX FLANGE BOLT GR5 3/8-16 X 1 Z	
18	2	302593	CHAIN	
19	1	210940	LOWER LEFT SIDE ROLLER	
20	1	308019	PROTECTOR	
21	3	501022	HEX FLANGE NUT GR2 3/8-16 Z	
22	12	210521-1	ROLL LOCK	
23	12	507039-1	HEX SELF-THREADING SCREW 1/4-20 X 1/2 Z	
24	1	210941	HIGHER LEFT SIDE ROLLER	
25	1	210942	LOWER RIGHT SIDE ROLLER	
26	1	210943	HIGHER RIGHT SIDE ROLLER	
27	2	224091	TABLE ROLLER	
28	4	210944	NON FIXED ROLLER SUPPORT	#64-18004 AND BEFORE
28	4	210944-1	NON FIXED ROLLER SUPPORT	#64-18005 AND BEYOND
29	15	500502	CARRIAGE BOLT GR5 1/2-13 X 1 1/2 Z	
30	2	507053-1	HEX FLAT HEAD CAP SCREW GR5 3/8-16 X 1 1/4	
31	2	469163	HYDRAULIC MOTOR	
32	12	224408 + 224408-1	BLACK ROLL 6" DIA X (25" 5/8)	

3 - FRAME FRONT SECTION

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	COMMENTS
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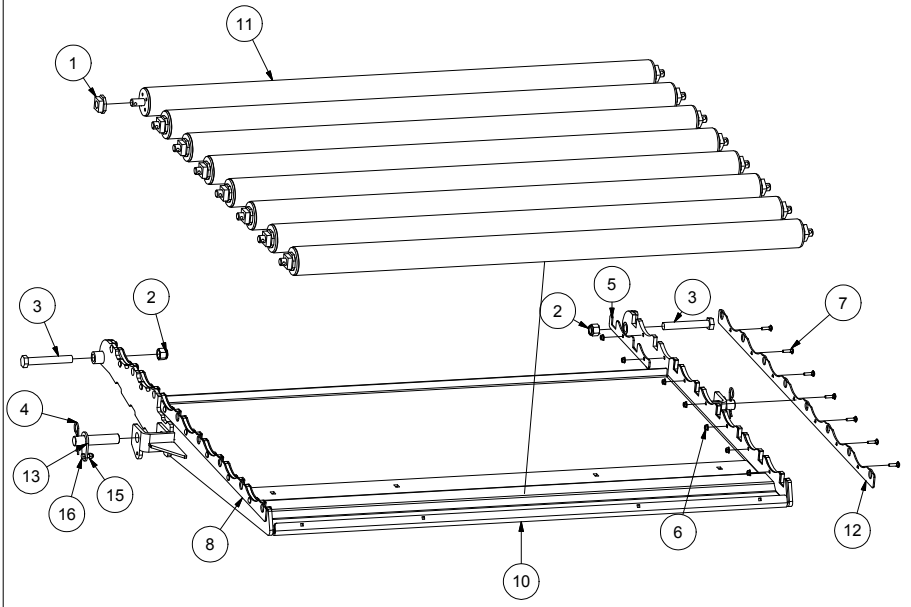
4	2	501036	HEX NYLON LOCKNUT GR5 3/4-10 Z	
5	2	500297	HEX BOLT GR5 3/4-10 X 5	
6	11	500509	CARRIAGE BOLT GR5 1/2-13 X 3 1/2 Z	
7	1	210939	FRONT FRAME	#64-18004 AND BEFORE
7	1	210939-1	FRONT FRAME	#64-18005 AND BEYOND
8	1	210513	TOW BAR FRONT SUPPORT	
9	1	210514	TOW BAR REAR SUPPORT	
10	1	320082	TOW BAR LOCKING PIN	
11	3	320039	HITCH PIN	
12	1	210516	RIGHT SIDE GUARD CHAIN	
13	1	210512	LEFT SIDE GUARD CHAIN	
14	2	301010	SPROCKET	
15	4	451266	8 M.JIC - 10 M.ORB 90°	
16	8	500600	HEX FLANGE BOLT GR5 3/8-16 X 3/4 Z	
17	2	500602	HEX FLANGE BOLT GR5 3/8-16 X 1 Z	
18	2	302593	CHAIN	
19	1	210940	LOWER LEFT SIDE ROLLER	
20	1	308019	PROTECTOR	
21	3	501022	HEX FLANGE NUT GR2 3/8-16 Z	
22	12	210521-1	ROLL LOCK	
23	12	507039-1	HEX SELF-THREADING SCREW 1/4-20 X 1/2 Z	
24	1	210941	HIGHER LEFT SIDE ROLLER	
25	1	210942	LOWER RIGHT SIDE ROLLER	
26	1	210943	HIGHER RIGHT SIDE ROLLER	
27	2	224091	TABLE ROLLER	
28	4	210944	NON FIXED ROLLER SUPPORT	#64-18004 AND BEFORE
28	4	210944-1	NON FIXED ROLLER SUPPORT	#64-18005 AND BEYOND
29	15	500502	CARRIAGE BOLT GR5 1/2-13 X 1 1/2 Z	
30	2	507053-1	HEX FLAT HEAD CAP SCREW GR5 3/8-16 X 1 1/4	
31	2	469163	HYDRAULIC MOTOR	
32	12	224408	BLACK ROLL 6" DIA X (25" 5/8)	

4 - FRONT GATE

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	16	279002	PLASTIC BUSHING	
2	2	501036	NYLON NUT	
3	2	500297	BOLT	
4	5	320039	HITCH PIN	
5	1	210945-1	FRONT GATE ROLL PLATE	
6	14	501020	HEX FLANGE NUT GR2 1/4-20 Z	
7	12	500361	CARRIAGE BOLT GR5 1/4-20 X 1 Z	
8	1	210945-2	FRONT GATE ROLL LOCKING	
9	1	210947-1	GATE FRAME	65-12000-->
10	1	210947	GATE FRAME	<--65-12000
11	8	210948	FRONT GATE ROLL	
12	1	210945	FRONT GATE ROLL LOCKING	
13	2	210260	GATE LOCKING PIN	65-12000-->
14	2	210142-2	GATE LOCKING PIN	<--65-12000
15	2	501031	NYLON NUT	
16	2	500044	HEX BOLT GR5 5/16-18 X 1	



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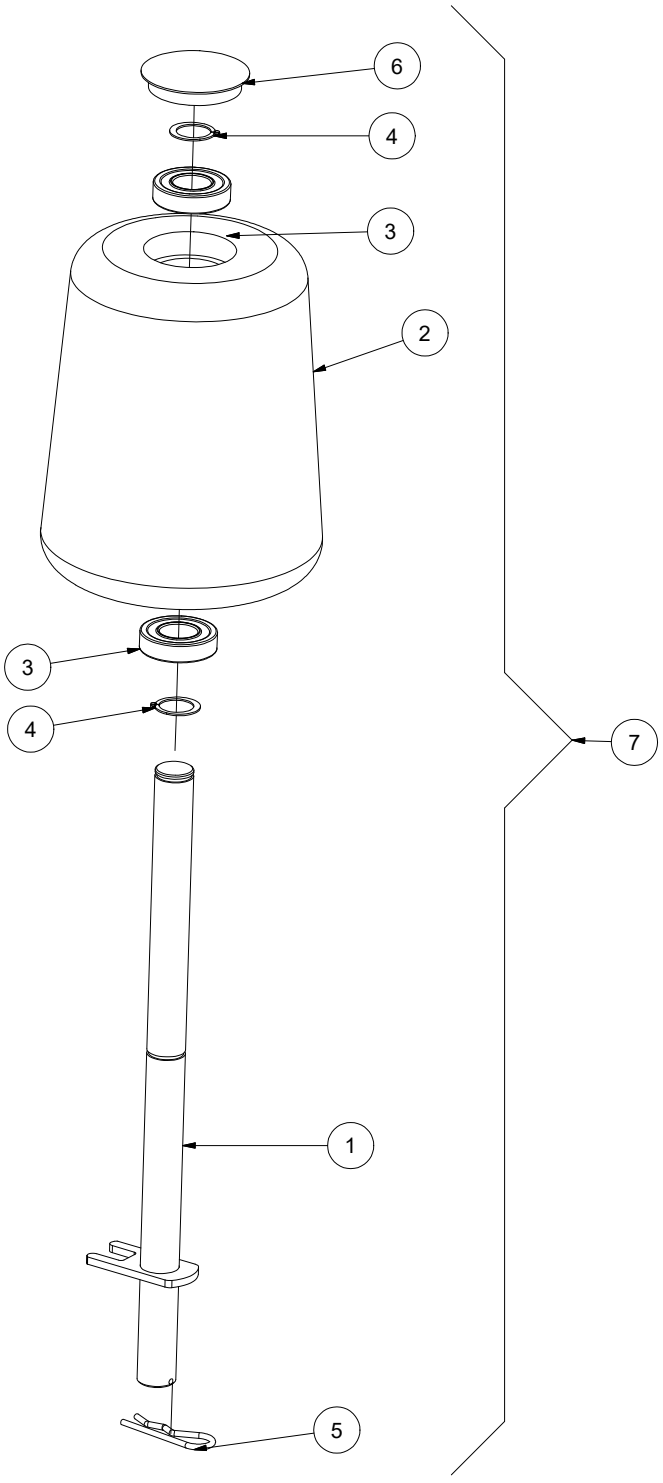
5 - SUPPORT ROLLER



PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	224026-1	ROLLER SUPPORT STAND
2	1	325112	PLASTIC CONE
3	2	303045	BEARING 1654-Z
4	2	320006	RETAINING RING
5	1	320039	HITCH PIN 3/16
6	1	325107	CAP
7	1	210832	COMPLETE ASSEMBLY

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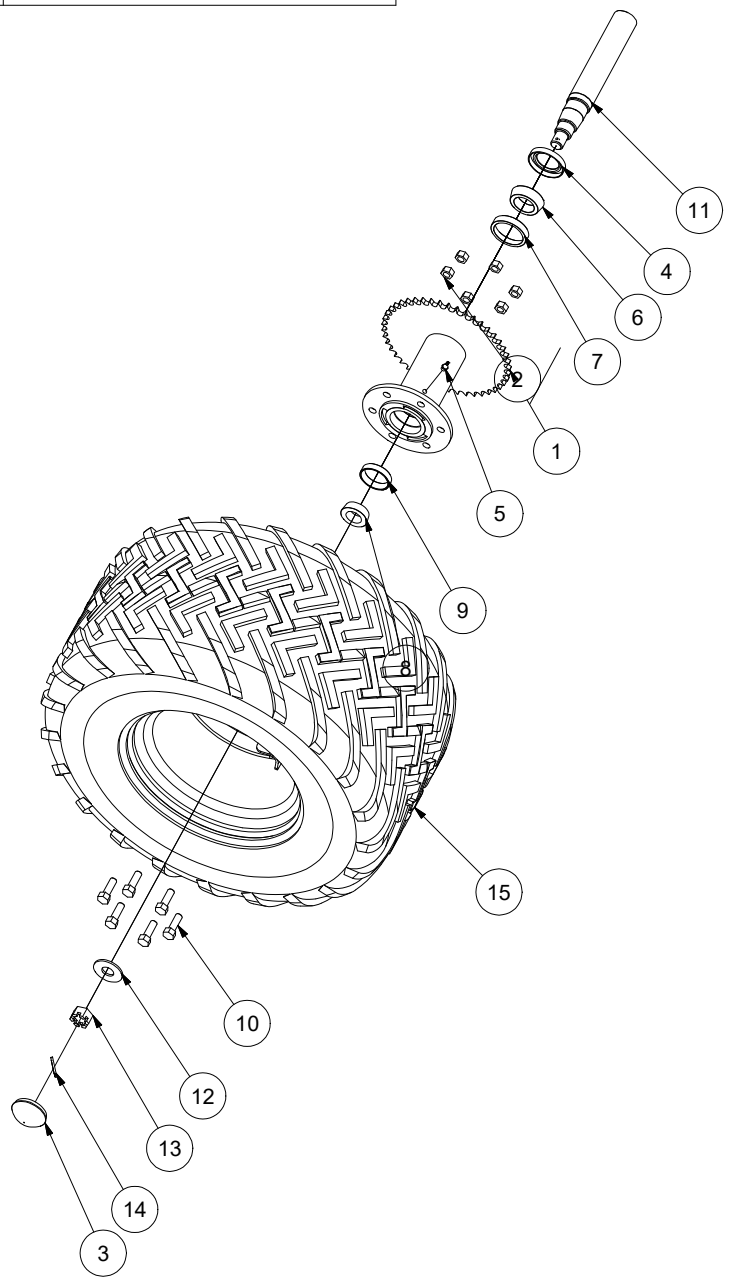
6 - FRONT SPINDLE

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	2	210016	HUB WITH SPROCKET
2	12	501084-1	HEX NUT 9/16-18 Z
3	2	481005	DUST CAP
4	2	303500	RADIAL SHAFT SEAL 5000-3X2-A
5	2	322294	GREASE FITTING
6	2	303501	BEARING LM603049
7	2	303099	BEARING LM603011
8	2	303034	BEARING LM48548
9	2	303037	ROLLING BEARING CAGE LM48510
10	12	507016	CASTLE NUT
11	3	481105	AXLE
12	2	502011	FLAT WASHER 1 Z
13	2	501075	HEX CASTLE NUT 1-14
14	2	320042	COTTER PIN 5/32 X 2 1/2
15	2	481517	TIRE AND WHEEL RIM



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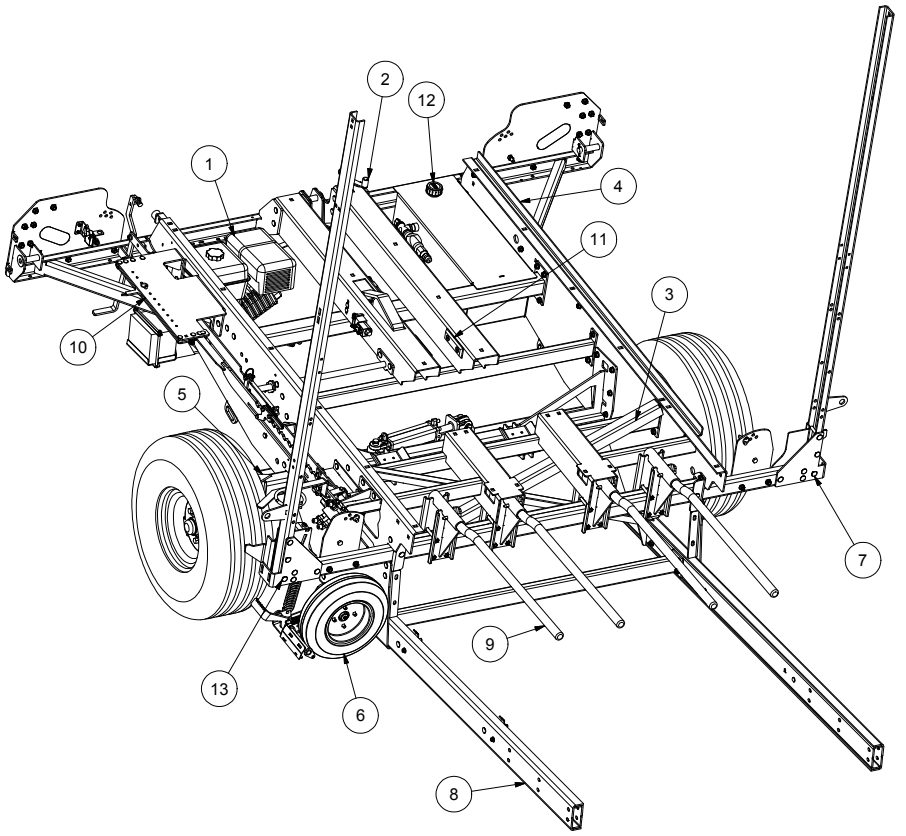
7 - REAR FRAME

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	***	COMPLETE ENGINE UNIT
2	1	***	COMPLETE TROTTLE
3	2	210949	X-REINFORCEMENT
4	1	210950	LEFT GUIDE
5	1	***	STEERING WHEEL
6	1	***	COMPLETE DRIVE WHEEL
7	1	***	LEFT HOOP SUPPORT
8	1	210951	FRAME LINKING BEAM
9	4	***	COMPLETE SPEAR
10	1	***	AUTOMATIC SYSTEM
11	1	308009	TIVAR
12	1	***	TANK
13	1	***	RIGHT HOOP SUPPORT

***SEE OTHERS PAGES



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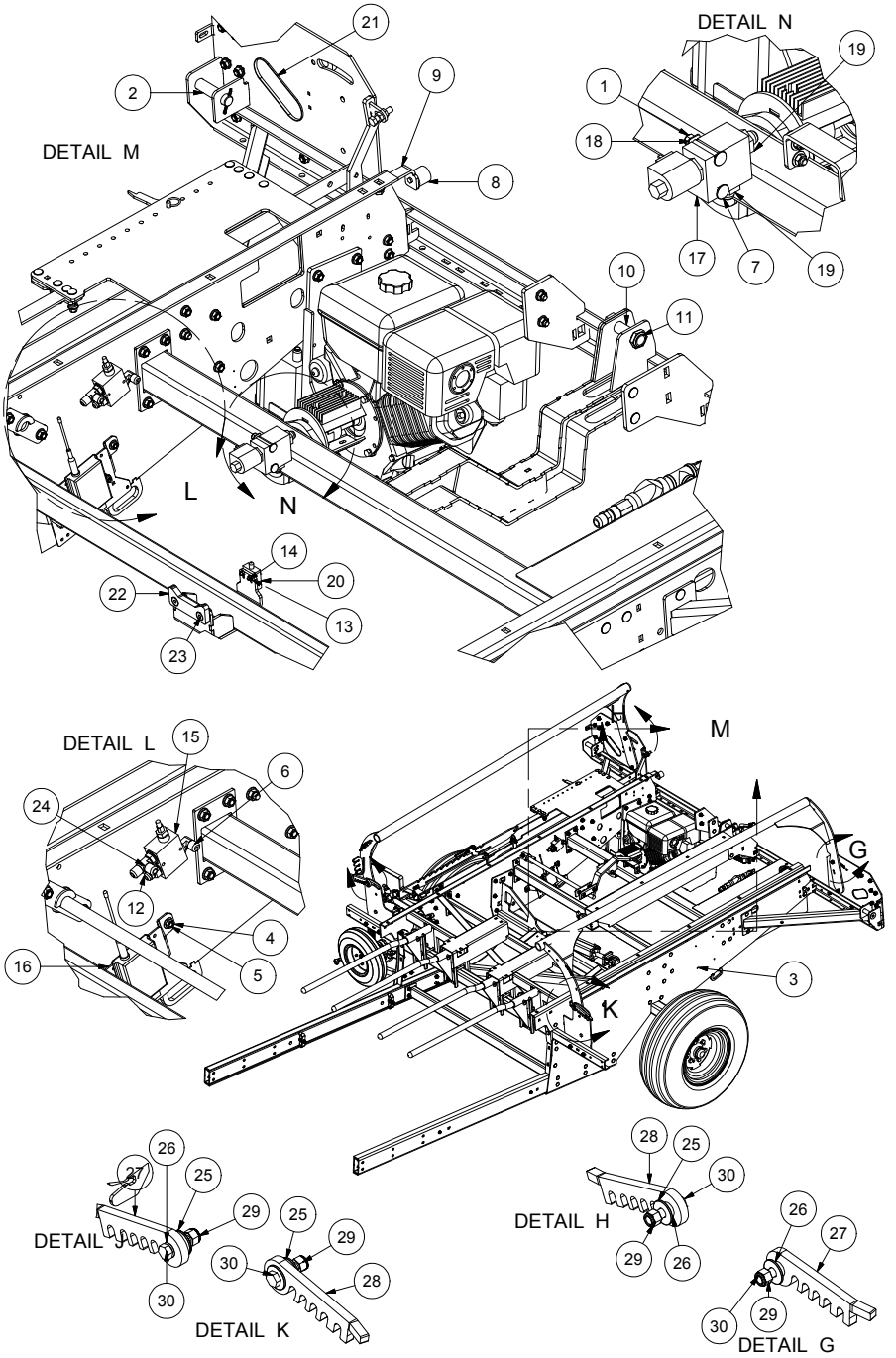
7 - REAR FRAME



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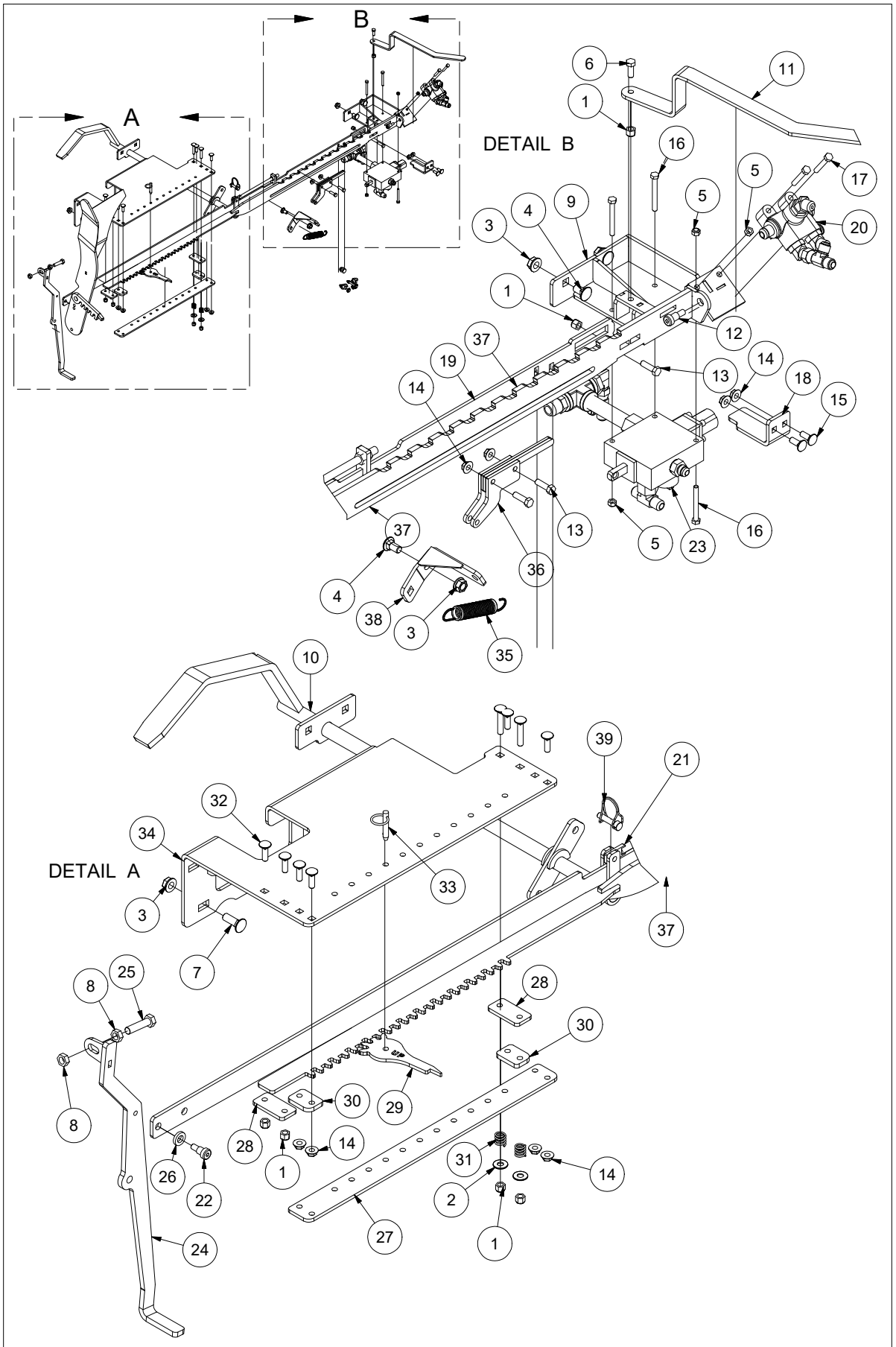
7 - REAR FRAME

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	16	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z
2	2	210236	REAR CYLINDER PIN
3	1	210988	FRAME
4	23	501022	HEX FLANGE NUT GR2 3/8-16 Z
5	11	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z
6	1	451265	8 M.JIC - 8 M.ORB 90°
7	6	500448	CARRIAGE BOLT GR5 3/8-16 X 2 1/2 Z
8	1	325115	RUBBER DOOR HOLDER
9	1	210844-1	RUBBER SUPPORT
10	1	500328	HEX BOLT GR51-8 X 3 1/2 Z
11	1	501057	HEX HALF NUT GR5 1-8 Z
12	1	451178	8 M.JIC - 8 M.ORB
13	2	501050	HEX NYLON LOCKNUT GR5 #10-24
14	2	500348	HEX BOLT GR5 10/24 X 1 1/4
15	1	466014	RELIEF VALVE
16	1	T1-CE	AUTOMATIC PILOT
17	1	465047	VALVE
18	1	210982	VALVE PLATE 2
19	2	451180	HYDRAULIC FITTING
20	1	315160	LIMIT SWITCH
21	2	210136-3	LIGHT KIT
22	1	308019	PROTECTOR
23	2	507053-1	HEX FLAT HEAD CAP SCREW GR5 3/8-16 X 1 1/4
24	1	451324	HYDRAULIC FITTING
25	13	502006	FLAT WASHER 1/2 Z
26	4	308015	BUSHING
27	2	210368-1	LEFT GUIDE ATTACHMENT
28	2	210367-1	RIGHT GUIDE ATTACHMENT
29	10	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z
30	5	500180	HEX BOLT GR5 1/2-13 X 2

8 - AUTOMATIC SYSTEM



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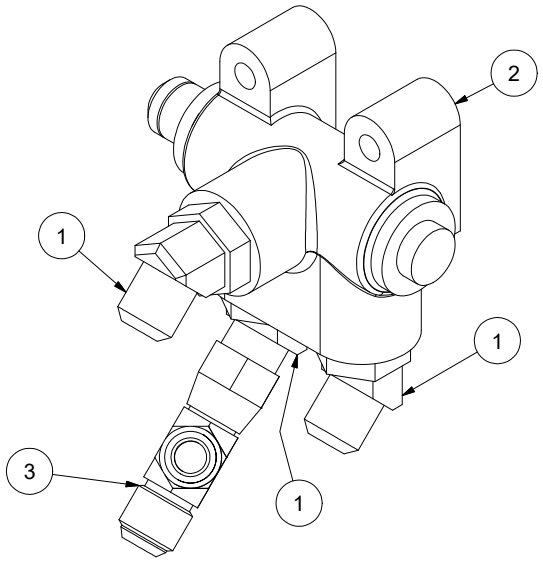
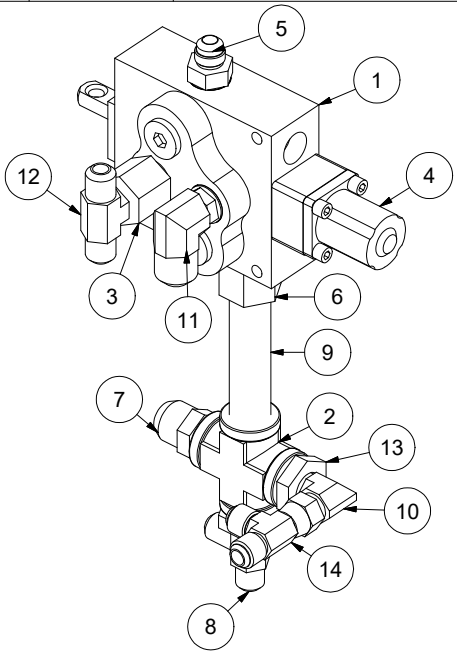
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	8	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z
2	2	502004	FLAT WASHER 3/8 Z
3	160	501024	HEX FLANGE NUT GR2 1/2-13 Z
4	84	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z
5	5	501031	HEX NYLON LOCKNUT GR5 5/16-18 Z
6	3	500084	HEX BOLT GR5 3/8-16 X 1
7	1	500502	CARRIAGE BOLT GR5 1/2-13 X 1 1/2 Z
8	5	501004	HEX NUT 1/2-13 Z
9	1	210952	AUTOMATIC SYSTEM FRONT PLATE
10	1	210953	TRIGGER FOR AUTOMATIC SYSTEM
11	1	210954	PUSHER MANUEL TRIGGER
12	1	500578	SHOULDER BOLT
13	3	500086	HEX BOLT GR5 3/8-16 X 1 1/4
14	23	501022	HEX FLANGE NUT GR2 3/8-16 Z
15	11	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z
16	3	500057	HEX BOLT GR5 5/16-18 X 2 3/4
17	2	500052	HEX BOLT GR5 5/16-18 X 2
18	1	210662-1	STOPPER
19	1	210663-1	TRANSFERT PLATE
20	1	465890-1	HYDRAULIC VALVE
21	1	210784	ADJUSTMENT ROD FOR AUTOMATIC SYSTEM
22	1	500570	HEX SOCKET HEAD CAP SCREW 1/2 X 1/2
23	1	OTHERS PAGES	HYDRAULIC VALVE
24	1	210149-1	TRANSFERT BAR
25	5	500180	HEX BOLT GR5 1/2-13 X 2
26	1	210148	WASHER
27	1	210781	POINT PLATE SUPPORT
28	2	210656-1	RACK AND PINION SUPPORT PLATE
29	1	244058-1	POINT PLATE
30	2	210814	POINT PLATE SUPPORT
31	2	310014	SPRING
32	6	500443	CARRIAGE BOLT GR5 3/8-16 X 1 1/4 Z
33	1	320025-2	QR HITCH PIN 3/8 X 1.30
34	1	210271-1	RACK AND PINION SUPPORT
35	2	304001	SPRING
36	2	210273	STOPPER SYSTEM
37	1	210272-1	RACK IN PINION
38	1	210955	SPRING ATTACHMENT
39	1	320031-1	LOCK PIN 3/8 X 1 3/8

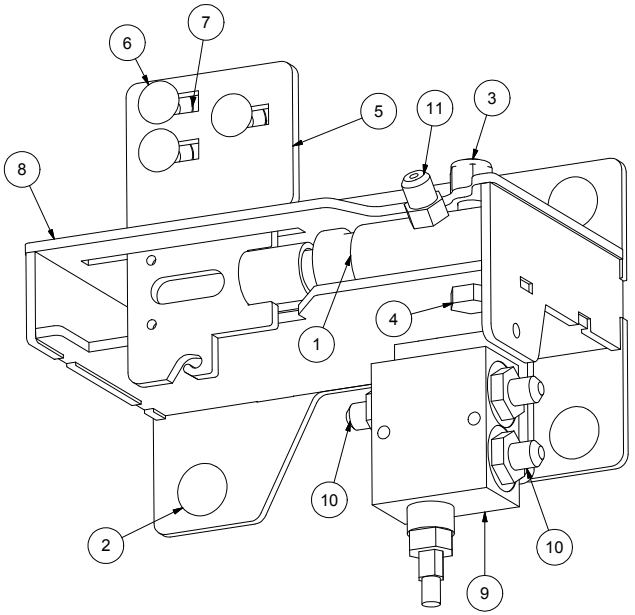
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	3	451229	8 M.JIC - 8 M.ORB 45°
2	1	465890-1	HYDRAULIC VALVE
3	1	450973	T 8 F.JIC - 8 M.JIC



PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	465002	VALVE
2	1	450298	CROSS
3	1	451120	8 M.ORB - 8 F.NPT
4	1	465003	DETENT KIT
5	1	451179	8 M JIC - 10 M ORB
6	1	451124	10 M.ORB - 12 F.NPT
7	1	450558	12 M.JIC - 12 M.NPT
8	1	450877	8 M.JIC - 8 M.NPT
9	1	451979-1	NIPPLE
10	1	450716	M JIC 8 - M NPT 8 90 DEG
11	1	451274	12 M.JIC - 8 M.ORB 90°
12	1	450829	8 M.JIC - 8 M.NPT
13	2	450029	12 M.NPT - 8 F.NPT
14	1	450973	T 8 F.JIC - 8 M.JIC

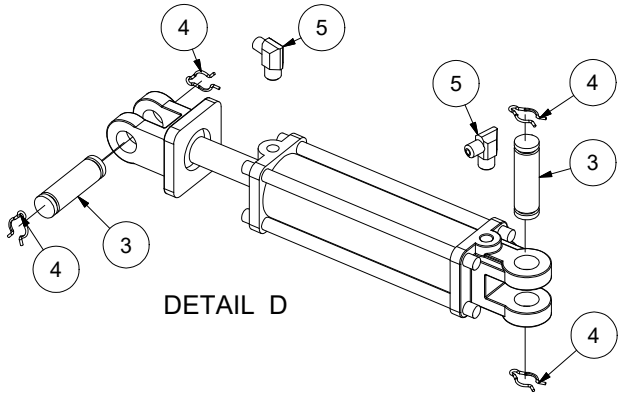


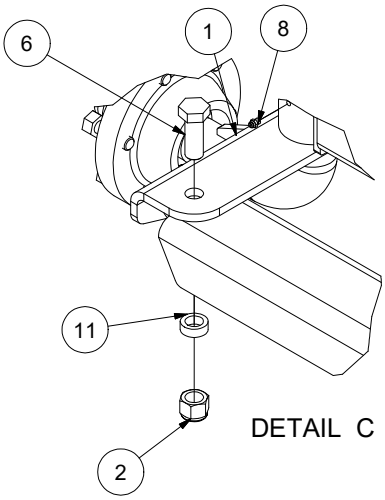
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	467320-1	CYLINDER
2	4	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z
3	1	501034	NYLON NUT
4	1	500182	BOLT
5	1	210979	ACTIVATION PLATE
6	3	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z
7	3	501022	HEX FLANGE NUT GR2 3/8-16 Z
8	1	210980-1	ACTIVATION CYLINDER SUPPORT
9	1	466000	RELIEF VALVE
10	3	451172	HYDRAULIC FITTING
11	1	451169	6 M.JIC - 4 M.ORB

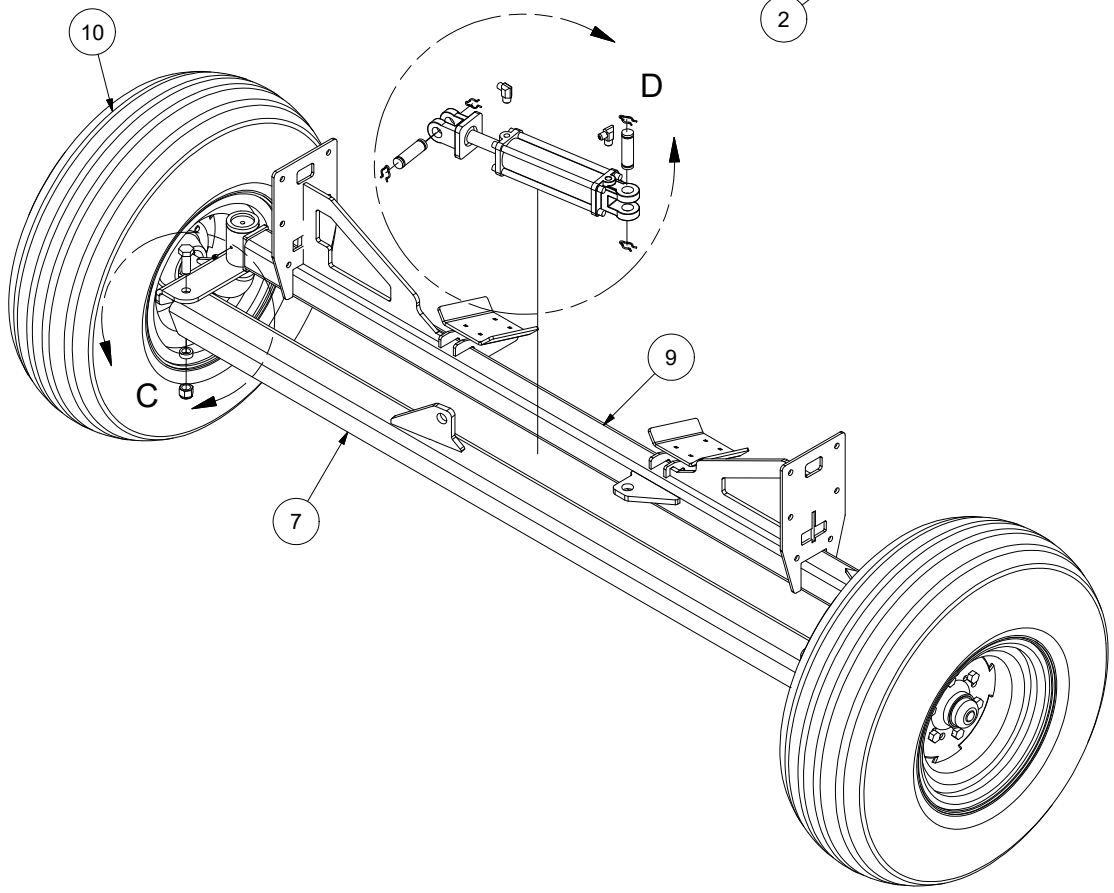


9 - STEERING AXLE

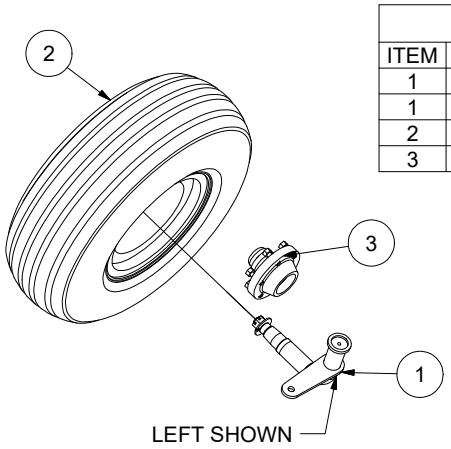
PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	2	481453	HUB	
2	2	501036	HEX NYLON LOCKNUT GR5 3/4-10 Z	
3	2	467502	CYLINDER AXLE	
4	4	467501	HAIR PIN COTTER 1 PO	
5	2	450711	HYDRAULIC FITTING	
6	2	500285	HEX BOLT GR5 3/4-10 X 2	
7	1	210956-1	DIRECTION ANGLE ARM	65-12000-->
8	2	322299	GREASE FITTING	
9	1	210957	STEERING AXLE BEAM	
10	2	481506	TIRE AND RIM	
11	2	492038	SPACER1	



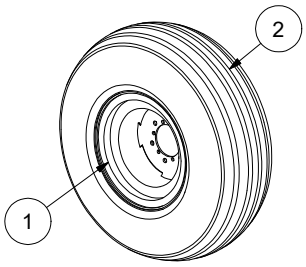




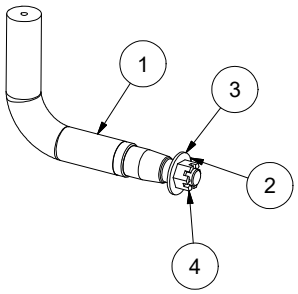
10 - REAR AXLE



PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	210151-1	LEFT AXLE WITH PLATE	(65-12000-->)
1	1	210151-0	RIGHT AXLE WITH PLATE	(65-12000-->)
2	1	481506	TIRE AND RIM	
3	1	481453	COMPLETE HUB	

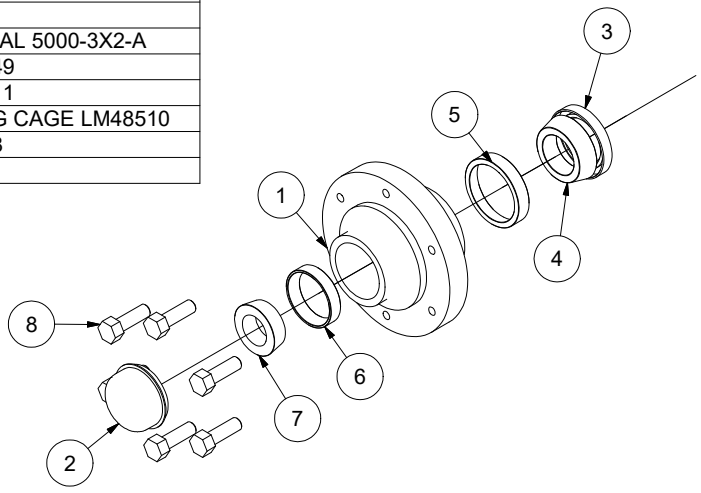


PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	481707	RIM
2	1	481512	TIRE



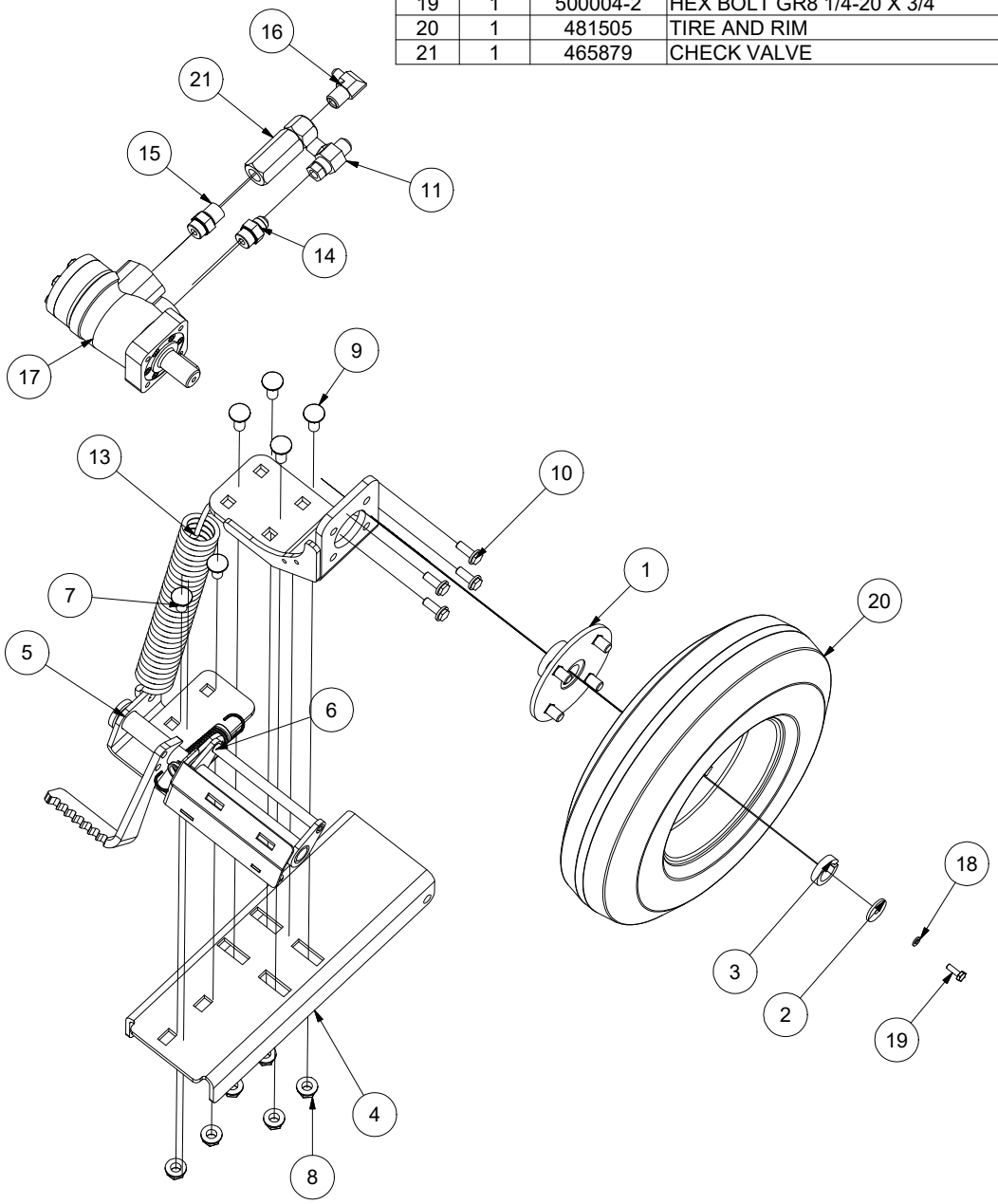
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	481107	AXLE
2	1	320042	COTTER PIN 5/32 X 2 1/2
3	1	502011	FLAT WASHER 1 Z
4	1	501075	HEX CASTLE NUT 1-14

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	481450	HUB
2	1	481002	HUB CAP
3	1	303500	RADIAL SHAFT SEAL 5000-3X2-A
4	1	303501	BEARING LM603049
5	1	303099	BEARING LM603011
6	1	303037	ROLLING BEARING CAGE LM48510
7	1	303034	BEARING LM48548
8	6	507016	WHEEL BOLT



11 - HOOP WHEEL DRIVE

LISTE DE PIÈCES			
ITEM	QTY	PART	DESCRIPTION
1	1	210628	HUB
2	1	210629	WASHER
3	1	210630	WASHER
4	1	210631-1	BRAKE SUPPORT
5	1	210634-1	DRIVE WHEEL BRAKE
6	1	304001	SPRING
7	6	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z
8	6	501024	HEX FLANGE NUT GR2 1/2-13 Z
9	4	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z
10	4	500602	HEX FLANGE BOLT GR5 3/8-16 X 1 Z
11	1	450973	HYDRAULIC FITTING
12	1	210719-1	MOTOR SUPPORT
13	1	304013	SPRING
14	1	451179	8 M JIC - 10 M ORB
15	1	451097	10 M.ORB - 8 M.NPT
16	1	450712	HYDRAULIC FITTING
17	1	469158	HYDRAULIC MOTOR
18	1	502064	LOCK WASHER 1/4
19	1	500004-2	HEX BOLT GR8 1/4-20 X 3/4
20	1	481505	TIRE AND RIM
21	1	465879	CHECK VALVE



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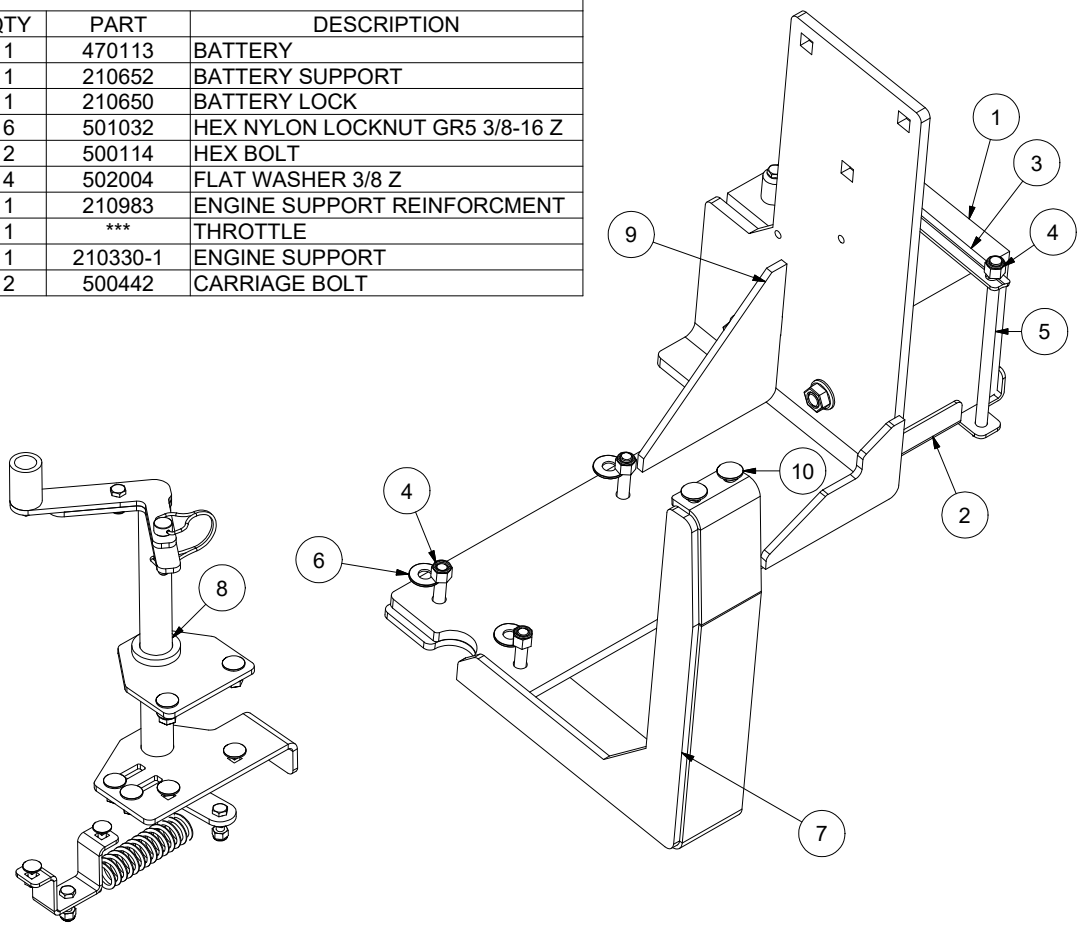
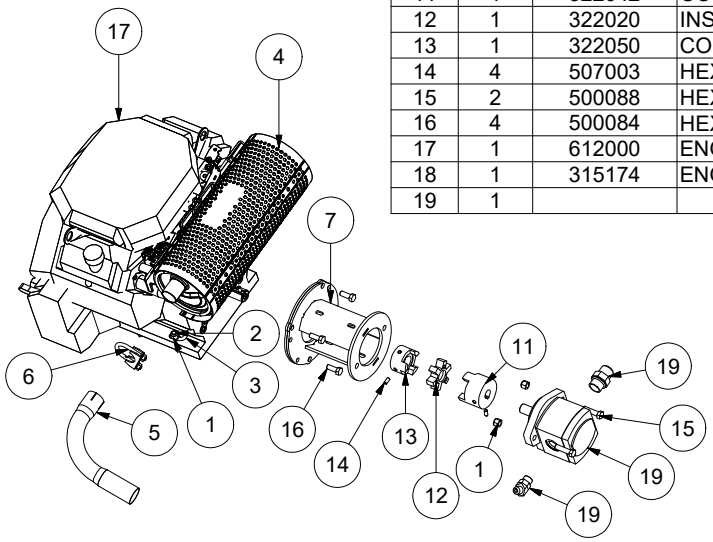
12 - POWER UNIT

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	470113	BATTERY
2	1	210652	BATTERY SUPPORT
3	1	210650	BATTERY LOCK
4	6	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z
5	2	500114	HEX BOLT
6	4	502004	FLAT WASHER 3/8 Z
7	1	210983	ENGINE SUPPORT REINFORCMENT
8	1	***	THROTTLE
9	1	210330-1	ENGINE SUPPORT
10	2	500442	CARRIAGE BOLT



PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	6	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z
2	4	500092	HEX BOLT GR5 3/8-16 X 2
3	4	502004	FLAT WASHER 3/8 Z
4	1	700256	MUFFLER
5	1	308023	EXHAUST
6	1	507102	COLLAR EXHAUST PIPE
7	1	322008	PUMP ADAPTER
11	1	322042	COUPLING
12	1	322020	INSERT
13	1	322050	COUPLING
14	4	507003	HEX SOCKET SET SCREW CUP 1/4-20 X 1/2
15	2	500088	HEX BOLT GR5 3/8-16 X 1 1/2
16	4	500084	HEX BOLT GR5 3/8-16 X 1
17	1	612000	ENGINE
18	1	315174	ENGINE CABLE
19	1		



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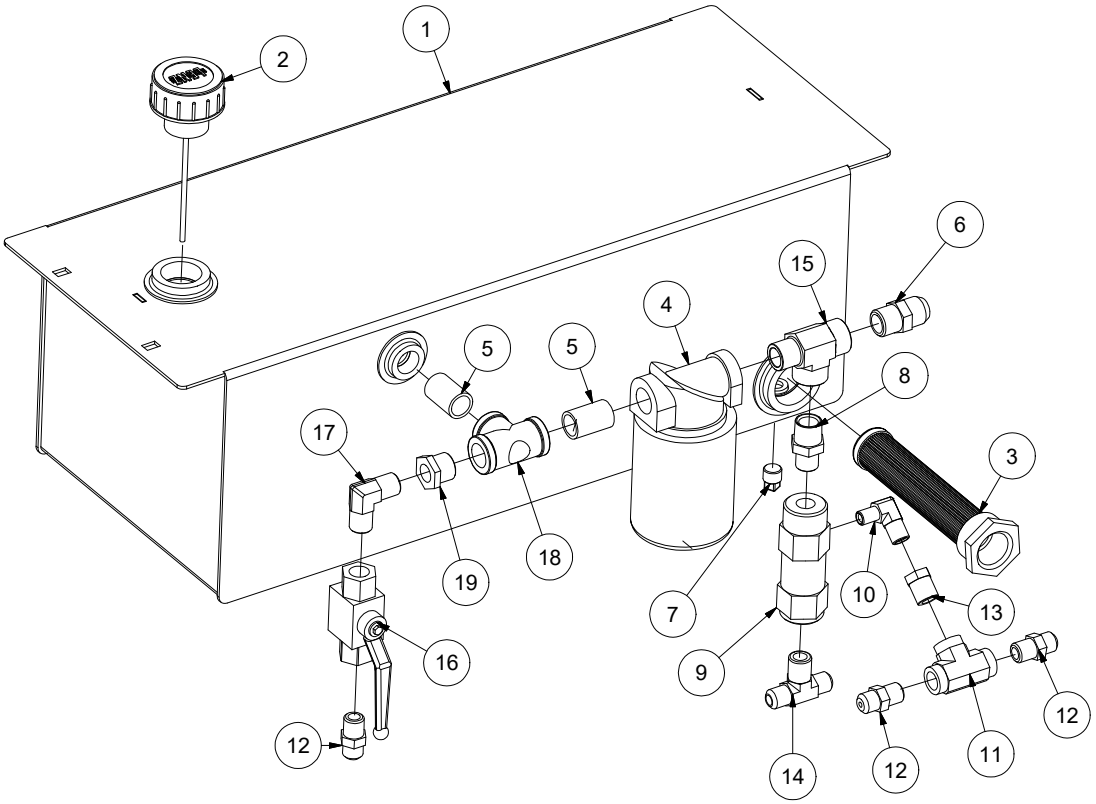
12 - TANK

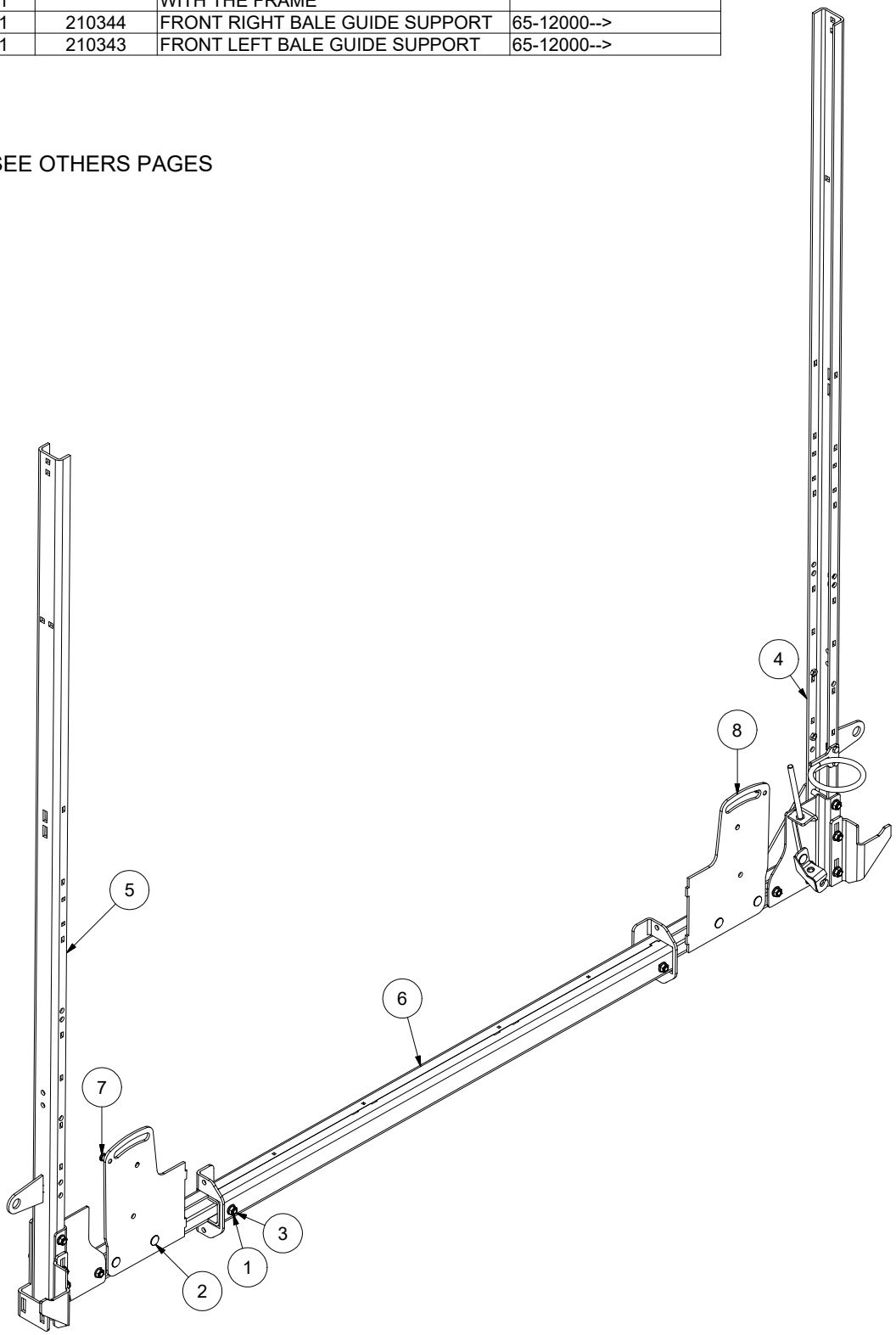
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210648-2	OIL TANK
2	1	470109	PLUG
3	1	470990	STRAINER
4	1	470013	FILTER
5	2	451985	HYDRAULIC FITTING
6	1	450558	12 M.JIC - 12 M.NPT
7	1	450072	PLUG 3/8
8	1	450010	12 M.NPT - 8 M.NPT
9	1	465917	PILOT OPERATED CHECK VALVE
10	1	450193	6 M.NPT - 4 M.NPT 90°
11	1	450243	8 F.NPT
12	3	450548	8 M JIC - 8 M NPT
13	1	450025	8 M.NPT - 6 F.NPT
14	1	450829	HYDRAULIC FITTING
15	1	450273	12 F.NPT - 12 M.NP
16	1	466999	BALL VALVE
17	1	450196	HYDRAULIC FITTING
18	1	451992	HYDRAULIC FITTING
19	1	451998	HYDRAULIC FITTING



13 - HOOP SUPPORT

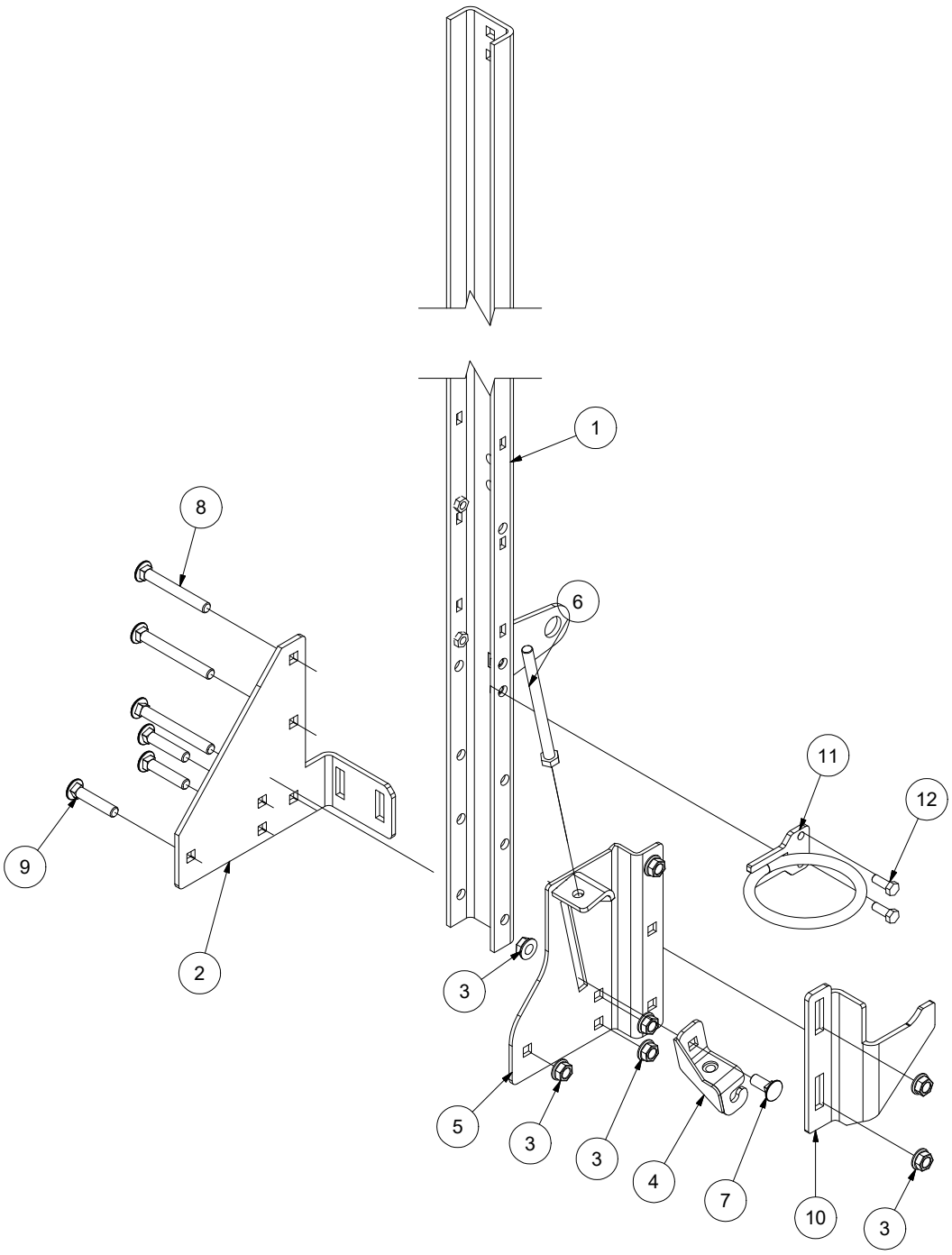
PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	6	501024	HEX FLANGE NUT GR2 1/2-13 Z	
2	4	500506	CARRIAGE BOLT GR5 1/2-13 X 2 1/2 Z	
3	2	500510	CARRIAGE BOLT GR5 1/2-13 X 4 Z	
4	1	***	RIGHT HOOP SUPPORT	
5	1	***	LEFT HOOP SUPPORT	
6	1	***	WITH THE FRAME	
7	1	210344	FRONT RIGHT BALE GUIDE SUPPORT	65-12000-->
8	1	210343	FRONT LEFT BALE GUIDE SUPPORT	65-12000-->

*** SEE OTHERS PAGES



13 - RIGHT HOOP SUPPORT

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210959	RIGHT HOOP SUPPORT
2	1	210153	RIGHT FRONT ATTACHMENT
3	7	501024	HEX FLANGE NUT GR2 1/2-13 Z
4	1	210289	WHEEL SPRING ADJUSTEMENT
5	1	210757	ADJUSTEMENT SUPPORT
6	1	503013	ADJUSTEMENT ROD
7	1	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z
8	1	500510	CARRIAGE BOLT GR5 1/2-13 X 4 Z
9	3	500506	CARRIAGE BOLT GR5 1/2-13 X 2 1/2 Z
10	1	210290	RIGHT SUPPORT PUSHER CYLINDER
11	1	210892	HOSE ATTACHMENT
12	2	500084	HEX BOLT GR5 3/8-16 X 1



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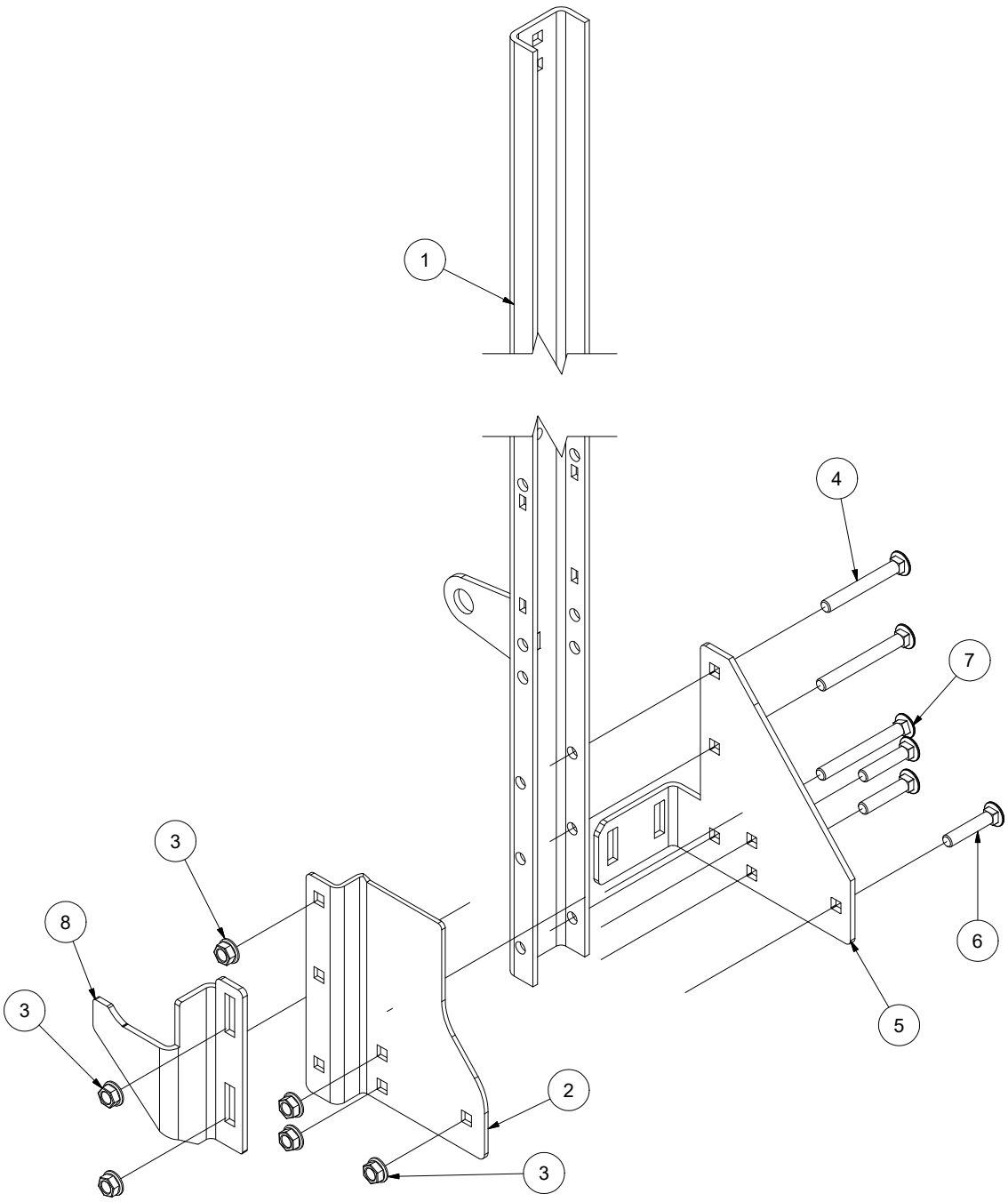
13 - LEFT HOOP SUPPORT

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210958	LEFT HOOP SUPPORT
2	1	210608-1	LEFT REAR ATTACHEMENT PLATE
3	6	501024	HEX FLANGE NUT GR2 1/2-13 Z
4	1	500510	CARRIAGE BOLT GR5 1/2-13 X 4 Z
5	1	210156	LEFT FRONT ATTACHMENT PLATE
6	3	500506	CARRIAGE BOLT GR5 1/2-13 X 2 1/2 Z
7	2	500511	CARRIAGE BOLT GR5 1/2-13 X 4 1/2 Z
8	1	210308	PUSHER LEFT CYLINDER SUPPORT



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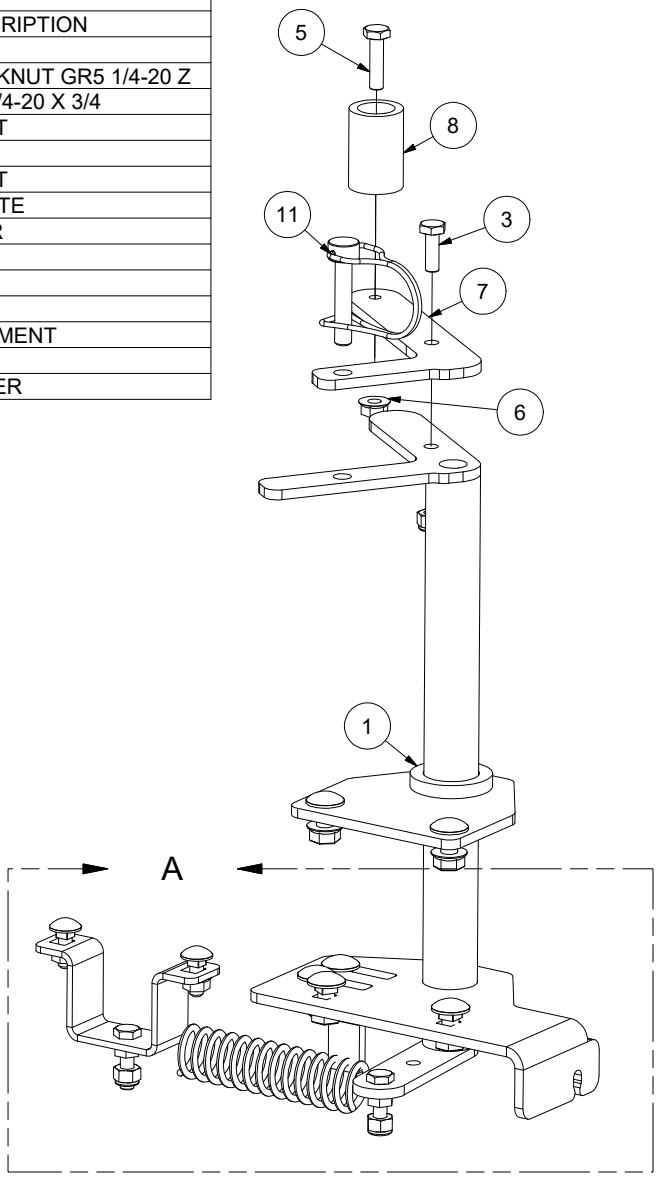
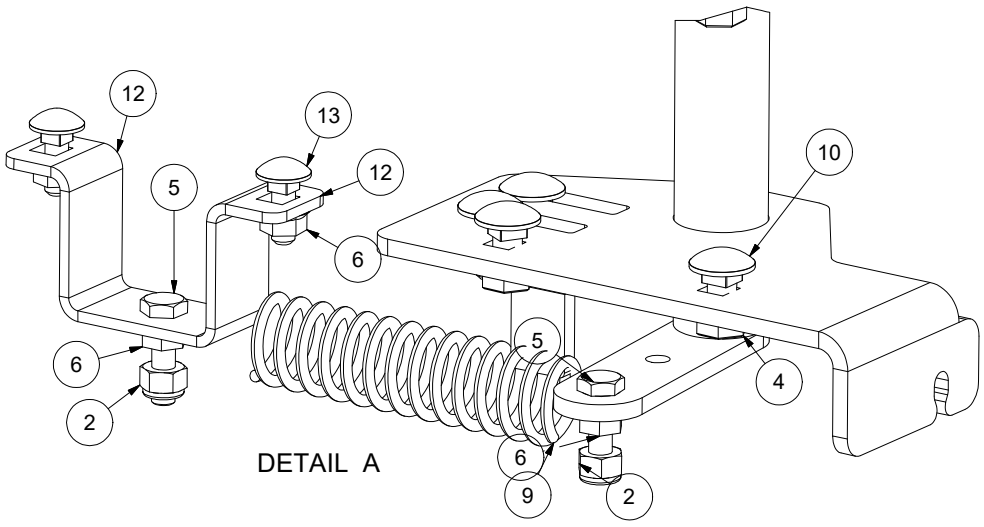
14 - THROTTLE CONTROL

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210332-5	THROTTLE
2	3	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z
3	1	500004	HEX BOLT GR5 1/4-20 X 3/4
4	6	501021	HEX FLANGE NUT
5	3	500006	HEX BOLT
6	5	501020	HEX FLANGE NUT
7	1	210624-3	ACTIVATION PLATE
8	1	306031	PLASTIC ROLLER
9	1	310015	SPRING
10	6	500401	CARRIAGE BOLT
11	1	320031	LOCK PIN
12	1	210987	SPRING ATTACHMENT
13	2	500360	CARRIAGE BOLT
31	1	210089	COURSE STOPPER





DETAIL A

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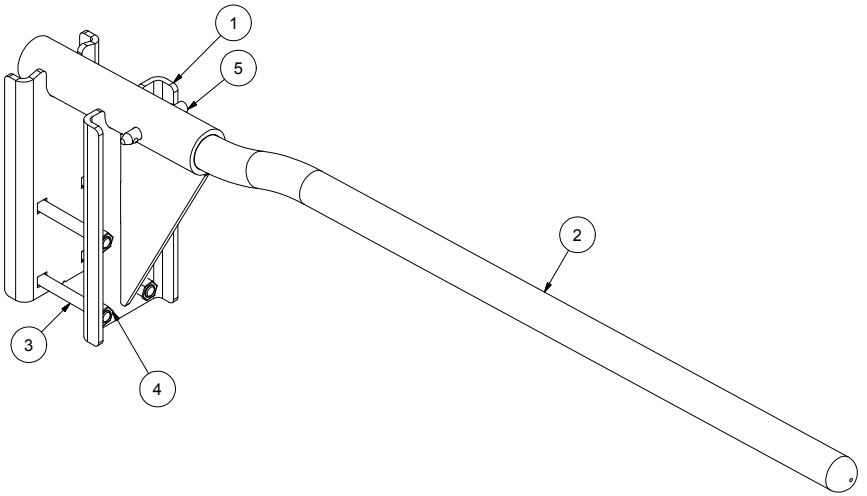
15 - COMPLETE SPEAR

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	***	SPEAR SUPPORT
2	1	210620-2	SPEAR
3	4	500510	CARRIAGE BOLT GR5 1/2-13 X 4 Z
4	4	501024	HEX FLANGE NUT GR2 1/2-13 Z
5	1	320029	QR HITCH PIN 1/2 X 2 1/2



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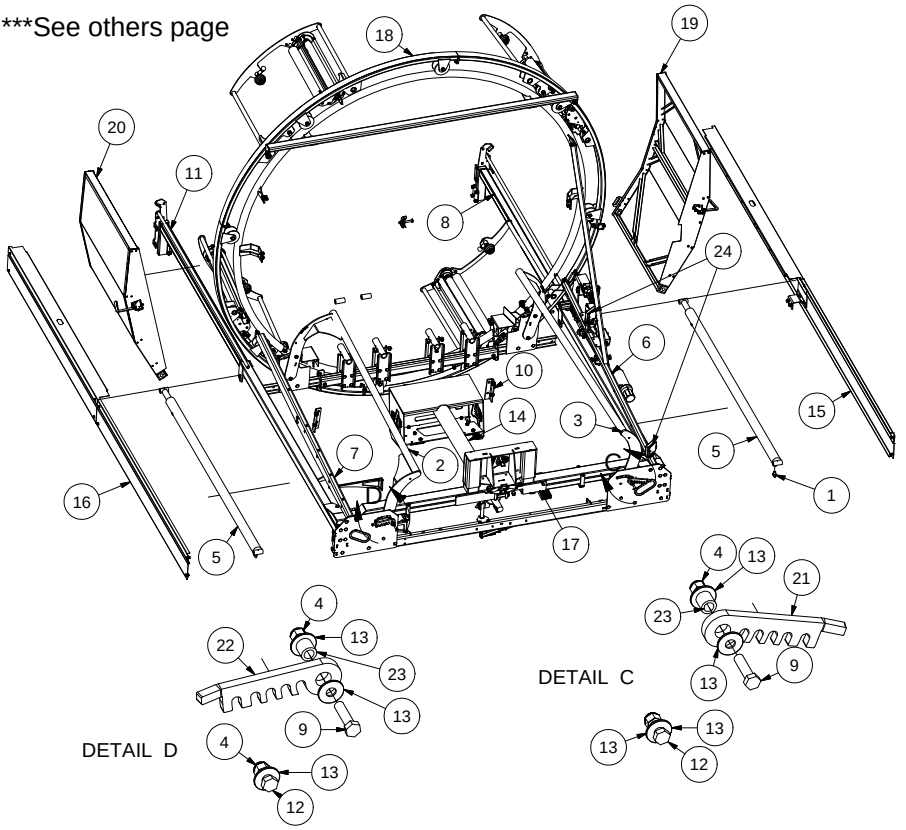
16 - REAR SECTION

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	6	450712	HYDRAULIC FITTING	
2	1	210964	LEFT BALE GUIDE	(<--65-12000)
3	1	210965	RIGHT BALE GUIDE	(<--65-12000)
4	27	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z	
5	2	467290	HYDRAULIC CYLINDER	
6	1	***	RIGHT HOOP SUPPORT REINFORCEMENT	
7	1	***	LEFT HOOP SUPPORT REINFORCEMENT	
8	1	210966	RIGHT PUSHER FRAME	
9	7	500180	HEX BOLT GR5 1/2-13 X 2	
10	2	210988	REAR FRAME REINFORCMENT	
11	1	210967	LEFT PUSHER FRAME	
12	5	500177	HEX BOLT GR5 1/2-13 X 1 1/2	
13	21	502006	FLAT WASHER 1/2 Z	
14	1	***	X-TRACTOR CYLINDER	
15	1	***	COMPLETE RIGHT FENDER	
16	1	***	COMPLETE LEFT FENDER	
17	1	***	PUSHER AND FRAME	
18	1	***	COMPLETE HOOP	
19	1	***	COMPLETE RIGHT GUARD	
20	1	***	COMPLETE LEFT GUARD	
21	2	210989	RIGHT BALE GUIDE SUPPORT	
22	2	210990	LEFT BALE GUIDE SUPPORT	
23	4	308015	GUIDE SPACER TUBING	
24	2	319798	WORK SPOTLIGHT	

***See others page



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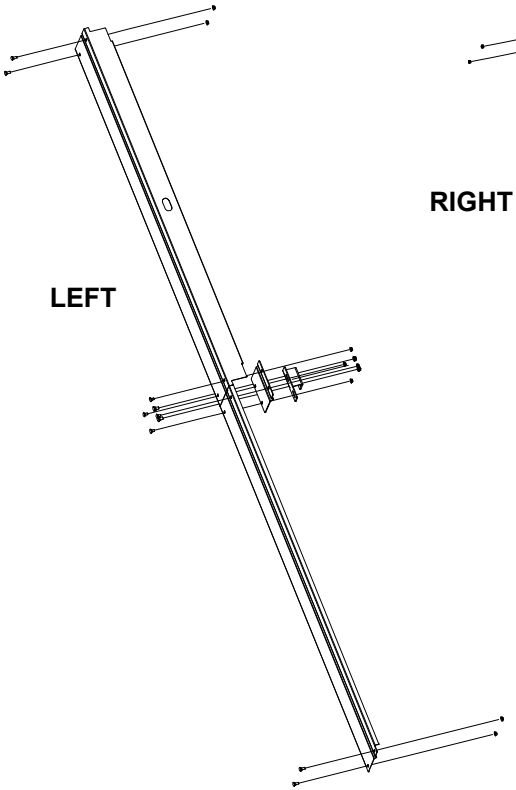
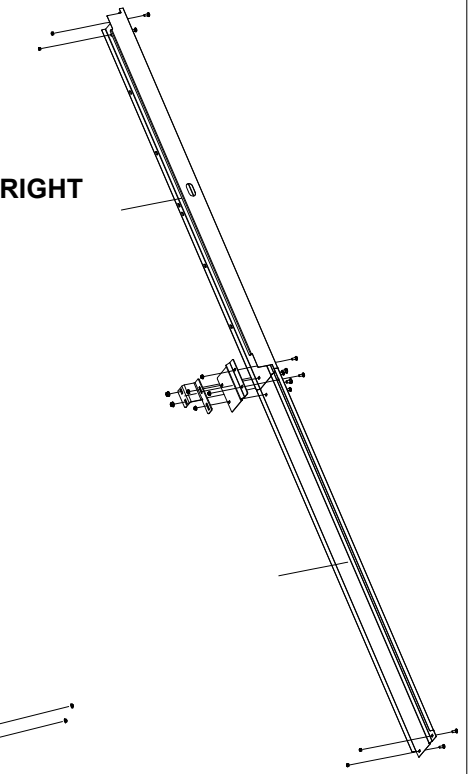
LEFT

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210539	LEFT FENDER JOINT
2	4	500440	CARRIAGE BOLT
3	8	501022	FLANGE NUT
4	2	500500	CARRIAGE BOLT
5	2	501024	FLANGE NUT
6	4	500442	CARRIAGE BOLT
7	1	210541	FRONT LEFT FENDER
8	1	210540	REAR LEFT FENDER
9	1	210538-1	JOINT

RIGHT

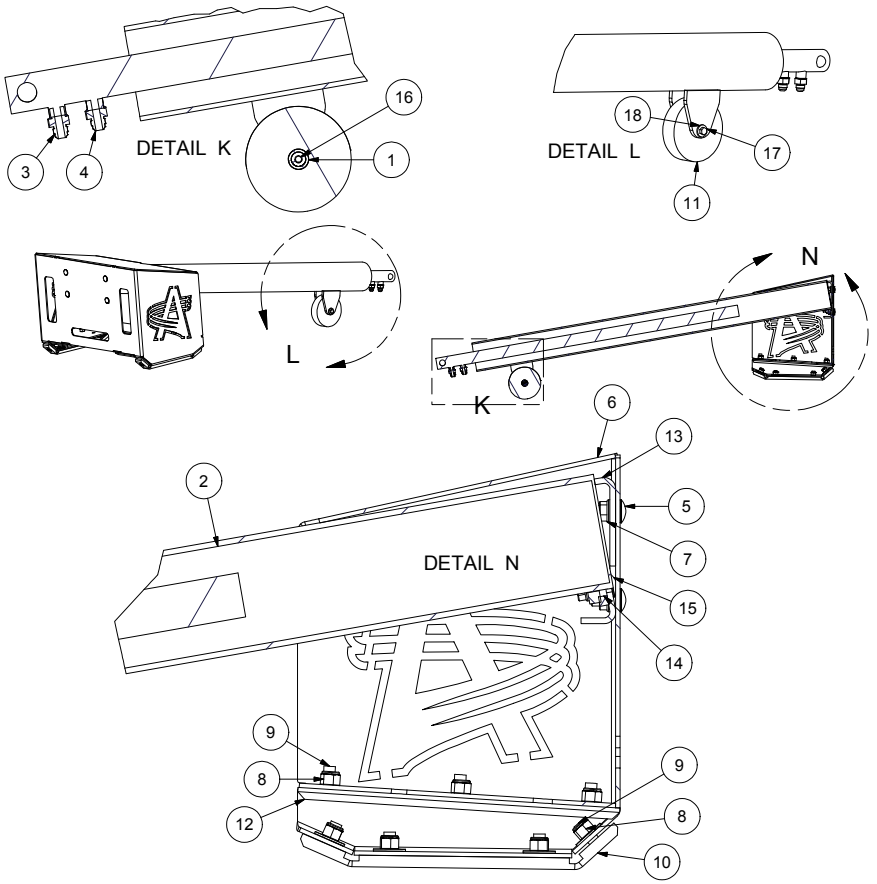
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210544	RIGHT FENDER JOINT
2	8	500442	CARRIAGE BOLT
3	4	501022	FLANGE NUT
4	2	500500	CARRIAGE BOLT
5	2	501024	FLANGE NUT
6	4	501032	NYLON NUT
7	1	210541	FRONT RIGHT FENDER
8	1	210543	REAR RIGHT FENDER
9	1	210538-1	JOINT





18 - PUSHER CYLINDER

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	308013-2	SPACER BUSHING	(65-12000-->)
1	1	308013-1	SPACER BUSHING	(<--65-12000)
2	1	467321	CYLINDER	
3	1	451178	8 M.JIC - 8 M.ORB	
4	1	451179	HYDRAULIC FITTING	
5	4	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z	
6	1	210969	PUSHER PLATE	
7	6	501024	HEX FLANGE NUT GR2 1/2-13 Z	
8	16	501034	NYLON NUT	
9	14	507054	HEX FLAT HEAD CAP SCREW GR5 1/2-13 X 1 1/2	
10	2	308020	TEFLON	
11	1	308025	CYLINDER WHEEL	(65-12000-->)
11	1	308022	CYLINDER WHEEL	(<--65-12000)
12	2	308021	TEFLON 2	
13	1	210970	PUSHER SUPPORT PLATE	
14	1	210968	SPACER BUSHING	
15	2	500502	CARRIAGE BOLT GR5 1/2-13 X 1 1/2 Z	
16	1	308024	AXLE	(65-12000-->)
16	1	308012-1	AXLE	(<--65-12000)
17	2	500086	BOLT	(65-12000-->)
17	1	507053-1	FLAT SOCKET CAP CREW	(<--65-12000)
18	2	210997	WHASHER	(65-12000-->)



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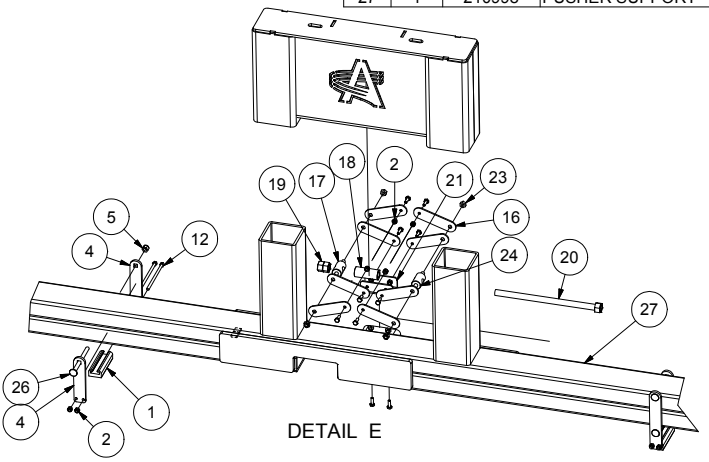
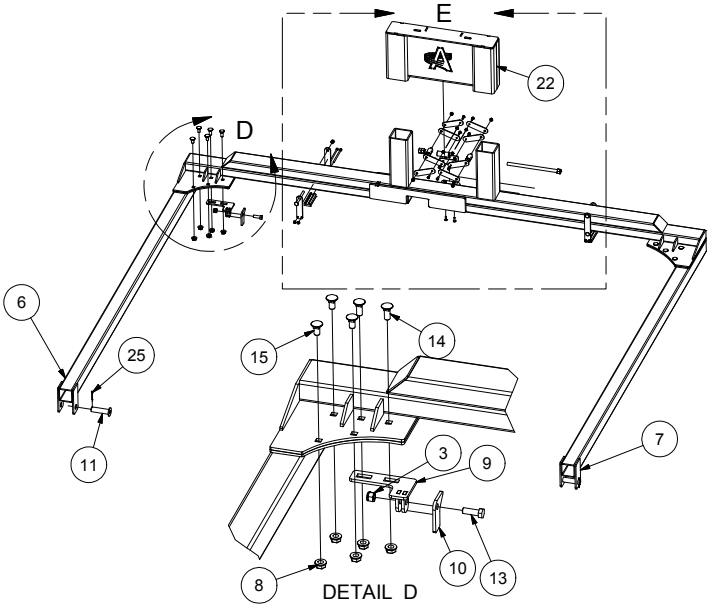
18 - COMPLETE PUSHER

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	2	210671	TEFLON
2	12	501030	NYLON NUT
3	1	501034	NYLON NUT
4	2	210971	TEFLON SUPPORT
5	3	501032	NYLON NUT
6	2	210972	RIGHT CYLINDER SUPPORT
7	4	210973	LEFT CYLINDER SUPPORT
8	9	501024	HEX FLANGE NUT
9	1	210181-1	WEDGE SUPPORT
10	1	210565	WEDGE
11	2	210183	CYLINDER LOCK PIN
12	4	500026	BOLT
13	1	500177	BOLT

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
14	2	500501	CARRIAGE BOLT
15	7	500500	CARRIAGE BOLT
16	8	210790	LIFTING PLATE
17	1	306022	LEVER PIVOT
18	1	206404	STOPPER
19	3	501005	HEX NUT 5/8-11 Z
20	1	210792	ADJUSTMENT ROD
21	1	210791	JACK SUPPORT
22	4	210301	PUSHER
23	4	501042	NUT
24	1	306020	LEVER PIVOT
25	2	320043	COTTER PIN 5/32 X 1 1/2
26	3	500456	CARRIAGE BOLT
27	1	210998	PUSHER SUPPORT



DETAIL E



DETAIL D

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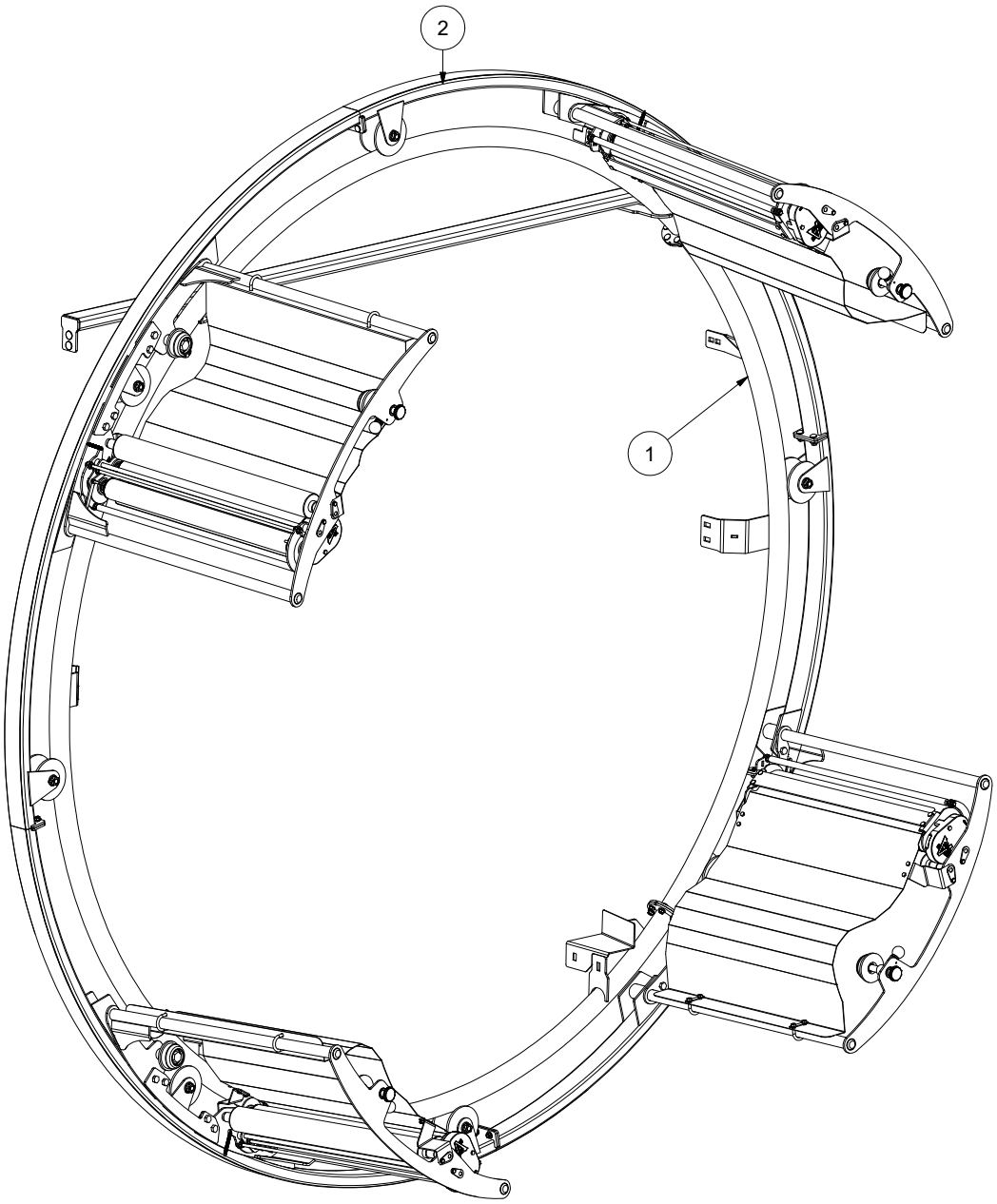
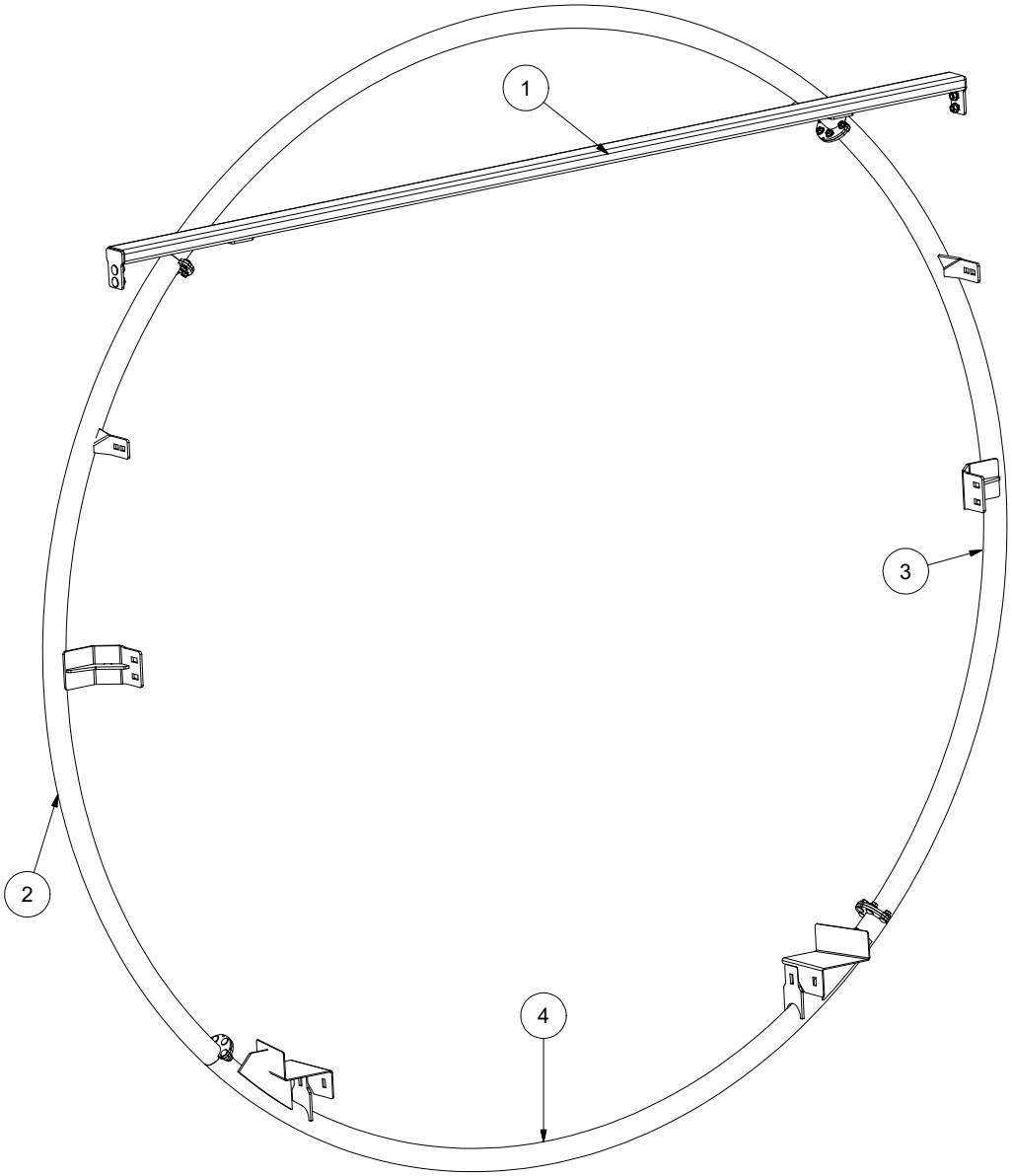
19- HOOP

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	***	INTERIOR HOOP
2	1	***	EXTERNAL HOOP



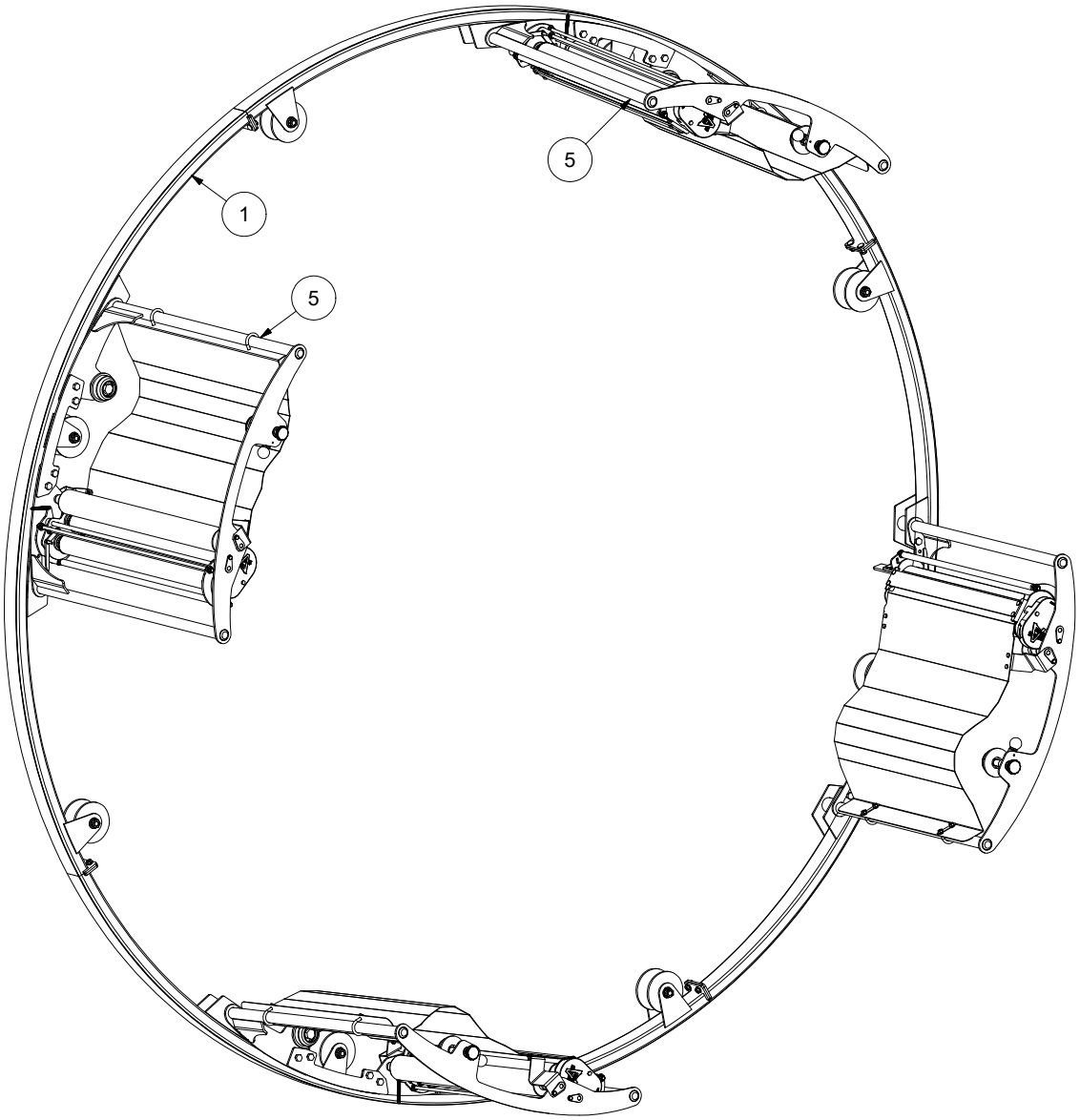
19- HOOP

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210576-2	HIGH SECTION INTERIOR HOOP
2	1	210576-3	LEFT SECTION INTERIOR HOOP
3	1	210576-4	RIGHT SECTION INTERIOR HOOP
4	1	210576-5	LOW SECTION INTERIOR HOOP



19- HOOP

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	4	210580-3	HOOP SECTION
2	8	500254	HEX BOLT GR5 5/8-11 X 4
3	8	501025	FLANGE NUT
4	8	***	HOOP CASTER
5	4	***	STRETCHER FRAME



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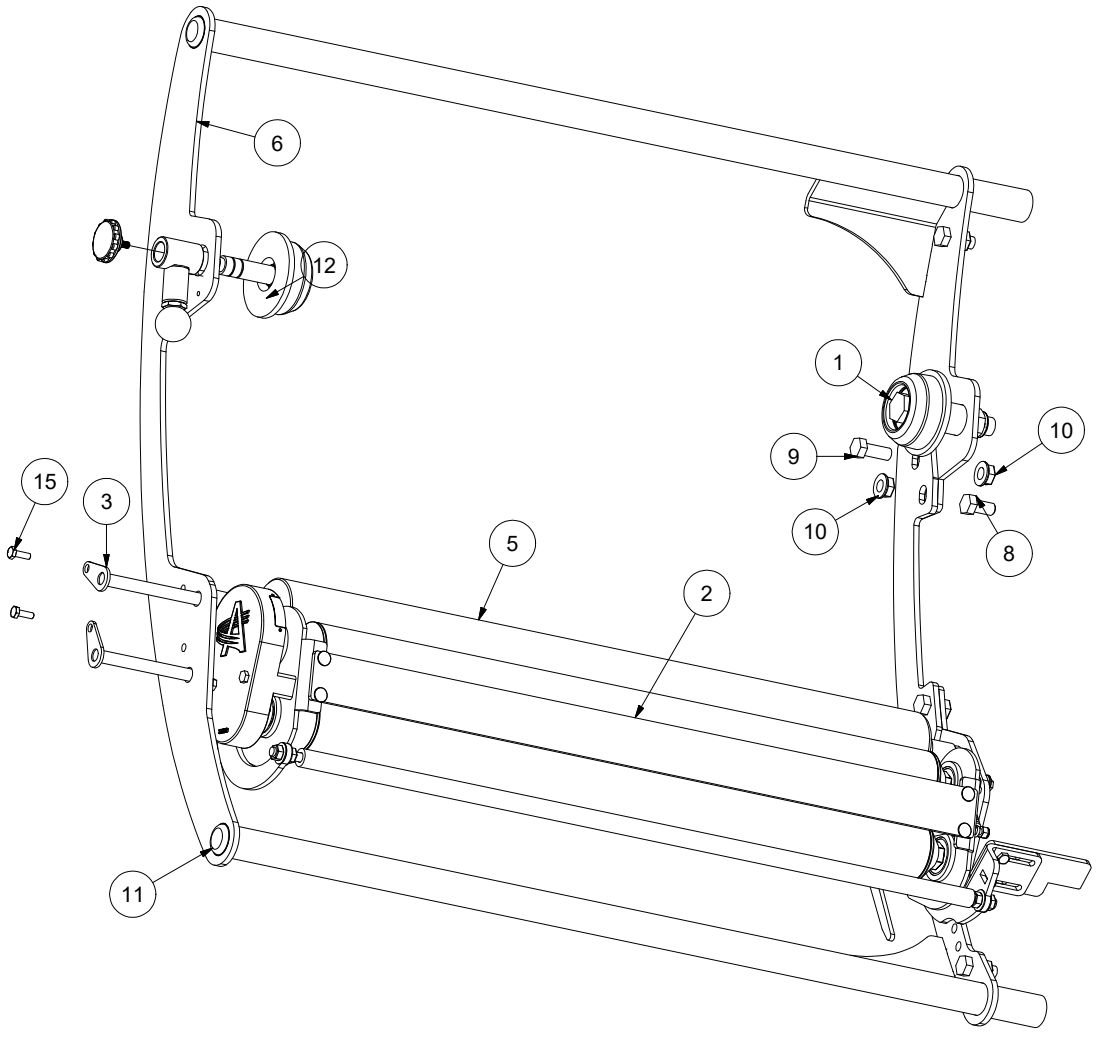
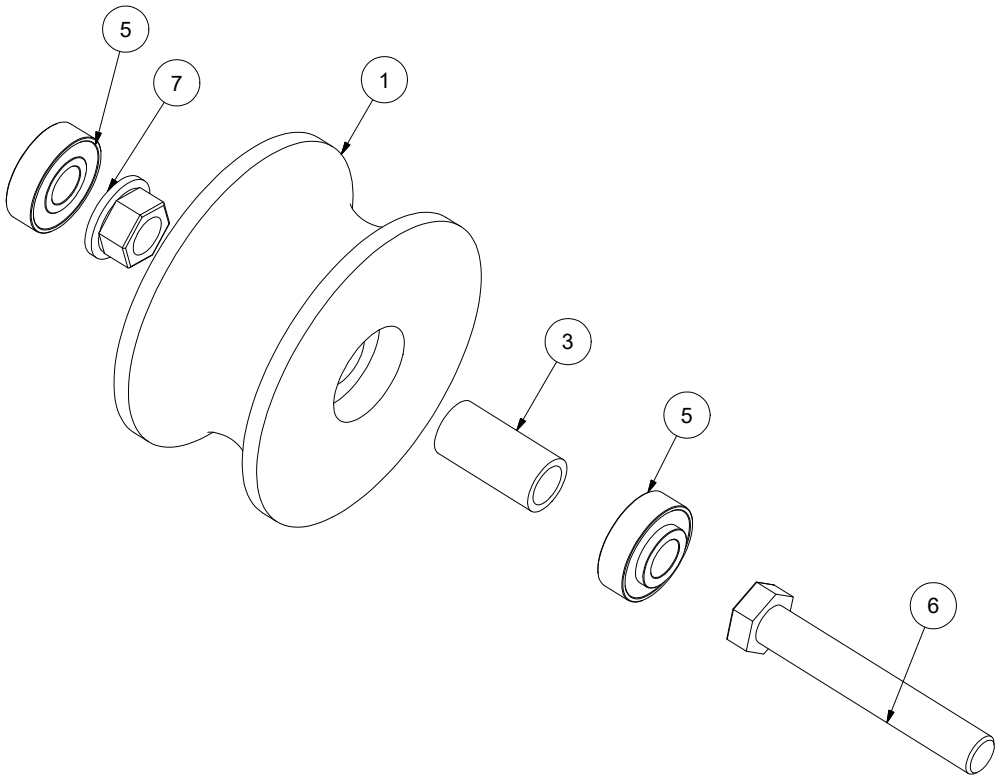
19- HOOP

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210583	PLASTIC ROLLER FIXED HOLDER
2	1	279004	COMPLET STRETCHER
3	2	210585	RETAINING ROD
5	1	279005	BLACK ROLLER ON STRETCHER
6	1	210206	STRETCHER FRAME
7	4	501020	HEX FLANGE NUT GR2 1/4-20 Z
8	2	500173	HEX BOLT GR5 1/2-13 X 1
9	4	500175	HEX BOLT GR5 1/2-13 X 1 1/4
10	6	501024	HEX FLANGE NUT GR2 1/2-13 Z
11	2	481013	PLASTIC PLUG
12	1	NEXT PAGE	PLASTIC ROLLER ADJUSTABLE HOLDER
15	3	500004	HEX BOLT GR5 1/4-20 X 3/4



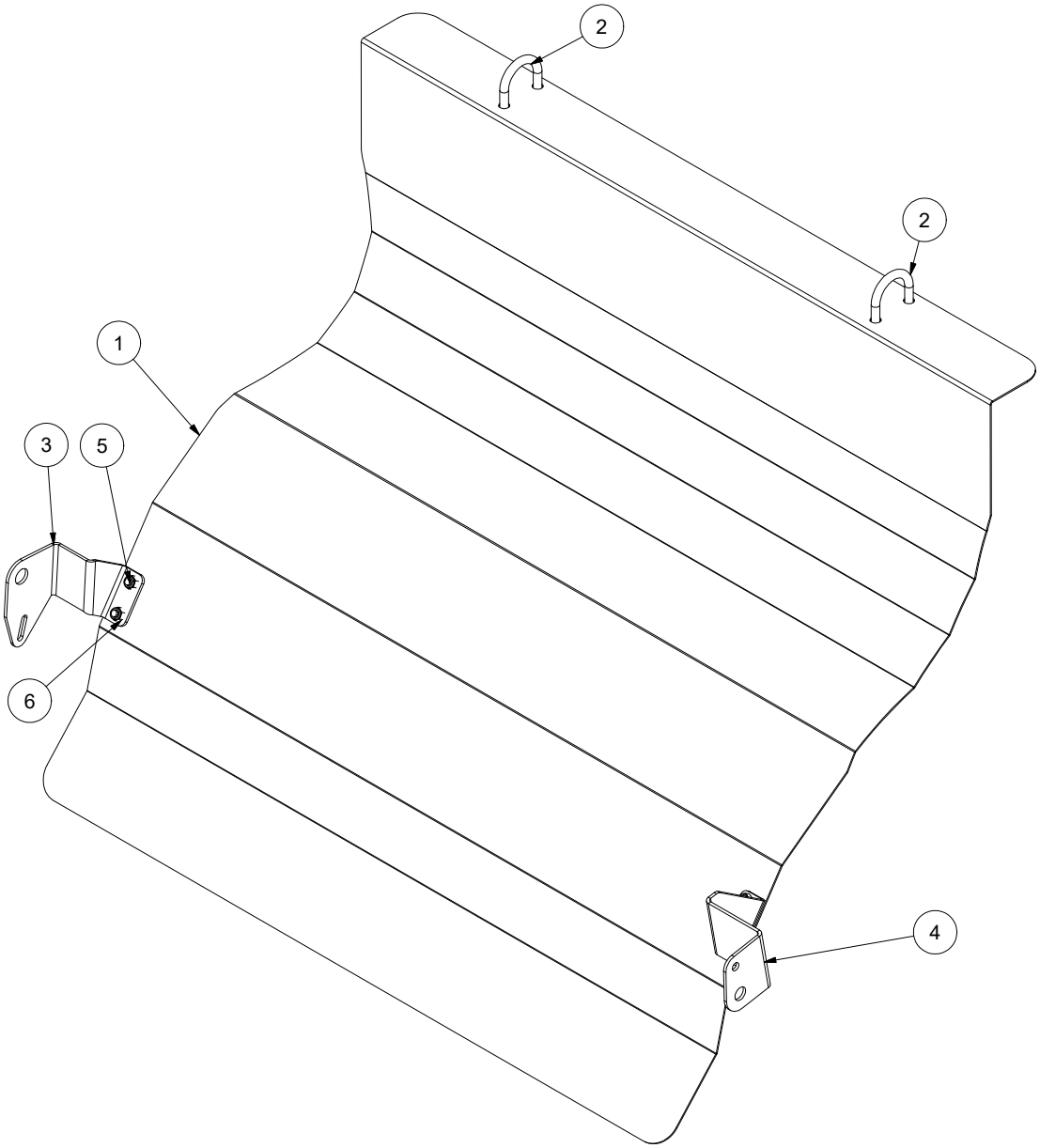
19- HOOP

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	306014-1	HOOP CASTER
3	1	306019-1	SPACER
5	2	303021-2	BEARING
6	1	500254	HEX BOLT GR5 5/8-11 X 4
7	1	501025	FLANGE NUT



19 - CERCEAU

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	72-CER-007-A	SHIELD
2	2	507159	"U" BOLT 5/16 X 1
3	1	72-CER-009-A	RIGHT SUPPORT
4	1	72-CER-010-A	LEFT SUPPORT
5	4	500001	HEX BOLT GR5 1/4-20 X 1/2
6	4	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z
7	1	081-CER-AN	CORN STALK SHIELD (KIT)



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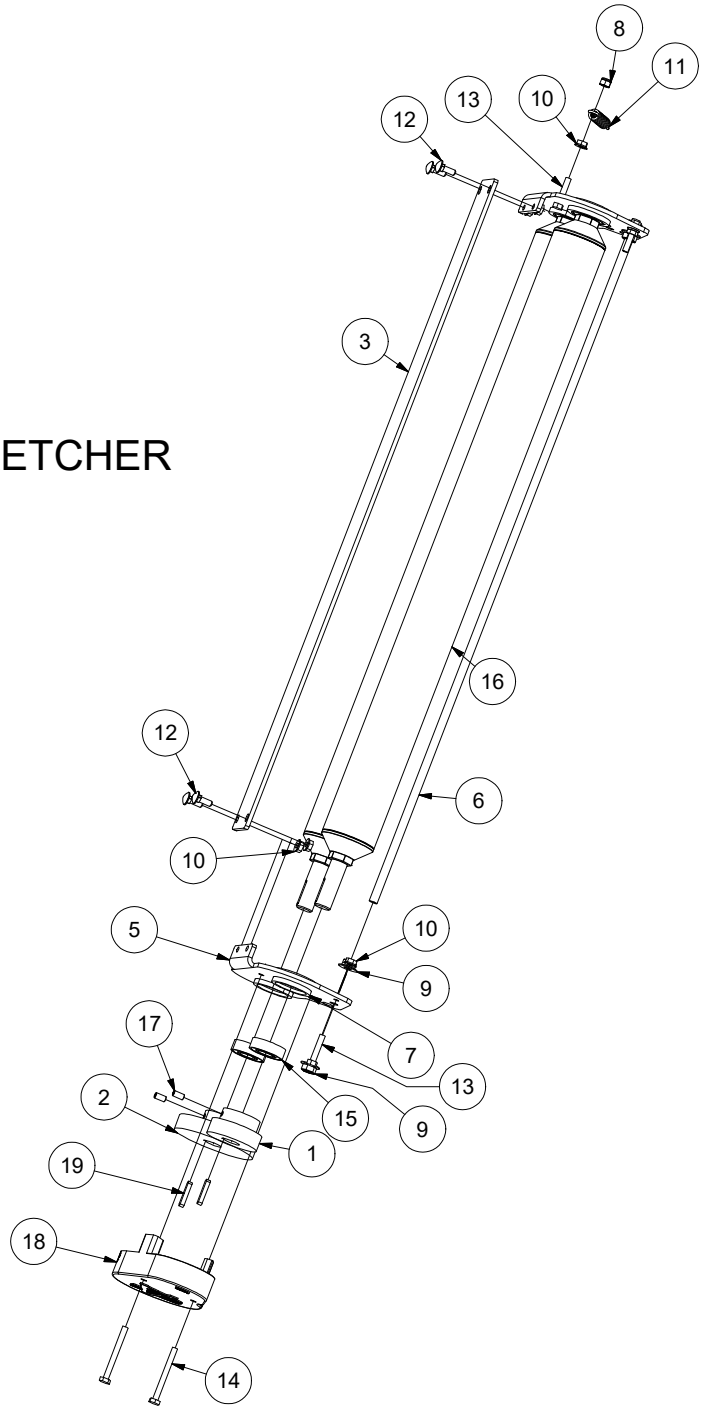
STRETCHER



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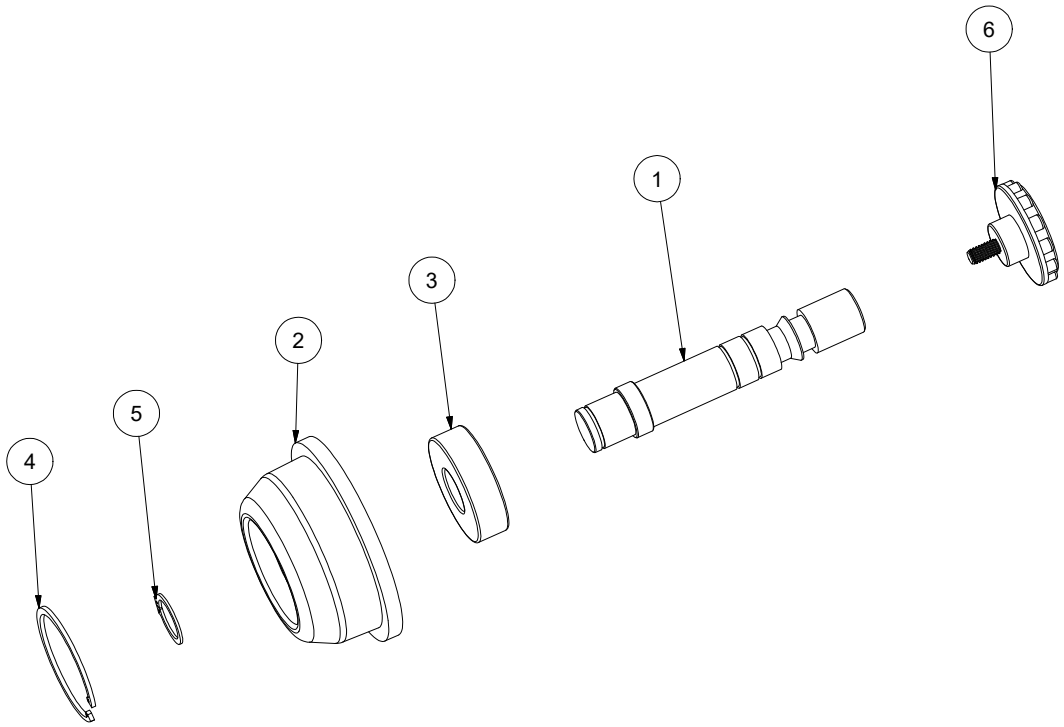
STRETCHER

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	279102	SMALL GEAR
2	1	279100	LARGE GEAR
3	1	210586	RETAINING PLATE
4	1	210587	STRETCHER REAR PLATE
5	1	210588	STRETCHER FRONT PLATE
6	1	306017	RETAINING ROD
7	4	224067	BEARING CUP
8	1	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z
9	4	501022	HEX FLANGE NUT GR2 3/8-16 Z
10	9	501020	HEX FLANGE NUT GR2 1/4-20 Z
11	1	304005	SPRING
12	4	500360	CARRIAGE BOLT GR5 1/4-20 X 3/4 Z
13	3	500008	HEX BOLT GR5 1/4-20 X 1 1/4
14	2	500017	HEX BOLT GR5 1/4-20 X 2 1/2
15	4	303018	BEARING 6203
16	2	224069	ROLL
17	2	507003	HEX SOCKET SET SCREW CUP 1/4-20 X 1/2
18	1	210589	COVER
19	2	325141	KEY

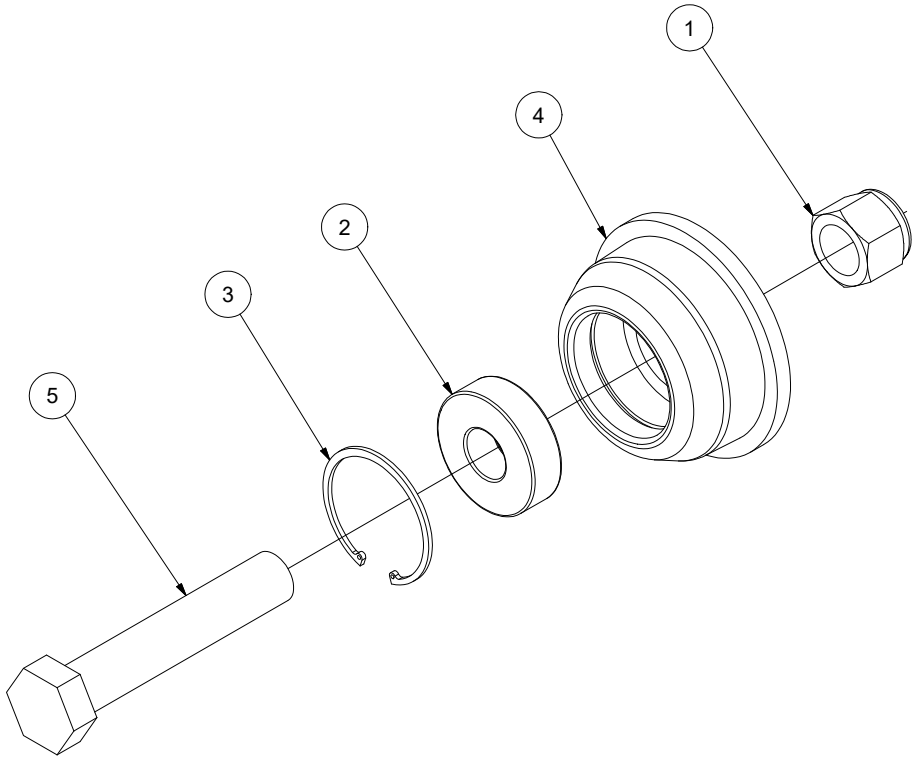
21 - ROLL SUPPORT

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	492041-1	ADJUSTEMENT ROD
2	1	224082	PLASTIC FILM SUPPORT
3	1	303012	BEARING 6204RS-750
4	1	320027	RETAINNING RING INT. 1 3/4
5	1	320113	RETAINNING RING EXT. 3/4
6	1	325238	KNOB



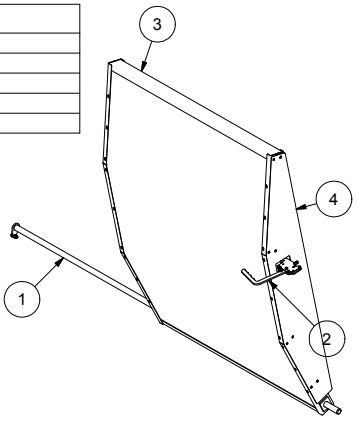
21 - ROLL SUPPORT

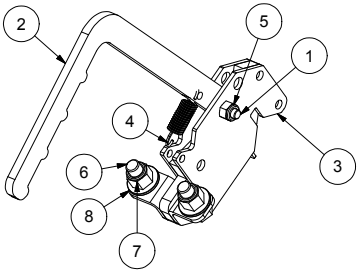
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	501036	HEX NYLON LOCKNUT GR5 3/4-10 Z
2	1	303012	BEARING 6204RS-750
3	1	320027	RETAINNING RING INT. 1 3/4
4	1	279007	PLASTIC ROLL HOLDER
5	1	500293	HEX BOLT GR5 3/4-10 X 4



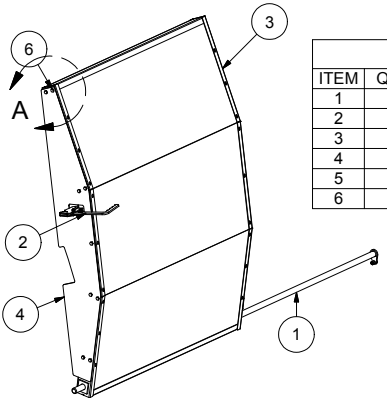
22 - HOOP SHIELD

LISTE DE PIÈCES			
ITEM	QTÉ	PIÈCE	DESCRIPTION
1	1	210304	SHIELD SUPPORT
2	1	210831	LOCK
3	1	210974	SHIELD
4	1	210976	SHIELD RIGHT PLATE

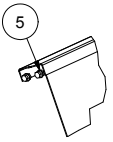




PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	500006	HEX BOLT GR5 1/4-20 X 1
2	1	210755	HANDLE
3	1	210809	HOUSING
4	1	304021	SPRING
5	1	501030	NYLON NUT
6	2	500084	BOLT
7	2	501032	NYLON NUT
8	2	502004	FLAT WASHER



PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210304	SHEILD SUPPORT
2	1	210831	LOCK
3	1	210974	SHIELD
4	1	210975	SHIELD RIGHT PLATE
5	9	501021	HEX FLANGE NUT GR2 5/16-18 Z
6	9	500040	BOLT



DETAIL A

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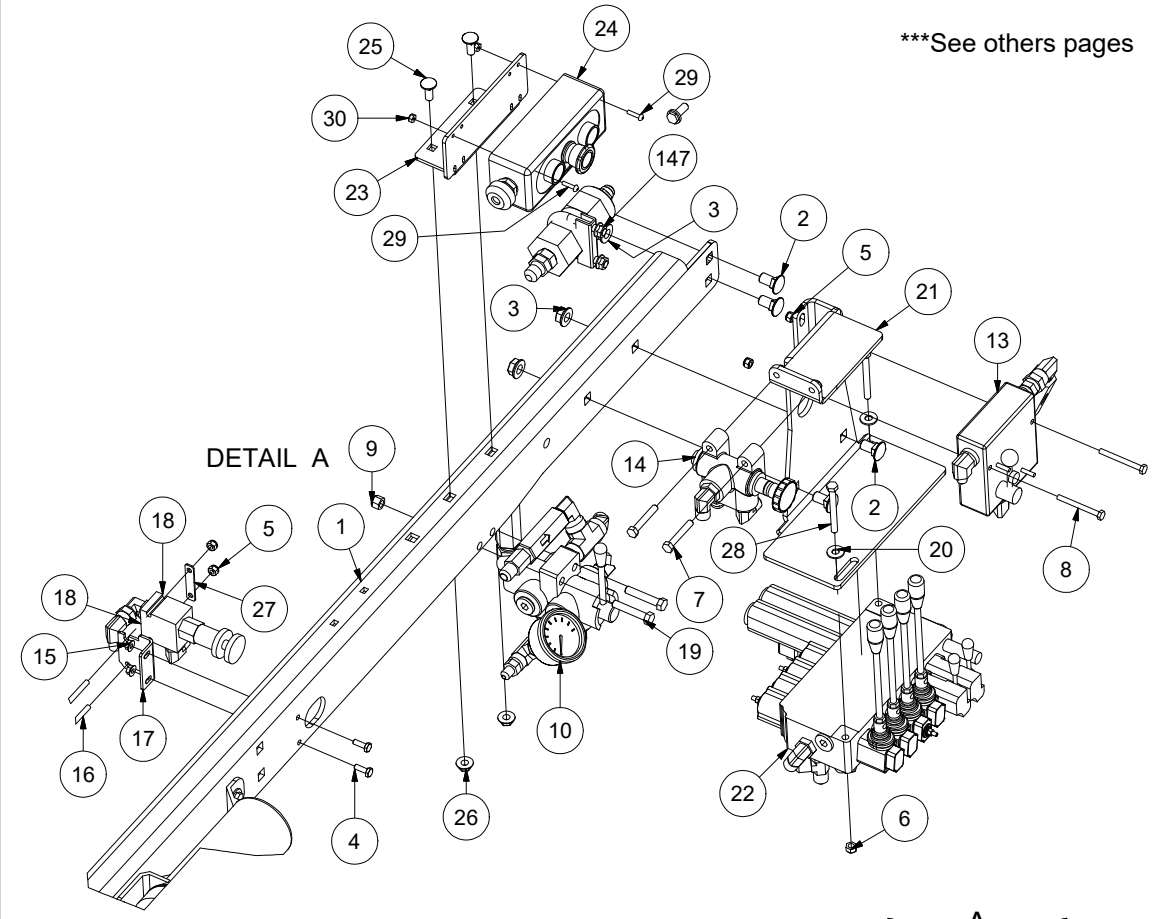
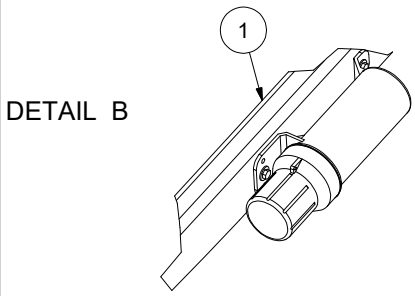
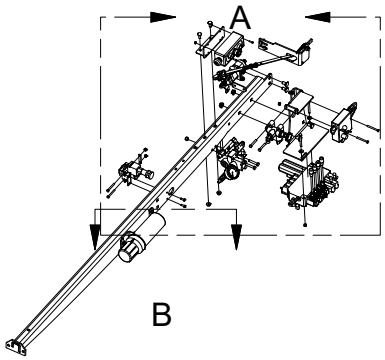
23 - CONTROL SUPPORT

PARTS LIST				PARTS LIST			
ITEM	QTY	PART	DESCRIPTION	ITEM	QTY	PART	DESCRIPTION
1	1	210286-2	RIGHT HOOP SUPPORT	16	2	500016	HEX BOLT GR5 1/4-20 X 2 1/4
2	4	500500	CARRIAGE BOLT	17	1	210736	VALVE SUPPORT
3	4	501024	HEX FLANGE NUT	18	1	***	VALVE
4	2	500004	HEX BOLT GR5 1/4-20 X 3/4	19	2	500092	HEX BOLT GR5 3/8-16 X 2
5	4	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	20	4	502014	FLAT WASHER
				21	1	210977	VALVE SUPPORT
6	4	501031	HEX NYLON LOCKNUT GR5 5/16-18 Z	22	1	***	VALVE
				23	1	210348	EMERGENCY STOP SUPPORT
7	2	500052	HEX BOLT GR5 5/16-18 X 2	24	1	***	EMERGENCEY STOP CONTROL 3
8	2	500017	HEX BOLT GR5 1/4-20 X 2 1/2	25	2	500442	CARRIAGE BOLT
9	3	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	26	2	501022	HEX FLANGE NUT
				27	1	210978	VALVE SUPPORT PLATE
10	1	***	VALVE	28	2	500058	HEX BOLT GR5 5/16-18 X 3
13	1	***	VALVE	29	2	507042	BUTTON HEAD SCREW
14	1	***	VALVE	30	2	501050	HEX NYLON LOCKNUT
15	2	501020	HEX FLANGE NUT	147	1	507125	U BOLT 3/8" X 1 3/4"

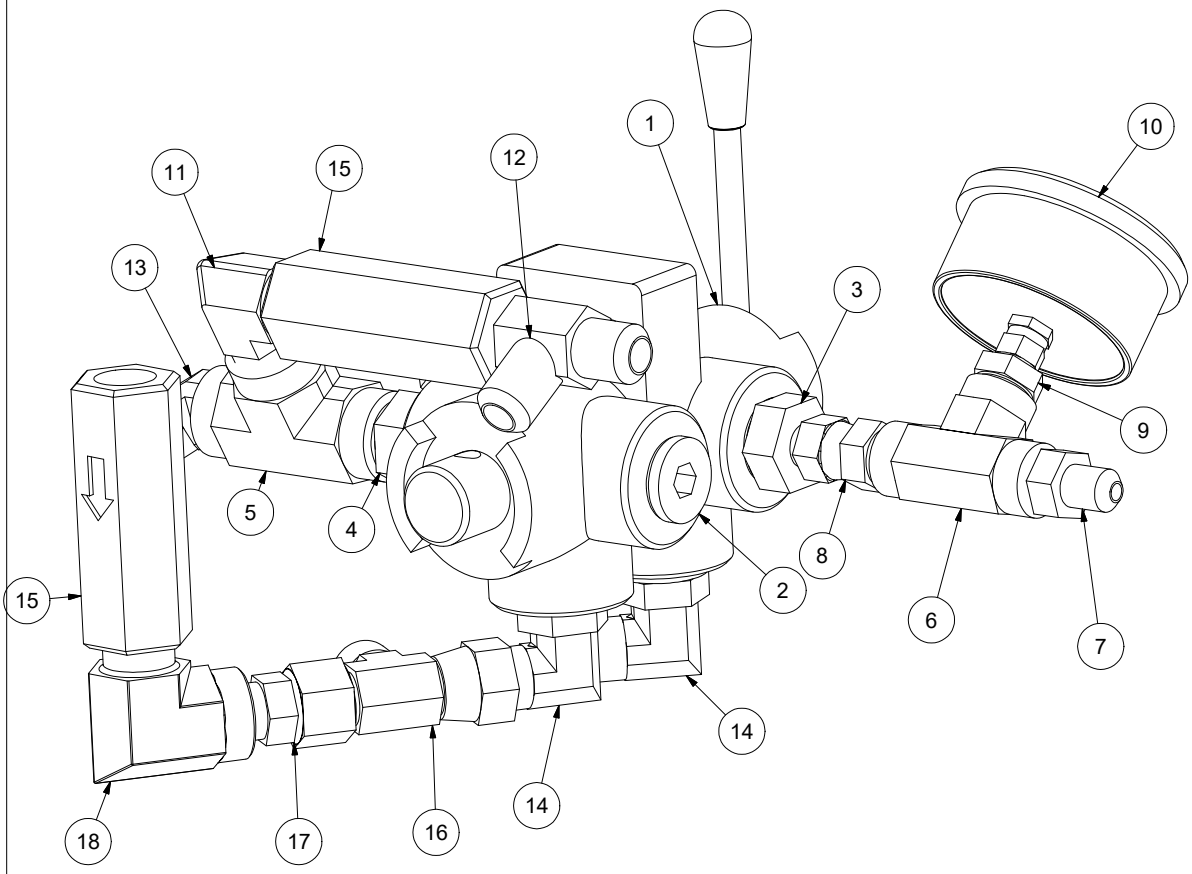






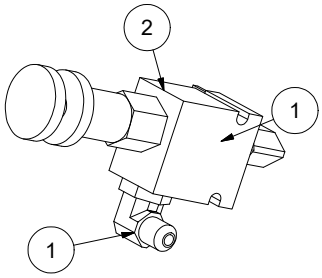
23 - HYDRAULIC CONTROL

PARTS LIST				
ITEM	QTY	PART	DESCRIPTION	NOTE
1	1	465065-1	HYDRAULIC VALVE	
2	1	451356	PLUG ORB 10	
3	1	451173	6 M.JIC - 10 M.ORB	
4	1	451097	10 M.ORB - 8 M.NPT	
5	1	450243	8 F.NPT	
6	1	450242	6 F.NPT	
7	1	450542	6 M.JIC - 6 M.NPT	
8	1	450994	6 F.JIC - 6 M.NPT	
9	1	450022	6 M.NPT - 4 F.NPT	
10	1	470010	PRESSURE GAUGE	
11	1	450196	HYDRAULIC FITTING	
12	1	450877	8 M.JIC - 8 M.NPT	
13	1	450673	8 M.JIC - 8 M.NPT 45°	
14	2	451266	8 M.JIC - 10 M.ORB 90°	
15	2	465879	CHECK VALVE	
16	1	450973	T 8 F.JIC - 8 M.JIC	
17	1	450996	8 F.JIC - 8 M.NPT	
18	1	450149	8 F.NPT - 8 M.NPT 90°	
19	1	451230	HYDRAULIC FITTING	

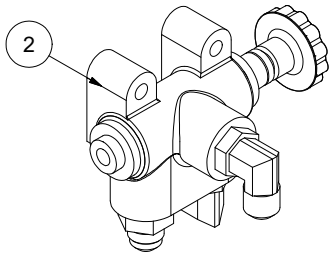


23 - HYDRAULIC CONTROL

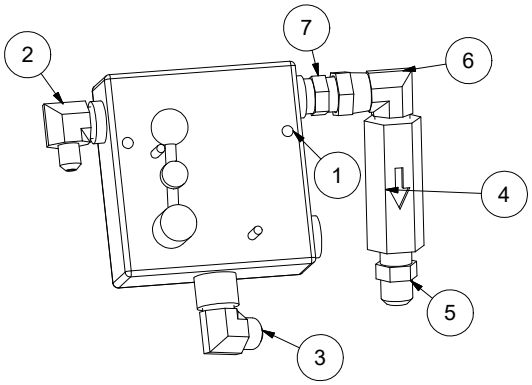
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	2	451261	6 M.JIC - 8 M.ORB
2	1	465877	HYDRAULIC VALVE
3	1	450953	HYDRAULIC FITTING



PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	AVEC VALVE	
2	1	465890	VALVE
3	2	451265	8 M.JIC - 8 M.ORB 90°
4	1	451178	8 M.JIC - 8 M.ORB

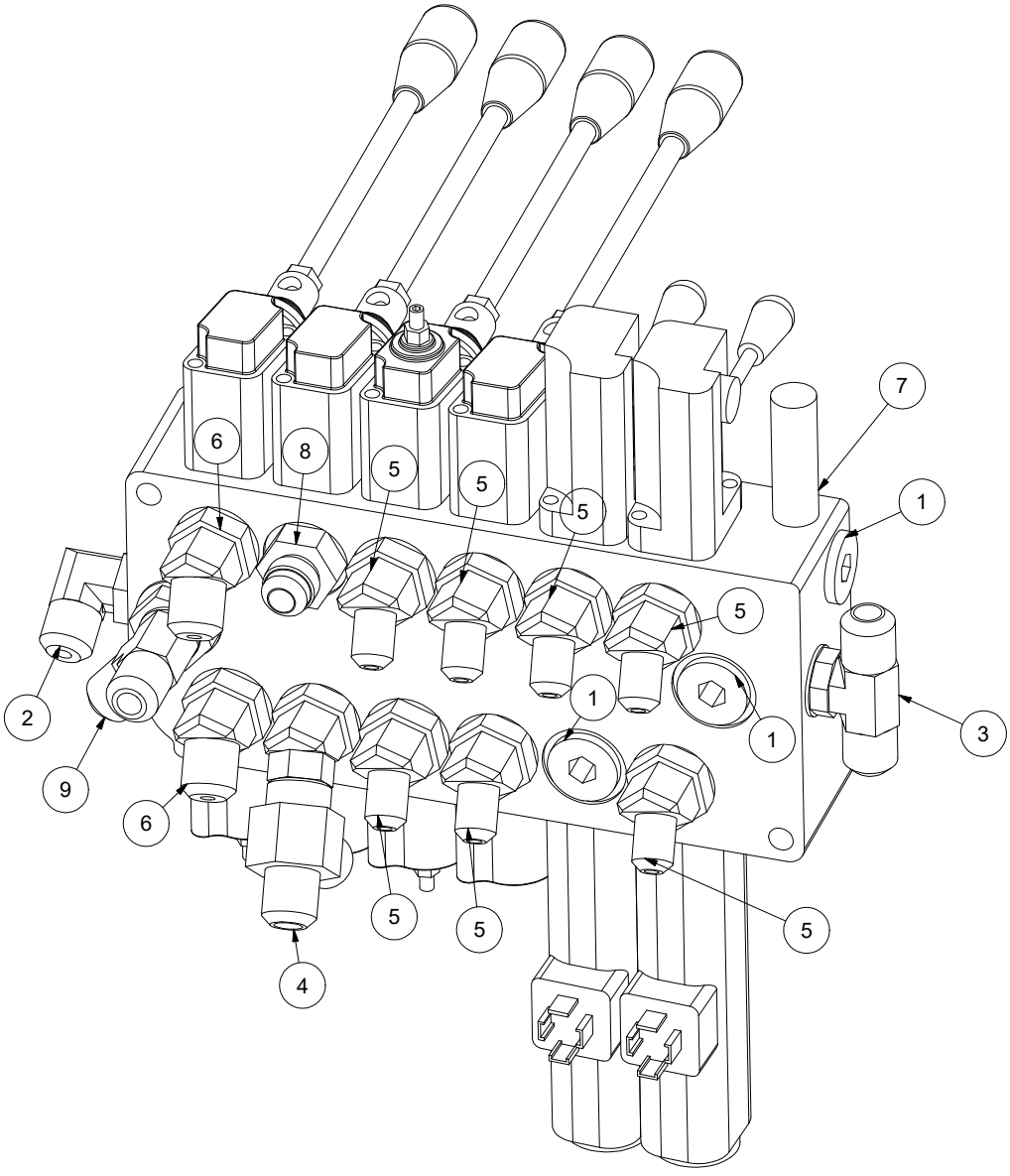


PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	465983	SPEED CONTROL VALVE
2	1	450712	HYDRAULIC FITTING
3	1	450716	M JIC 8 - M NPT 8 90 DEG
4	1	465879	CHECK VALVE
5	1	450548	8 M JIC - 8 M NPT
6	1	450381	HYDRAULIC FITTING
7	1	450008	HYDRAULIC FITTING

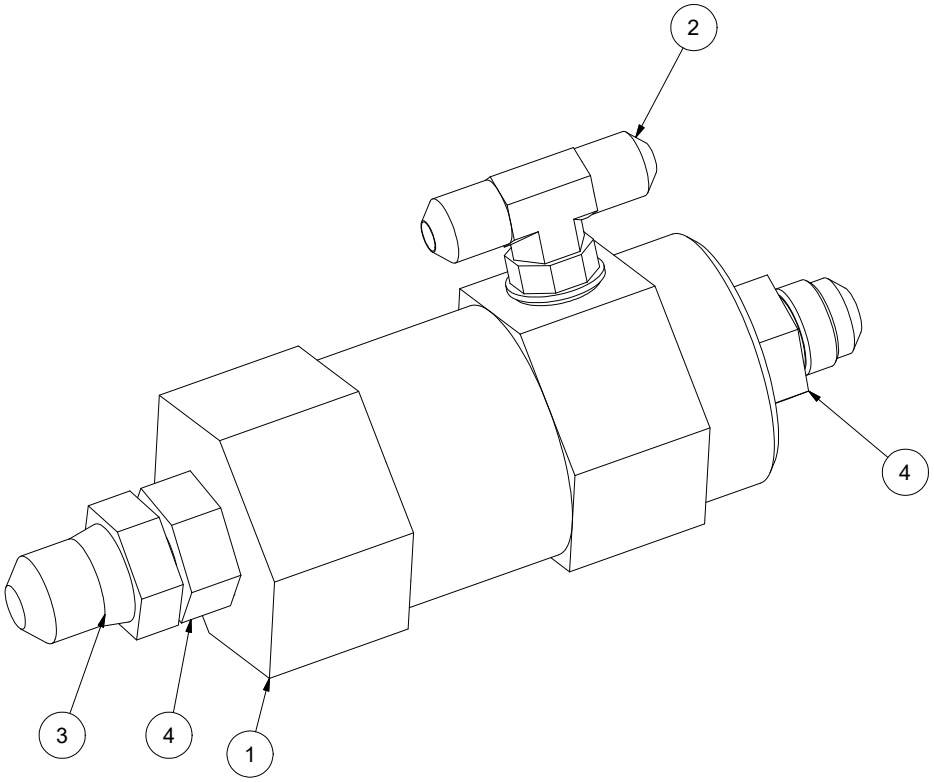


23 - HYDRAULIC CONTROL

PARTS LIST				
ITEM	QTÉ	PIÈCE	DESCRIPTION	NOTE
1	4	451355	HYDRAULIC FITTING	
2	1	451265	HYDRAULIC FITTING	
3	1	451313	HYDRAULIC FITTING	
4	1	450973	HYDRAULIC FITTING	65-12000-->
5	7	451227	HYDRAULIC FITTING	
6	3	451229	HYDRAULIC FITTING	
7	1	465974	VALVE	
8	1	451178	HYDRAULIC FITTING	65-12000-->
9	1	451504	ADAPTEUR HYDRAULIQUE	

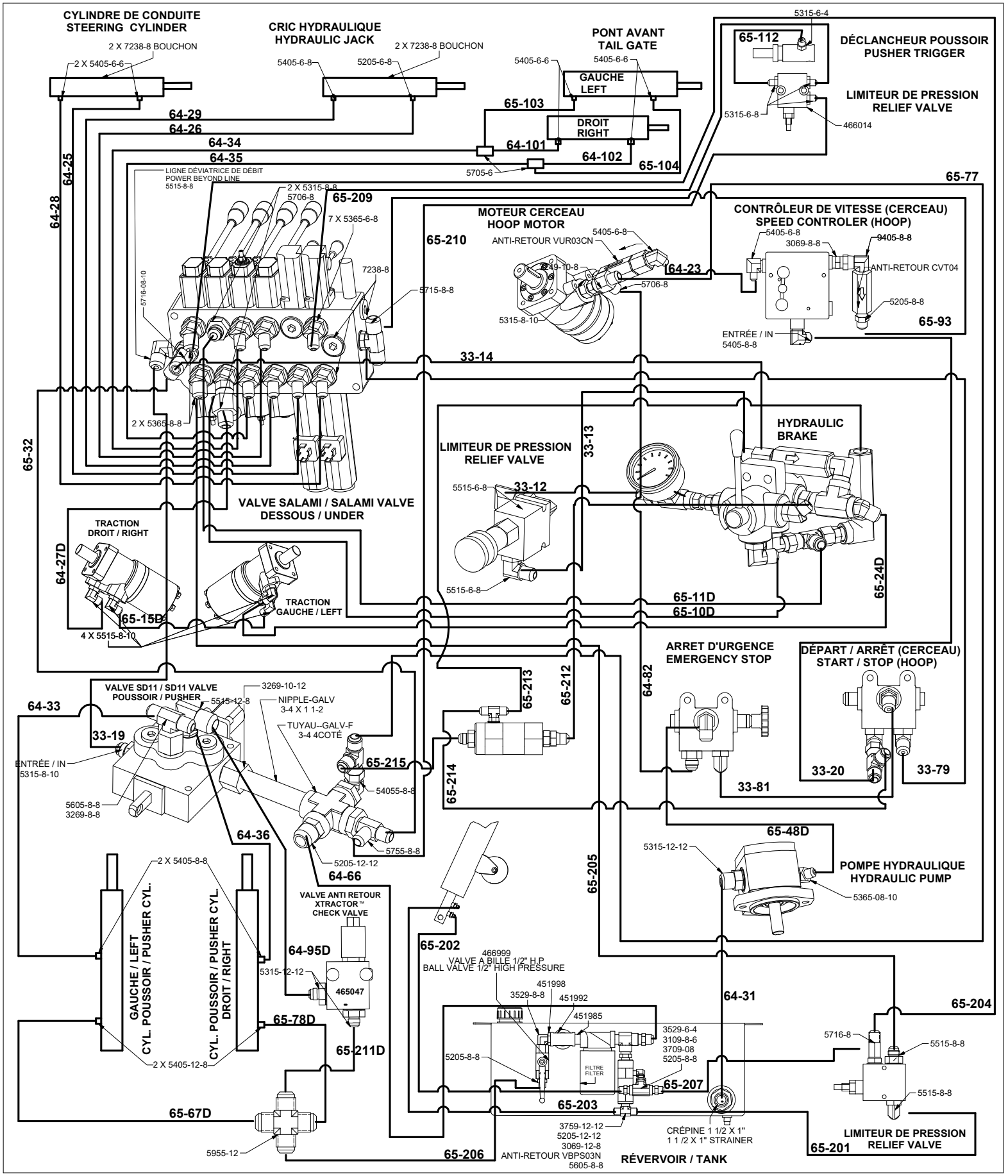


PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	465917	PILOT OPERATED CHECK VALVE
2	1	451312	6 M.JIC - 6 M.ORB
3	1	450588	8 F.JIC - 8 M.JIC
4	2	451179	8 M JIC - 10 M ORB



ANDERSON

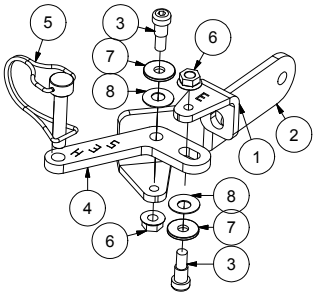
24-DIAGRAMME HYD. HYBRID EVOLUTION 20HP /HYBRID EVOLUTION HYDRAULIC DIAGRAM 20HP



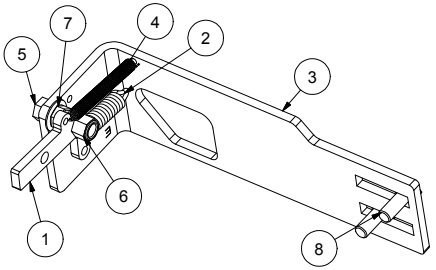
ANDERSON

LISTE DE PIÈCES			
QTÉ-QTY	PIÈCE/PART	DESCRIPTION FRANÇAISE	ENGLISH DESCRIPTION
1	210749-1	BOYAU 65-10D	HOSE 65-10D
1	210748-1	BOYAU 65-11D	HOSE 65-11D
1	210753	BOYAU 33-12	HOSE 33-12
1	210752-1	BOYAU 33-13	HOSE 33-13
1	210751-1	BOYAU 33-14	HOSE 33-14
1	210686-2	BOYAU 33-19	HOSE 33-19
1	210687-1	BOYAU 33-20	HOSE 33-20
1	210907	BOYAU 64-23	HOSE 64-23
1	210908	BOYAU 64-25	HOSE 64-25
1	210909	BOYAU 64-26	HOSE 64-26
1	210910	BOYAU 64-27D	HOSE 64-27D
1	210911	BOYAU 64-28	HOSE 64-28
1	210912	BOYAU 64-29	HOSE 64-29
1	210913	BOYAU 64-33	HOSE 64-33
1	210917	BOYAU 64-34	HOSE 64-34
1	210918	BOYAU 64-35	HOSE 64-35
1	210914	BOYAU 64-36	HOSE 64-36
1	210701-2	BOYAU 65-48D	HOSE 65-48D
1	210903-1	BOYAU 65-67D	HOSE 65-67D
1	210904-1	BOYAU 65-78D	HOSE 65-78D
1	210706-2	BOYAU 33-79	HOSE 33-79
1	210707-2	BOYAU 33-81	HOSE 33-81
1	210905	BOYAU 64-82	HOSE 64-82
1	210915-1	BOYAU 65-15D	HOSE 65-15D
1	210916-1	BOYAU 65-24D	HOSE 65-24D
1	210924	BOYAU 64-31	HOSE 64-31
1	210696-3	BOYAU 65-32	HOSE 65-32
1	210925	BOYAU 64-66	HOSE 64-66
1	210704-3	BOYAU 65-77	HOSE 65-77
1	210709-4	BOYAU 65-93	HOSE 65-93
1	210906	BOYAU 64-95D	HOSE 64-95D
1	210936	BOYAU 65-211D	HOSE 65-211D
1	210919	BOYAU 64-101	HOSE 64-101
1	210920	BOYAU 64-102	HOSE 64-102
1	210921-1	BOYAU 65-103	HOSE 65-103
1	210922-1	BOYAU 65-104	HOSE 65-104
1	210926	BOYAU 65-201	HOSE 65-201
1	210927	BOYAU 65-202	HOSE 65-202
1	210928	BOYAU 65-203	HOSE 65-203
1	210929	BOYAU 65-204	HOSE 65-204
1	210930	BOYAU 65-205	HOSE 65-205
1	210931	BOYAU 65-206	HOSE 65-206
1	210932	BOYAU 65-207	HOSE 65-207
1	210933	BOYAU 65-208	HOSE 65-208
1	210934	BOYAU 65-209	HOSE 65-209
1	210935	BOYAU 65-210	HOSE 65-210
1	211042	BOYAU 65-212	HOSE 65-212
1	211043	BOYAU 65-213	HOSE 65-213
1	211044	BOYAU 65-214	HOSE 65-214
1	211045	BOYAU 65-215	HOSE 65-215

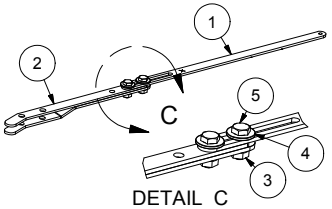
25 - PLASTIC WATCH



PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210801-2	ACTIVATION HOOK
2	1	210799-4	PIVOT SUPPORT
3	2	500572	HEX SOCKET HEAD CAP SCREW
4	1	210807	PIVOT
5	1	320031	LOCK PIN
6	2	501020	HEX FLANGE NUT
7	2	502002	FLAT WASHER
8	2	502035	BELLEVILLE WASHER

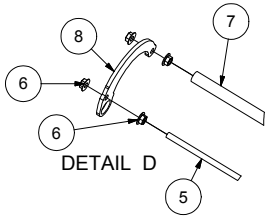


PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210199-1	TRIGGER
2	1	304005	SPRING
3	1	210796-1	TRIGGER SUPPORT
4	1	304022	SPRING
5	1	500086	BOLT
6	1	501032	NYLON NUT
7	1	501022	HEX FLANGE NUT
8	2	500602	HEX FLANGE BOLT

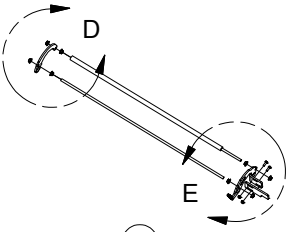


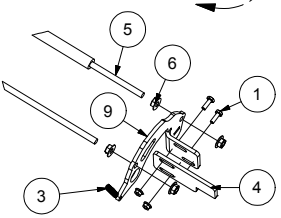
DETAIL C

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	1	210358	TRANSFER ROD 1
2	1	210359	TRANSFER ROD 2
3	2	501020	HEX FLANGE NUT
4	2	502002	FLAT WASHER
5	2	500004	BOLT



DETAIL D





DETAIL E

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	2	500004	BOLT
2	2	501020	HEX FLANGE NUT
3	1	304022	SPRING
4	1	210797	TRIPPING PLATE
5	2	306034	ROD
6	8	501022	HEX FLANGE NUT
7	1	209501	NYLATRON TUBE
8	1	210794	OUTSIDE HALF MOON SUPPORT
9	1	210806	INSIDE HALF MOON SUPPORT

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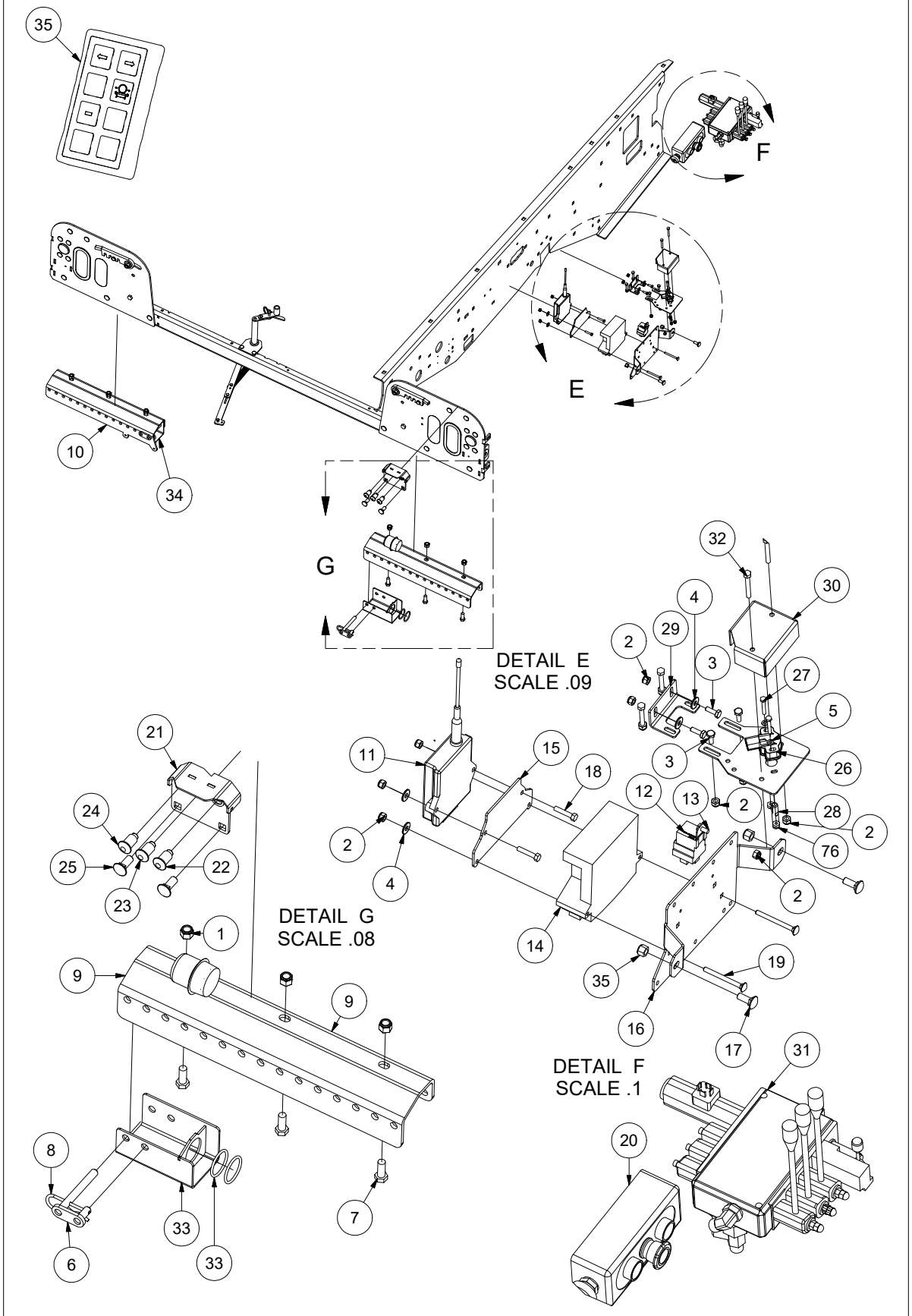
27 - AUTOMATED DRIVING (OPTION)



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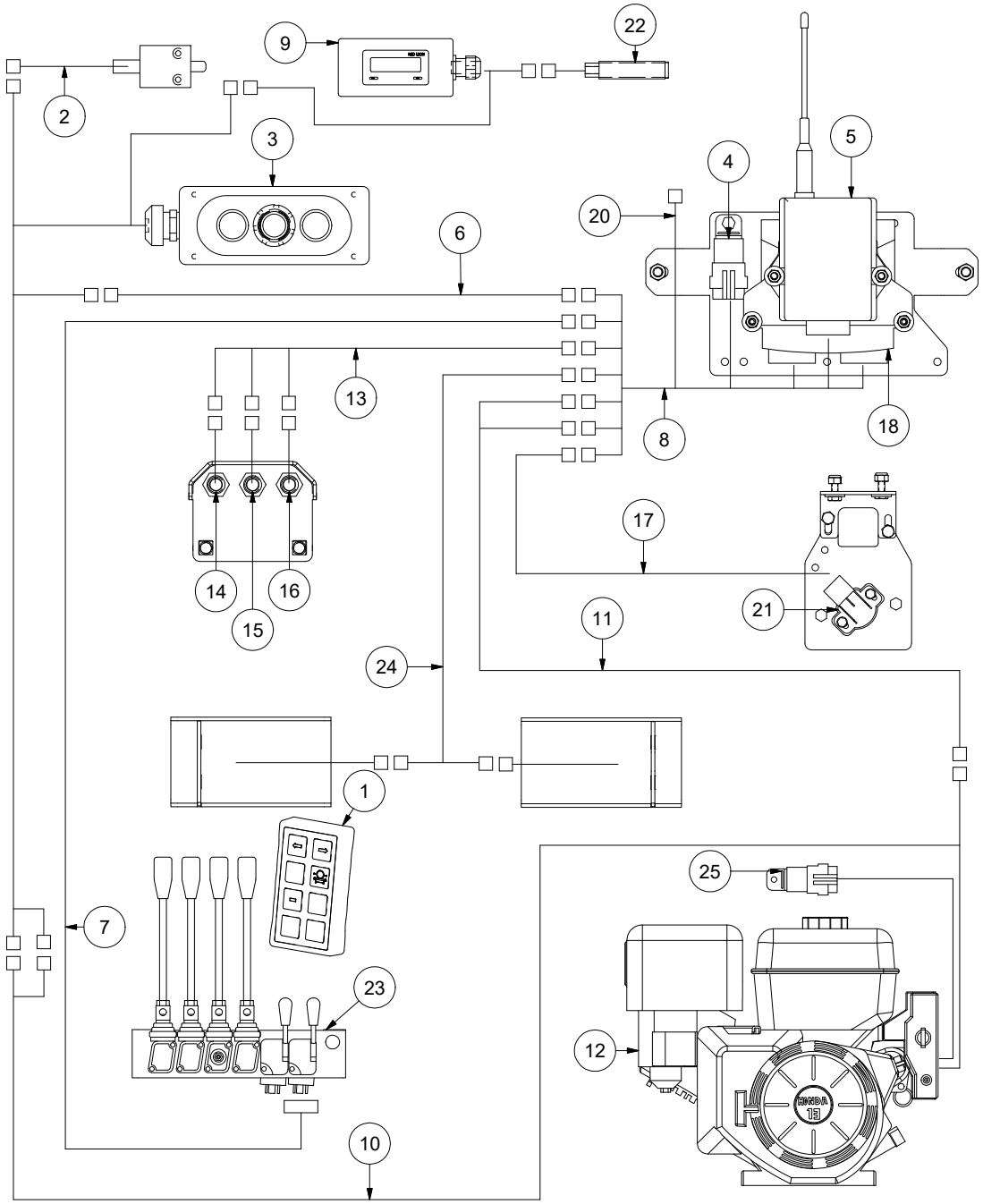
PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	10	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z
2	19	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z
3	7	500004	HEX BOLT GR5 1/4-20 X 3/4
4	7	502002	FLAT WASHER 1/4 Z
5	2	502015	FLAT WASHER
6	2	210336	PIN
7	6	500175	HEX BOLT
8	2	320039	HITCH PIN
9	1	210334	RIGHT GUARD
10	1	210335	LEFT GUARD
11	1	315172	REMOTE
12	1	900606	RELAY
13	1	500001	HEX BOLT
14	1	315089-1	COMPUTER
15	1	210360	REMOTE CONTROL SUPPORT
16	1	210361	CONTROL SUPPORT
17	2	500442	CARRIAGE BOLT
18	2	500008	HEX BOLT
19	2	500368	CARRIAGE BOLT
20	1	315165	3 FONCTION REMOTE
21	1	210339	LIGHT GUARD
22	1	900564-1	YELLOW LIGHT KIT
23	1	900566-1	RED LIGHT KIT
24	1	900565-1	GREEN LIGHT KIT
25	2	500501	CARRIAGE BOLT
26	1	210333	SENSOR SUPPORT
27	2	500348	HEX BOLT
28	1	210399	ACTIVATOR FOR SENSOR
29	1	210898	FRAME SENSOR SUPPORT
30	1	210375	SENSOR GUARD
31	1	465974	HYDRAULIC VALVE 6 SECTION
32	4	500014	HEX BOLT GR5 1/4-20 X 2
33	1	210373	
34	1	INCLUS DANS LE DROIT	
35	2	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z

27 - AUTOMATED DRIVING (OPTION)



LISTE DE PIÈCES			
ITEM	QTÉ	PIÈCE	DESCRIPTION
1	1	315171	REMOTE CONTROL
2	1	315160	LIMIT SWITCH
3	1	315165	CONTROL PANEL
4	1	900606	RELAIS 12V ``WEATHERPROOF``
5	1	315172	CONTROL (REMOTE STERING)
6	1	315152	CAB-4F-8-4M
7	1	315156	HARNESS TO ELECTRICAL VALVE
8	1	315192	HARNESS TO CONTROL
9	1	315096	BALE COUNTER
10	1	315158-3	HARNESS (EMERGENCY STOP)
11	1	315162	HARNESS (ELECTRIC START)
12	1	610006	ENGINE
13	1	315190	HARNESS (INDICATOR LED LIGHT)
14	1	900565-1	GREEN LED

LISTE DE PIÈCES			
ITEM	QTÉ	PIÈCE	DESCRIPTION
15	1	900566-1	RED LED
16	1	900564-1	YELOW LED
17	1	315189	HARNESS TO WHEEL SENSOR
18	1	315089-1	CONTROLLER (AUTOPILOT)
19	1	315101-1	OPTICAL SENSOR
20	1		PROGRAM ENTRY CONNECTION
21	1	900099	WHEEL ANGLE SENSOR
22	1	315097	BALE COUNTER SENSOR
23	1	465974	MAIN VALVE
24	1	315191	CABLE FOR DISTANCE SENSOR
25	1	210374	RELAY FOR STARTER 20Hp

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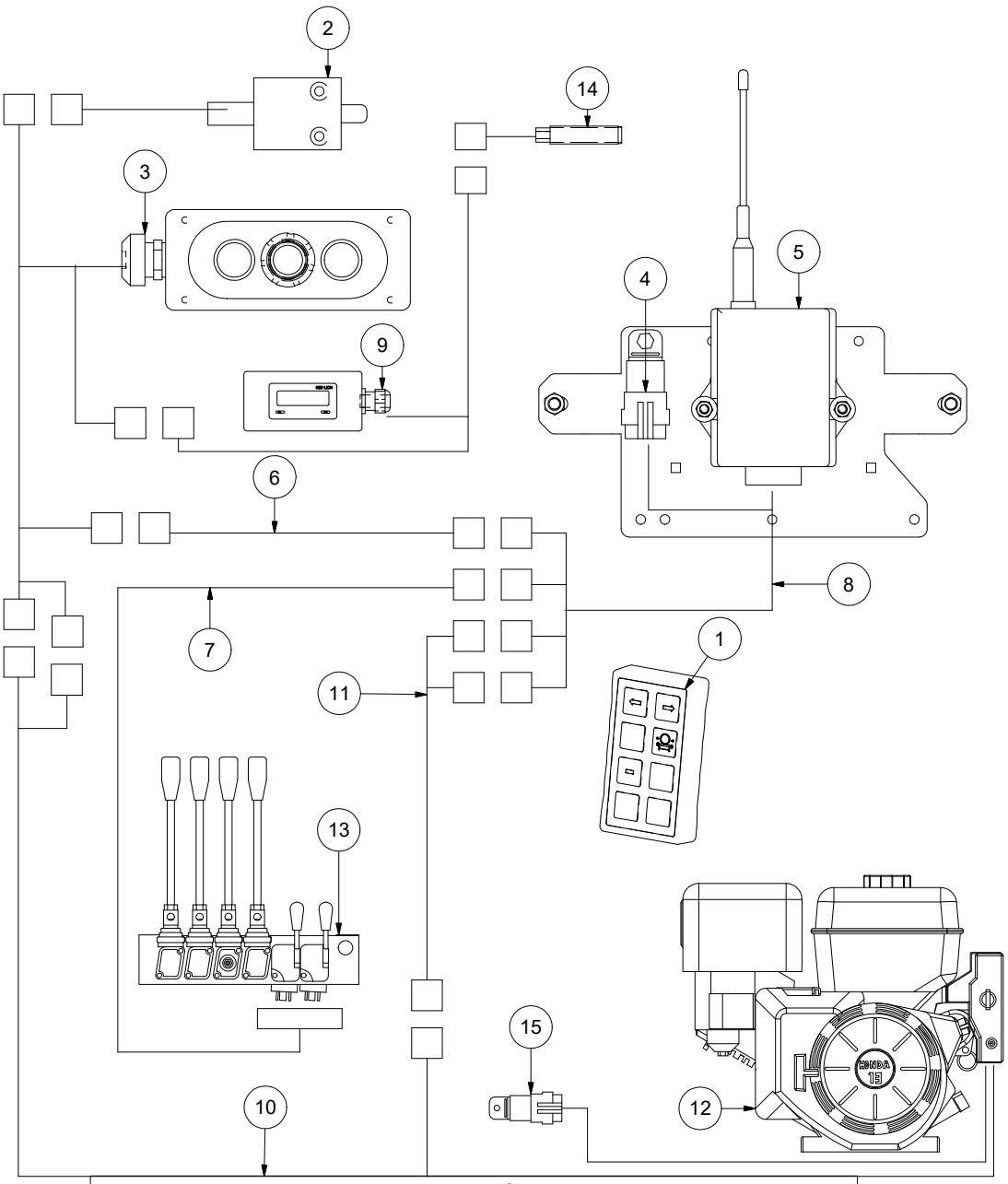
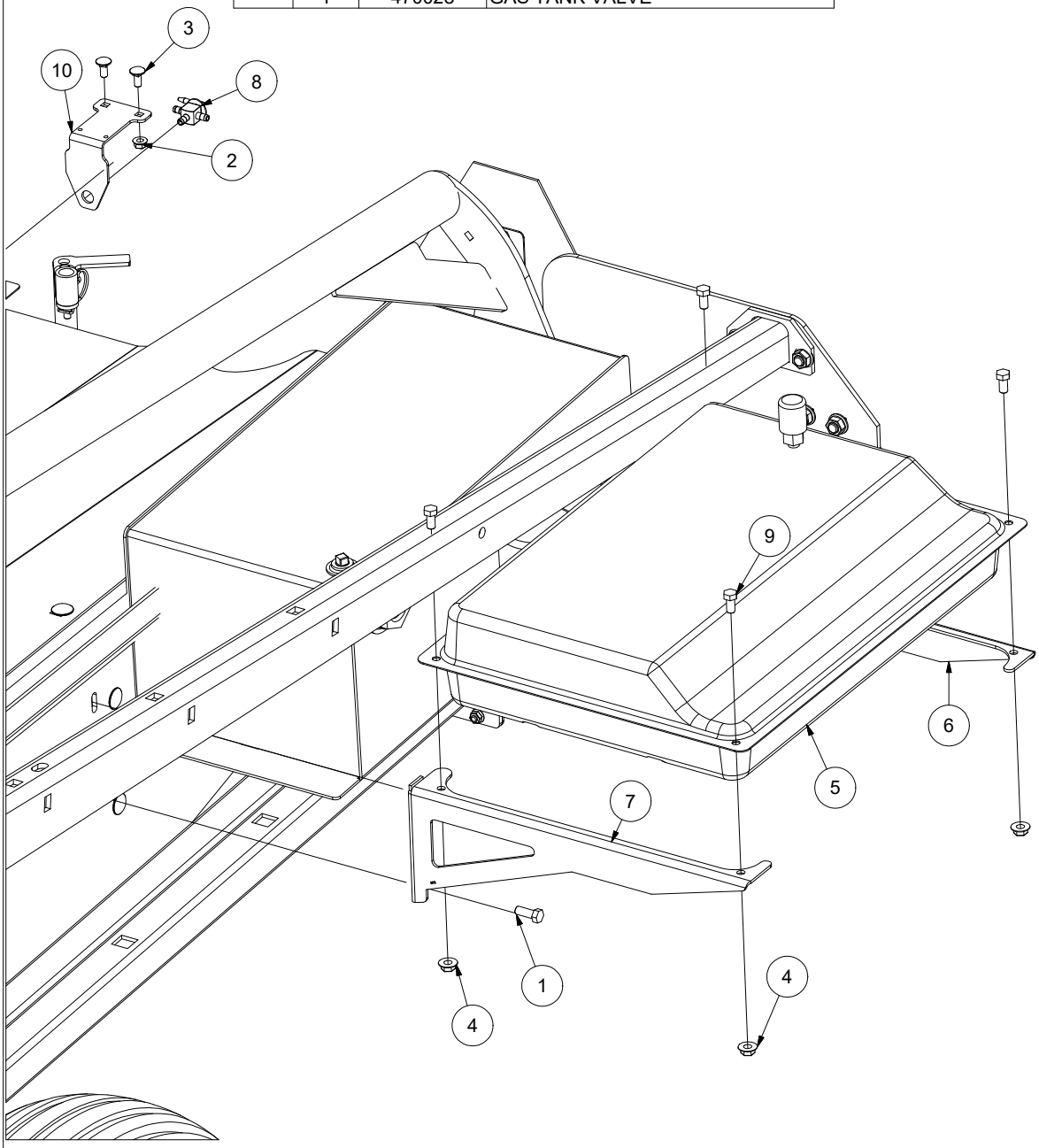
27 - REMOTE CONTROL DRIVING (OPTION)



LISTE DE PIÈCES			
ITEM	QTÉ	PIÈCE	DESCRIPTION
1	1	315171	REMOTE CONTROL
2	1	315160	LIMIT SWITCH (SAFETY GATE)
3	1	315165	DASHBOARD CONTROL PANEL
4	1	900606	RELAIS 12V ``WEATHERPROOF``
5	1	315172	CONTROLLER (REMOTE STEERING)
6	1	315152	CAB-4F-8-4M
7	1	315156	HARNESS TO ELECTRIC VALVE
8	1	315188	HARNESS TO CONTROLLER (REMOTE STEERING)
9	1	315096	BALECOUNTER
10	1	315158-3	HARNESS (EMERGENCY STOP)
11	1	315162	HARNESS (ELECTRIC START)
12	1	610006	ENGINE
13	1	465974	MAIN VALVE
14	1	315097	BALE COUNTER SENSOR
15	1	210374	RELAY FOR STARTER 20Hp

27 - TANK

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	4	500084	HEX BOLT GR5 3/8-16 X 1
2	2	501021	HEX FLANGE NUT GR2 5/16-18 Z
3	2	500401	CARRIAGE BOLT
4	8	501022	HEX FLANGE NUT GR2 3/8-16 Z
5	1	470032	GAS TANK
6	1	210364	GAS TANK LEFT SUPPORT
7	1	210363	GAS TANK RIGHT SUPPORT
8	1	470027	GAS VALVE
9	5	500082	HEX BOLT GR5 3/8-16 X 3/4
10	1	210362	VALVE HOLDER
*	1	325251	FUEL LEVEL GAUGE
*	1	470033	GAS TANK CAP
*	1	470064	GAS FILTER
*	1	470028	GAS TANK VALVE



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