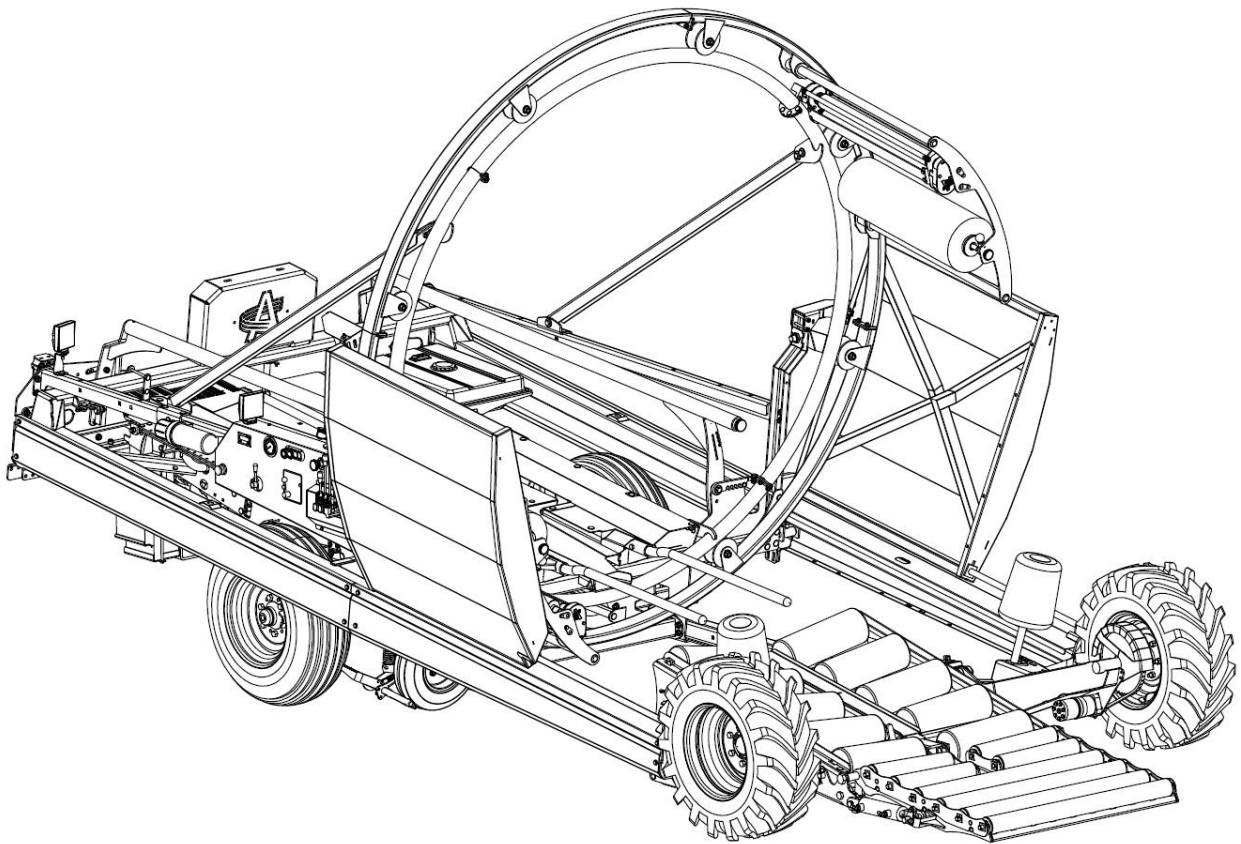


404646-8



Round Bale Wrapper IFX720



Operator's Guide
2021



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How to reach us

When contacting us, please have the following information ready:

- The product model and serial number;
- Your name, address and phone number;
- The purchase date and invoice number;
- The dealer's name, address and phone number and the sales representative's name;
- A detailed description of your problem.

Please always call your representative first. If your representative is absent or helping another customer, our support team can provide immediate assistance. The Anderson service department works in partnership with your dealer. Together, we will ensure any problems you encounter are resolved quickly and efficiently.

You can reach our service department at:

Address: ANDERSON GROUP
5125 De la Plaisance
Chesterfield, QC
CANADA

Phone: +1-819-382-2952

Fax: +1-819-382-2218

Email: service@grpanderson.com

Website: www.grpanderson.com

Starting guidelines

Before starting your Anderson equipment, we strongly recommend that you:

- Carefully read and understand the contents of this manual
- Follow all safety guidelines
- Follow the start-up procedures

NOTE: This manual contains important information about equipment maintenance and use. Please give it to the new owner when selling or transferring it.

Anderson limited warranty

- The one-year warranty begins on the date 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 5,000 bales for trailers, individual bale wrappers and inline wrappers.
- If during the year following the purchase of a new equipment, 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 when ordering parts or inquiring about your equipment's operating procedures or your warranty.
- An authorized Anderson dealer must replace and/or repair equipment parts. This only applies to parts and labour. 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, serial number and equipment description.
- To have equipment repaired under warranty, the customer must advise the dealer of the problem as soon as possible and request that the repairs be made according to the terms of the applicable warranty.
- Given that we are always seeking to improve our products, our company reserves the right to modify our equipments, their characteristics and their parts at any time without prior 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:



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Warranty policies, procedures and provisions summary

Purpose of warranty:

The fundamental responsibility of the warranty is to correct defects in material and workmanship of the products sold by Anderson Group Inc. (hereafter called "Anderson"). This outline is intended to help you understand Anderson's warranty policies and ensure that you receive the best service possible for your Anderson equipment.

- The warranty is limited to 1 year (12 months). This specified period begins on the date the new equipment is sold to the customer.
- The 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, inappropriate use, insufficient maintenance, improper protection during storage or damage due to vandalism, bad weather, natural elements, collision or an accident.
- The warranty is void if your equipment has been modified in any way without Anderson's express authorization.
- The warranty does not cover towing expenses or service calls.
- No warranty is extended to regular service items such as fluids, paint and 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, such as 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 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 technical manual will inform you about maintaining your wrapper and using it safely.

Disclaimer

Illustrations

The illustrations and information in this manual are accurate as of printing. Anderson Group reserves the right to modify its machines without prior notice.

Engine

The IFX Wrapper is equipped with a Honda engine. The user's manual for the Honda engine is provided with the wrapper. It contains all the information necessary for operating and maintaining the engine, as well as all the safety guidelines to follow. Before using the wrapper, take the time to thoroughly read the engine user's guide.

Groupe Anderson is in no way responsible for the content of the engine user's manual.

Conventions



"Danger!" messages identify information that should be read to prevent serious or fatal injuries to people and animals.



"Warning!" messages identify information that should be read to prevent minor injuries to people and animals or damage to the machine.

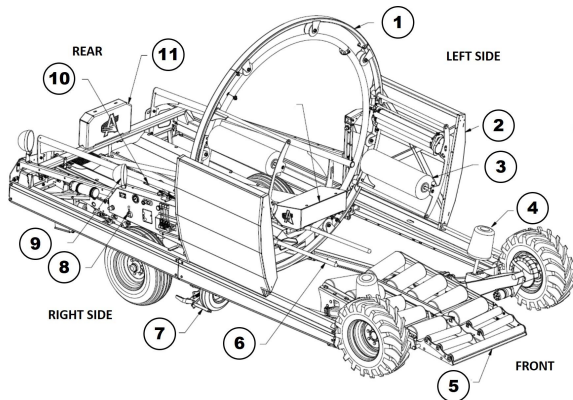
NOTE: Notes provide additional information about the section content.

1 Introduction

Congratulations! You have just purchased an Anderson wrapper. Your wrapper is a quality piece of machinery for wrapping round bales in a tube.

1.1 Overview

The following illustration shows the main components of the IFX Wrapper.

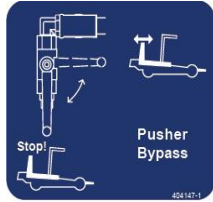
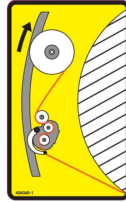


1	Hoop
2	Safety guard
3	Plastic film roll
4	Guide roller
5	Tailgate
6	Spear
7	Hoop brake pedal
8	Control panel
9	Work light
10	Trigger
11	Push rod

Figure 1 – Main Components of the Wrapper

The following table shows and describes the labels on the wrapper, excluding the ones on the control panel. These labels are shown in Table 2

Table 1 — Labels on the Wrapper

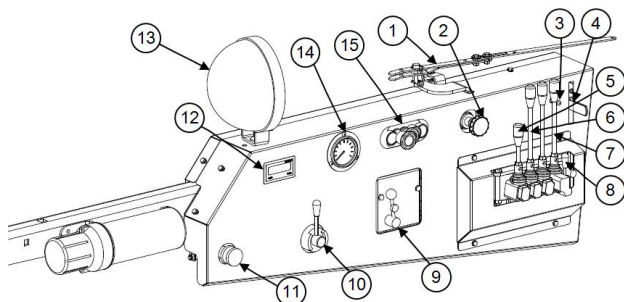
Label	Description
	Deactivating the pusher
	Deactivate the plastic watch
	Install the plastic film
	Right bale guide
	Left bale guide
	Lubrication point (oil)
	Grease point (grease)



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1.2 Control panel

The image below shows the control panel of the wrapper.



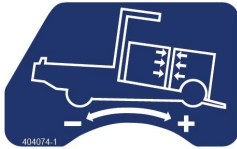
1	Plastic watch
2	Hydraulic stop
3	Light switch
4	Engine Speed Control
5	X-Tractor lever
6	Front traction lever
7	Pivoting axle lever
8	Direction lever
9	Hoop speed control
10	Selector valve: wrapping or moving
11	Hydraulic brake valve
12	Bale counter
13	Work light
14	Hydraulic brake valve pressure gauge
15	Emergency stop

Figure 2 — Control Panel

The following table shows and describes the labels on the control panel.

Table 2 — Labels on the Control Panel

Label	Description
	Controls the X-Tractor system
	Controls the front traction
	Controls the front tailgate (if the ball valve is open)
	Controls the steering
	Controls the hoop speed
	Selects moving or wrapping mode
	Switches the work light on and off
	Activates the remote control, emergency stop and engine

Label	Description
	Controls the bale compression
	Controls the engine speed

1.3 Technical specifications

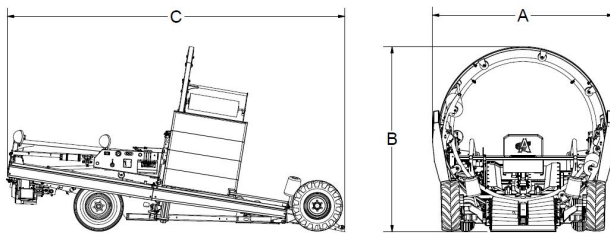


Figure 3 — Dimensions

Table 3 — Dimensions and Weights

Component	Dimension
Width (A)	2.99 m (118 in.)
Width in transport position	2.77 m (109 in.)
Height (B)	2.98 m (117.5 in.)
Total length (C)	5.18 m (17 ft.)
Total weight	2,150 kg (4,739 lb.)
Hitch weight	480 kg (1,058 lb.)

Table 4 — General Specifications

Component	Specification
Engine	Honda: GX 390 gas Honda: GX 630 gas (option)
Wrapping capacity	120–200 bales/hr according to options
Bale dimensions	Length: 1.2 or 1.52 m (4 ft. or 5 ft.) Diameter: 1.2–1.83 m (48–72 in.)
Stretchers	Number: 2 (or option for 4) Length: 76 cm (30 in.)
Plastic film	Roll width: 76 cm (30 in.)

Component	Specification
	Stretch capacity: 55% (40% with optional gear)
Pusher travel	Up to 1.9 m (75 in.)
Hoop	Outside diameter: 2.77 m (109 in.) Inside diameter: 2.24 m (88 in.) Rotating speed: 26 rpm (max)
Hydraulic system	Type: Open Pressure: 2,100 psi (max.) Rate: 8 gpm (30 Lpm) Tank capacity (for oil changes): Between 36 and 40 litres
Tires	Front Dimension: 29X12.5-15 NHS Recommended pressure: 30 psi Rear Dimension: 11L-15 SL Recommended pressure: 36 psi Hoop Dimension: 480/4.00-8 Recommended pressure: 45 psi

1.4 Tips and recommendations for high-quality silage

The Anderson Round Bale Wrapper is the ideal machine for making excellent silage bales. For the best silage, you also need to know when and how to harvest and wrap your fodder.

When should you cut your hay for a quality harvest?

There are two prerequisites for good silage: the developing plants need to have a good amount of sugar, and must have an appropriate humidity level once cut. When these conditions are met, you just need to quickly seal the plants to get excellent silage.

The quality of the raw material also influences the quality of the silage. For good silage, you must harvest your hay when the plants are at their peak nutritional values. When hay is cut at its peak sugar levels, it will ferment well and have an optimal level of protein. Plants are considered to be in 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



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before maturity. For legumes (alfalfa, red or white clover, lotus, etc), you should cut when the flower is about 10% developed.

Mature crops have a better yield and contain more fibre. However, once wrapped, they tend to deteriorate after just a few months. Cutting early results in a more flavourful product. It also leads to a quick regrowth and makes second and third cuttings possible.

The quality of the product also depends on hay harvesting, raking or curing methods. For example, large regular field crops produce bales that are more solid and even.

It is also important to avoid contaminating the fodder with soil, manure, or other residue from previous harvests.

When is the best time for baling?

Before pressing the fodder, the moisture content of the cut hay must have decreased just far enough. For fodder to last at least a year, the ideal moisture content is approximately 50% for both grasses and legumes, with a possible range of 40% to 55%.

To determine the moisture content of your fodder, you can use a microwave or humidity tester.

If your baled hay contains too much humidity, butyric acid will form and could prevent the fermentation necessary to conserving your silage. Such hay must be used within 3 months.

How can you 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 your bales are firm and even. They will be easier to wrap and will produce more airtight bale tubes and better silage.

When should you wrap the bales in a tube?

We recommend wrapping your bales as soon as possible after baling, since this is when fermentation within the bale begins. We recommend waiting no longer than 12 hours, or even less if it is very hot outside.

2 Safety precautions

Your Anderson Bale Wrapper was designed to minimize the risks for the operator. Nevertheless, it must only be used for its intended purpose. Misuse of the machine may cause you or others serious injury.

This wrapper has an engine, hydraulic system and moving mechanical parts. All these elements may cause serious and even deadly injuries to people and livestock. It is strongly recommended that you carefully read and follow the guidelines below.

Operator skills and abilities

Before operating, familiarize yourself with the wrapper's procedures. Also insist that the procedures in this manual be followed by all who use your wrapper. Be sure anyone using your wrapper :

- Are responsible;
- Has been properly trained to operate the wrapper safely
- Know the emergency phone numbers;
- Can locate the first aid kit.

Using the wrapper

Only use the wrapper to wrap round hay bales 1.2 or 1.52 m (4 or 5 ft.) in length and 1.83 m (72 in.) and less in diameter. **Avoid** all other uses, such as transporting people or livestock.

Safety perimeter

It is essential you are not interrupted during the operation of this machine. You must be the only person to move around and especially behind the wrapper during operation.



Danger!

Maintain a 5 m (15 ft.) security perimeter around the machine, when in operation. Keep all other people, and especially children and pets, away from the wrapping area. Failure to do so may cause serious, and even deadly, injuries.

Basic Safety Guidelines



Danger!

Never allow anyone to walk on the front tailgate or on the machine while it is operating.

Climbing on the machine may lead to serious injury, even death. It is one of the primary causes of accidents related to its use.



Before starting the wrapper:

- Locate and understand all warning labels on the wrapper.
- Know how to stop your wrapper in the case of an emergency.
- Ensure that all the controls are in neutral before starting the engine.
- Remove any flammable material (hay, straw or other residue) near the engine.
- Remove any hay that is stuck or has collected in the moving parts to ensure that they can move freely.
- Immediately replace any defective or worn parts.



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NOTE: See chapter 5 (Common adjustments) for a complete description of the required maintenance and adjustments.

While operating the wrapper:

- Keep your hands and feet away from the hoop, pusher, chains, gears and other moving parts.
- Wear protective clothing. Avoid scarves and loose clothing (pants, shirts or coats) that can easily get stuck in moving parts.
- Wear suitable hearing protection. This will reduce the risk of partial or total hearing loss from continued exposure to noise from the wrapper.
- Use a mask approved for working in dusty conditions.
- If you are working in the evening or at night, ensure that the lighting is sufficient to operate in complete safety.
- Keep a working fire extinguisher handy.
- Always leave protective screens and other safety devices in place. 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:

- Turn off the engine.
- Remove the key from the ignition to ensure that the engine cannot start accidentally while you are working.
- 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.
- Chock the wheels if you need to work under the machine.

Handling fuel

Because gasoline is highly flammable, it must be stored in an approved container and handled carefully when you are filling the tank. Once the tank is full, put the cap back on and tighten it firmly. Then wipe up any gas that may have been spilled. Never refuel when the engine is hot or running. Always have a working fire extinguisher near the wrapping area.

Hydraulic oil handling

Hydraulic fluid is a flammable substance. Keep it in an approved container and always be careful when filling the tank. Once the tank is full, put the cap back on and tighten it firmly. Then wipe up any oil that may have been spilled.

Never refuel when the engine is hot or running. Always have a working fire extinguisher near the wrapping area.



Should any hydraulic oil penetrate your skin, quickly consult a doctor who is familiar with this type of injury. Left untreated, such an injury can result in serious complications or even require amputation.

Storing the wrapper

At the end of each working day, close the stop fuel valve located under the choke on the right-hand side of the engine (Figure 4). This is particularly important before a long period of storage.



Figure 4 — Closing the Fuel Valve

Moving the wrapper

When driving on the road, comply with all local identification and lighting regulations. We recommend you always attach the safety chains to the point of attachment between the machine and your vehicle and lock the connecting pin with a locking pin.

2.1 Safety Labels

The following table shows the labels found on the wrapper and explains their meaning.



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Table 5 — Safety Labels on the Wrapper

Label	Meaning
	Never stand on the wrapper or allow anyone using the wrapper to stand on it.
	Emergency hydraulic shut-off.
	Warning! Before doing any maintenance or repairs, turn off the engine, remove the key from the ignition, and refer to "Maintenance and advanced adjustments" Weighing28.
	Important! Ensure that the battery is at least 12 V before using the wrapper.
	Warning! Carefully read and understand the contents of the operator's manual before using the machine.

Label	Meaning
	Important! Use AW 32 hydraulic oil.
	Risk of being caught in the drive chains. Keep your hands and other body parts away from the moving parts of the wrapper.
	Risk of being caught or crushed by the machine when it is operating. Stay more than 5 meters away from the wrapper when it is operating.
	Falling hazard. Never allow anyone to climb on the front tailgate.
	Risk of being caught or crushed by the stretchers (moving parts). Remain at a safe distance from the stretchers.

3 Preparation and start-up

3.1 Before you start

Before you start wrapping, make sure that:

- The hydraulic oil tank is full. The oil level should be 5 cm (2 in.) from the cap (Figure 5 — Oil Level in the Hydraulic Tank). Add **AW 32** or **AW 46** hydraulic oil to the tank if needed.
- There is enough fuel.
- The wrapper is well lubricated (see section 6.2).
- There is enough engine oil (Figure 6 — Location of the Engine Oil Gauge).

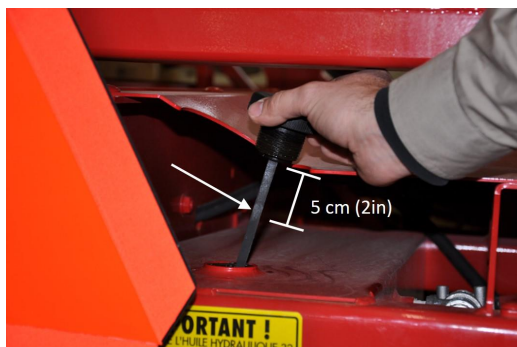


Figure 5 — Oil Level in the Hydraulic Tank



Figure 6 — Location of the Engine Oil Gauge

3.2 Choosing a site

Choose a place to make the bale tube that is:

- 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 needed, mow the area or treat it with herbicide (Roundup) to keep

rodents away during the winter and prevent them from damaging the plastic film.

NOTE: If the ground has a slight slope, begin wrapping your bale tube at the bottom of the slope. Back your wrapper up the hill. Your bale tube will be more compressed and will contain less air.

3.3 Starting the engine

To start the engine:

1. Close the safety guard (Figure 1), pull the emergency stop button (Figure 2) and turn the engine key to **ON**. The engine will not start if the guard (right side) is open, if the emergency stop button is activated or if the engine key is at **OFF**.
2. Push the green start button on the control panel (Figure 2) or turn the engine key to **Start**.

NOTE: If you are starting it for the first time that day (a cold start), you will have to use the choke. See the engine manual for instructions.

3.4 Moving the wrapper

You will probably have to move your wrapper to the place where the bale tubes will be stored. When moving your wrapper, follow all the safety guidelines and recommendations in this section.

NOTE: Before positioning your wrapper where the bale tube will start, determine the location of each tube and leave enough space to create them. You must also leave enough space to access any bale tube at any time and take silage bales. In addition, make sure to leave enough room between the bale tubes to remove bales without damaging the plastic film on nearby bale tubes.



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Moving the wrapper safely



Danger!

Regardless of how the wrapper is moved, nobody should be on the machine.

Ensure that no people or animals are within 5 metres (15 feet) of the wrapper before it is moved.



Attention!

Before moving the machine, lift the front of the wrapper with the pivoting axle.

Locking the steering during transport

Before towing the wrapper, straighten its steering. Then keep it from moving by inserting and locking the pin in place (following figure).



Figure 7 — Locking the Steering Before Towing

Moving the wrapper short distances

Your wrapper can travel short distances (several hundred metres) on its own.

To move the wrapper using its own traction system:

1. Close the guard (Figure 1) and pull the emergency stop button (Figure 1). Figure 1 Figure 2 The engine will not start if the guard is open or the emergency button is pushed in.
2. Start the engine by pressing the start button.
3. Use the engine speed control lever to operate the engine at full speed (see the following figure).

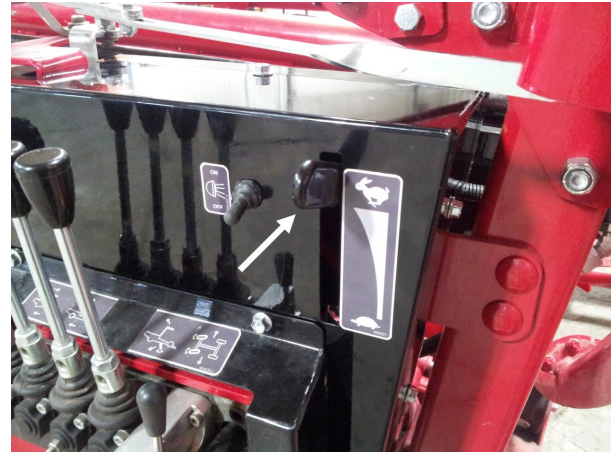


Figure 8 — Engine Speed Control Lever

4. Move the selector valve lever to the moving position (Figure 2).
5. Use the hydraulic controls to move the wrapper with the front traction (to move forward or backward) and direction levers (to turn) (Figure 2).

Moving the wrapper medium distances

You can hitch your wrapper to a tractor or truck to move it less than 50 km.



Attention!

Do not tow the wrapper behind a tractor or truck for more than 50 km. This will result in premature wear on parts such as bearings and tires. To transport it over longer distances, put the wrapper on a trailer.

To move the wrapper with a tractor or truck:

1. Ensure that the ball valve on the front tailgate is open.
2. Lift the wrapper by operating the pivoting axle lever (Figure 2) and hitch the tongue to the tractor or truck (Figure 9).



Figure 9 — Tongue



Attention!

During transport, the front wheels of the machine should not touch the ground.

3. Attach safety chains to the safety ring on the tongue and one of the safety devices on your tractor or truck.



Attention!

A safety chain must be used to prevent your wrapper from causing an accident if it comes loose.

4. Close the ball valve on the front tailgate to prevent it from moving when the axle control is operated.
5. Attach the safety lock to the front tailgate and the frame.
6. Centre the rear wheels using the sticker and the pointer (following figure).
7. Insert the pin to completely lock the steering during transport (following figure).

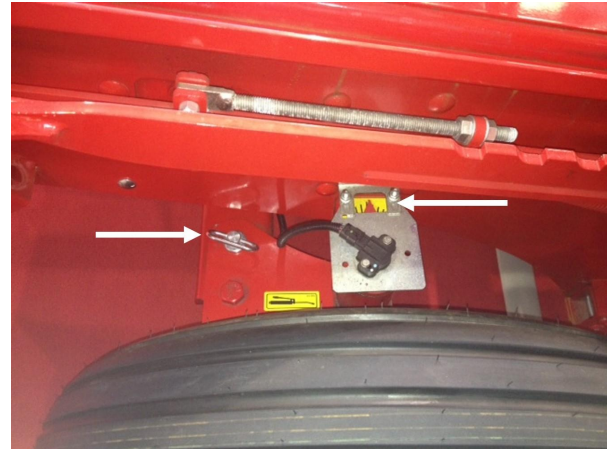


Figure 10 — Sticker



Danger!

Turn off the engine before moving the wrapper.



Attention!

Close the fuel shutoff valve before moving the wrapper. If the valve stays open, fuel can get into the cylinder and flood the engine.

Storing the tongue

To store the tongue:

1. Pull out the pin that secures the tongue to the front of the wrapper.
2. Pull out the tongue.
3. Insert the tongue in its storage space on the left side of the wrapper, in front of the rear wheel (Figure 11).
4. Insert the pin to hold the tongue in its storage space.



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Figure 11 — Storing the Tongue

3.5 Installing the plastic film rolls

The wrapper has two plastic film rolls for wrapping the bale tube. You should always put on two new rolls of plastic film. They will run out at the same rate, and you can replace 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 compression bales and first wrapped bale on the wrapper when the plastic film is not yet attached to the hook. We recommend installing the plastic rolls without attaching the film, loading the bales and then attaching your film to the hook (Figure 16).

Accessing the roll supports



Always turn off the engine before opening the guard.

Attention!

To reach the plastic film roll supports:

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 and slide it towards the rear of the wrapper (Figure 12). The safety guard is now unlocked.
2. Slightly lower the safety guard and slide it all the way to the front to access the rolls (Figure 12).

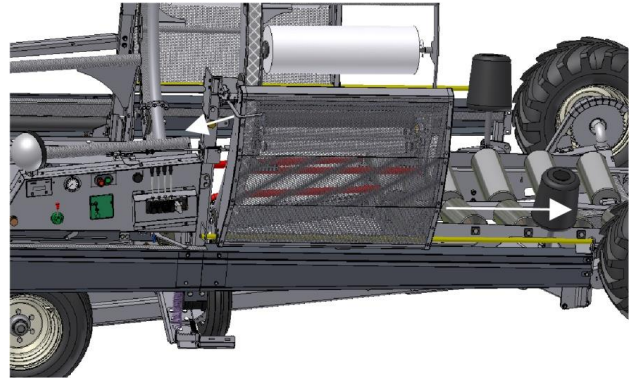


Figure 12 — Safety Guard Lock

3. If the supports for one of the rolls are not at the right height, disengage the hoop brake (see Figure 13) and manually turn the hoop upward to bring the supports into reach.

NOTE: You can also move the hoop without completely disengaging the brake. Just step on the pedal to lower the brake group and turn the hoop in either direction.

Installing the first roll of plastic film

To install the first roll of film:

1. Step on the hoop brake pedal to activate the brake (Figure 13). This eliminates the risk of the hoop turning during installation.

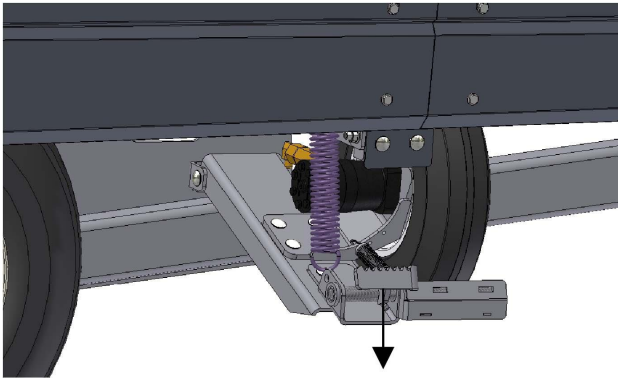


Figure 13 — Brake Pedal

2. Pull on the roll lock (knob) to disengage the front plastic film support (Figure 14). Then slide the support forward and, if applicable, remove the empty roll.



Figure 14 — Plastic Film Roll Supports

NOTE: The rollers of the stretcher should always be clean and should turn freely to keep the plastic film from jamming or tearing.

If needed, see section 6.4 to learn how to clean and maintain the stretcher rolls.

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

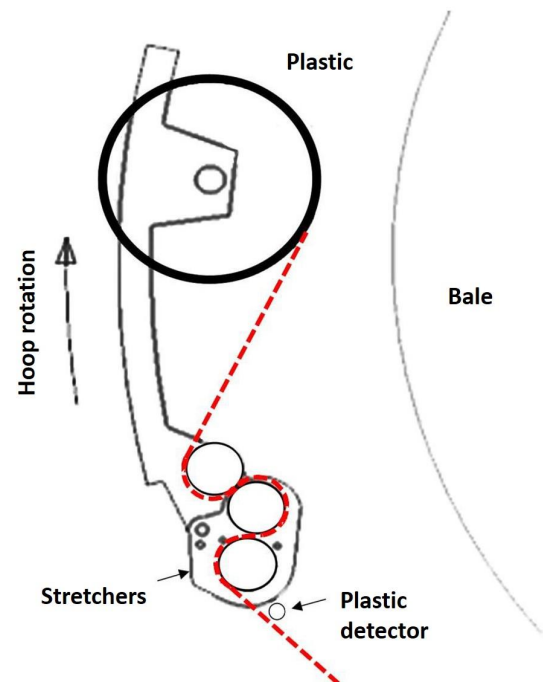


Figure 15 — Installing the Plastic Film

4. Repositioning the film roll supports
5. Insert the film between the rollers of the stretcher (see Figure 15). Roll it first around the movable black rubber roller and then between the two aluminum rollers.
6. If your wrapper has with a plastic watch (see section 9.2 for more information about this option), the film should be rolled around the plastic watch as well (Figure 15).
7. Pull on the plastic film until you have enough to tie a knot at the end. Attach the film to the hook on the bale guide as shown in the image below. For this step, you need to have placed a bale that is ready to be wrapped on the machine (see section 4.4).



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Figure 16 — Attaching the Plastic Film

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

Installing the second plastic film roll

To install the other film rolls:

1. Turn the hoop to access the supports for the second roll.
 - Release the brake on the hoop wheel.
 - Put the hoop speed control to the position 0.
 - Place the manual control lever for the hoop in rear position to put it in manual mode.
 - Deactivate the plastic watch by placing the lever in the Off position.
 - Start the engine and put it in slow.
 - Increase the speed of the hoop to turn it about half a turn so you can reach the supports for the second film roll.
 - Stop the hoop using the manual hoop control lever.
 - Turn off the engine.
2. Repeat the steps for installing the first roll of film, and make sure to put the safety guard back in place and lock it once you are done.



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4 Wrapping the bale tube

This section describes the method recommended by Anderson Group to wrap a bale tube. The steps you must follow are:

1. Adjustments
2. Levelling the wrapper
3. Placing the compression bales
4. Putting the first wrapped bale in a bag
5. Wrapping the bale tube
6. Ending the bale tube

This section also describes several tasks that may be necessary when wrapping the bale tube. You will learn how to orient the bale tube to avoid obstacles (section 4.7) and how to wrap a bale tube with only one film roll when one of the two rolls is empty (section 4.6).

4.1 Adjustments

To create a bale tube that works for your bales and wrapping preferences, you will need to make various adjustments. These adjustments can be modified at any time during the wrapping process to adapt the wrapper to fit your needs.

NOTE: See Chapter 5 to learn how to make these adjustments.

You can adjust the following components:

- Bale size (bale guides)
- Roller guide
- Adjusting the pusher return (end of pushing)
- Hoop starting point
- Push rod height
- Bale tube compression
- Number of plastic layers

4.2 Levelling the wrapper

Level the wrapper to prevent the first bales placed on the machine from sliding forward.

To level the wrapper:

1. Start the engine.
2. Level the front of the wrapper using the pivoting axle.

4.3 Placing the compression bales

For good-quality silage, the bale tube must contain as little air as possible. When wrapping the first bale in the tube, use other bales to compress the tube and force the air out

(one bale for bales 1.52 m (5 ft.) in diameter, and two bales for bales 1.2 m (4 ft.) in diameter). These bales are not wrapped at the beginning of the cycle. They are pushed to the ground by the other bales that have been wrapped. You need to collect them and put them back on the wrapper so they are included in the tube.

To place your compression bales:

1. Set the control lever for the wrapper speed to 0 (Figure 2) to prevent the hoop from turning.
2. Place the bale on the wrapper platform, being careful to place it horizontally and aligned with the pusher. Allow the pusher to return to its home position, without wrapping the bale. For bales that are 1.2 m (4 ft.) in diameter, put a second bale on and let the pusher come back to the home position (Figure 17) without wrapping the bale.

NOTE: Each time you put a bale on the trigger (Figure 1), the pusher starts and the bale moves forward. These first bales are just used to compress the upcoming tube. You will wrap them later.



Figure 17 — Compression Bales

4.4 Putting the first wrapped bale in a bag

To make sure the bale tube is airtight, the first bale must first be packed in a bag. To prepare the first bale in the tube:

1. Slowly lower the front of the machine to the ground by raising the pivoting axle. Go slowly to keep the bales that are already in place from



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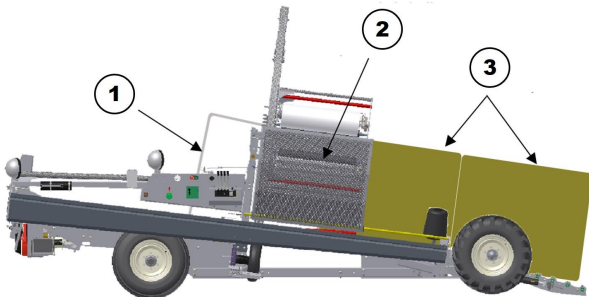
- moving too much.
2. Move the selector valve lever to the **wrapping** position (Figure 2).
3. Set the control lever for the wrapper speed to **0** (Figure 2) to prevent the hoop from turning.
4. Press the hydraulic bypass valve (Figure 2) to keep the pusher from activating when you place the first bale to be wrapped.
5. Take a bale and cover it completely with a plastic bag for wrapping. 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 on the trigger with the open end of the bag facing the rear.



Attention!

Be careful to avoid piercing the bag when moving the bale and placing it on the wrapper.

7. Pull on the hydraulic stop to start the pusher cycle.



1	Wrapped bale (open end of bag)
2	End of the bale on the spears (closed end of bag)
3	Compression bales

Figure 18 — Wrapping the First Bale

8. When the bale reaches the middle of the spears (Figure 1), start wrapping:
 - Push the hydraulic bypass to stop the pusher.
 - Deactivate the pusher (Figure 22).
 - Pull on the ends of the plastic film and attach them to the hooks on the immobile part of the hoop (see Figure 16 to learn how to install the plastic film).
 - Be sure that the manual hoop lever is in the rear position.
 - Pull on the hydraulic stop knob. Nothing should move.

- Using the control lever for the speed of the hoop, slowly turn the hoop and apply at least two layers of plastic film.
- Push the hydraulic bypass.
- Reactivate the pusher (Figure 22).
- Set the hoop speed lever to **8**.
- Pull on the hydraulic stop button. The pusher will complete its cycle and the hoop will automatically start to wrap.

NOTE:

If the adjustment for the return of the pusher is used with 1.2 m (4 ft.) bales (see Table 6), the pusher will stop its cycle when 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 hoop control.

4.5 Wrapping the bale tube

When the first wrapped bale reaches the end of the pusher travel and the pusher returns to the stopped position, begin the automatic bale wrapping process. To do so:

1. Ensure that the wrapper is ready to begin wrapping:
 - The two rolls of plastic wrap have been installed (see section 3.5).
 - The selector valve is in the wrapping position.
 - The manual hoop control lever is in forward position (automatic operation mode).
 - The hydraulic stop button and emergency stop button are out.
 - The pin at the base of the front tailgate cylinder is in the middle of the elongated opening to help the tailgate adjust to irregular terrain.
2. Adjust the wrapping speed by setting the wrap speed lever to **8** (this will result in approximately 6 layers of plastic). The machine is now ready to begin wrapping.
3. Place bales on the automatic trigger one by one. Let the wrapper complete one full push/return cycle between each bale.

NOTE: If needed, you can interrupt the wrapping process to make adjustments (see chapter 5 (Common adjustments)) or change the direction of the wrapper (see section 4.7) to avoid obstacles and align the bale tube.

4.6 Wrapping a bale with only one roll of plastic film

NOTE: Even if both plastic film rolls were installed at the same time and have the same length of plastic, one roll can sometimes run out before the other. You can replace the rolls or finish wrapping the bale with a single roll of plastic film.

To finish wrapping with only one roll of plastic:

1. If your wrapper has a plastic watch, deactivate it by placing it in the **OFF** position (see section 9.2).



Figure 19 — Deactivating the Plastic Watch

2. Increase the speed of the hoop. For example, if the hoop speed controller is set to **8**, increase it to the maximum speed (**10**). The wrapper will use twice as much plastic film from one roll to compensate for the other roll being empty.
3. If the second roll is empty once this bale is finished, pull on the hydraulic bypass to end the wrapping cycle (Figure 2).



Since the plastic watch is deactivated, you have watch for when the second roll runs out of film.

OR

If the second roll of plastic is not yet empty, you can place another bale on the wrapper and wrap it as well. Repeat with another bale if there is still film on the roll.

NOTE: If you replaced both rolls at the same time, you should not have to wrap more than two bales manually.

4. Once the second roll is empty, replace both rolls of film (see section 3.5) and reactivate the plastic watch (see section 9.2), if your wrapper is equipped with this option.

4.7 Changing the direction of the bale tube

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



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4.8 Ending the bale tube

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

Preparing to finish the bale tube

1. Before putting the last bale on the wrapper, set the stopper for the pusher to the wrapper's highest position (Figure 20). The last bale of the tube will be pushed further than the X-Tractor system.

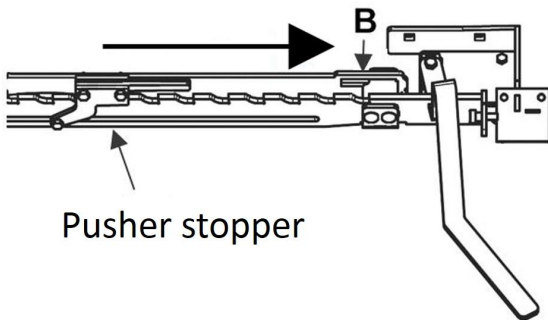


Figure 20 — Adjusting the Stopper for the Pusher

2. Put the last bale to be wrapped into the bale bag and put it on the wrapper, the open end facing the rear of the wrapper. Allow the automatic cycle to end. The bale should be at the end of the pusher (Figure 21).

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.

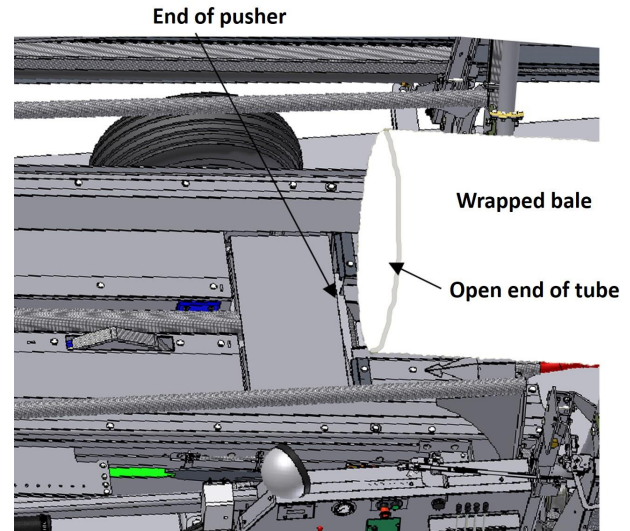


Figure 21 — Position of the Last Bale

3. Raise the engine throttle to run the engine at maximum speed.
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.



Attention!

Make sure that the last bale is not on the X-Tractor system before activating it. The X-Tractor system can then leave the platform without hitting the bale. This will prevent damage to the system cylinder.

Finishing wrapping the bale tube with the X-Tractor system

Proceed as follows:

1. Activate the pusher cylinder on the X-Tractor system with the control lever.
2. When the pusher on the X-Tractor system touches the bale, manually activate the hoop with the lever to wrap the last bale.
3. Once the last bale is completely wrapped, stop the X-Tractor system and hoop. Stop the hoop when the stretcher is level with or slightly above the safety guard so you can easily cut the plastic film.
4. Cut the plastic film on each stretcher at the plastic watch. This will prevent you from having to feed

the film through the rollers when you start the next bale tube.

Completely unloading the bale tube

1. Once the plastic film has been cut, activate the X-Tractor system until all the bales have been completely unloaded from the wrapper.
2. Retract the X-Tractor so that it returns to its home position.
3. Back up the wrapper (see section 3.4) so that you can close the bale tube without having to climb up on the wrapper.

Closing the end of the bale tube by hand

Once the bale tube is complete and free of the wrapper, close the end of the bale tube finishing bag tightly. If the bag is sealed, the fermentation process will begin and the bag will inflate after about 20 to 30 minutes.

If the bag does not inflate, it is not sealed. Find and repair the leak.

Deactivating the pusher

You can deactivate the pusher if you need to change plastic film rolls when a bale is on the pusher trigger. You will be able to turn the hoop independently. To do this, just turn off the ball valve located at the rear of wrapper near the hydraulic oil tank. The pusher will then be deactivated. See the following figure.

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

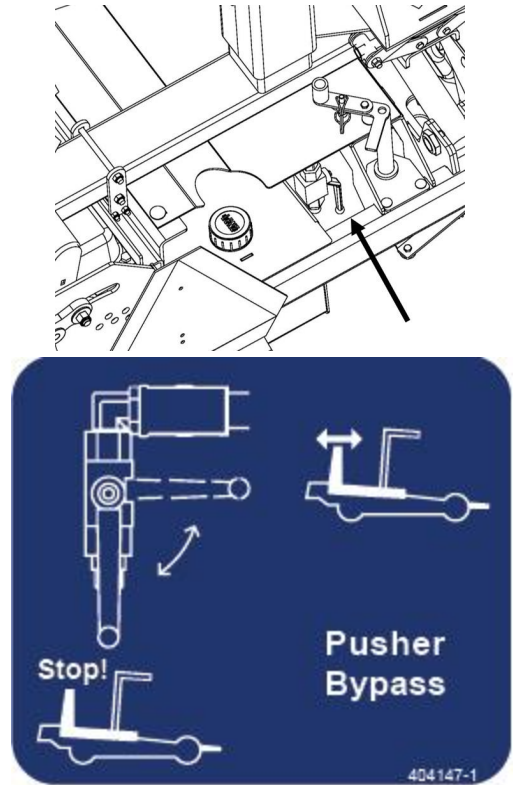


Figure 22 — Deactivating the Pusher

5 Common adjustments

To create a bale tube that works for your bales and wrapping preferences, you will need to make various adjustments. These adjustments can be modified at any time during the wrapping process to adapt the wrapper to fit your needs. You can adjust the following components:

- Bale size (bale guides)
- Roller guide
- Adjusting the pusher return (end of pushing)
- Hoop starting point
- Push rod height
- Bale tube compression
- Number of plastic layers

5.1 Bale size (bale guides)

The bale guides keep your bales aligned properly during the pushing cycle. Adjust the bale guides to the size of the bales to be wrapped.

1. Lift the locks on the ends of the bale guides.

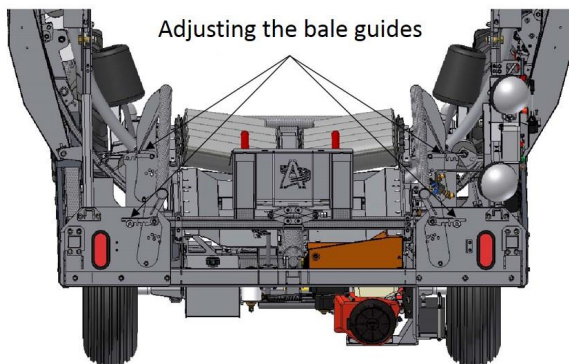


Figure 23 — Adjusting the Bale Guides

2. Place the bale guides in the appropriate position for the diameter of bales you are wrapping. Use the outer position for larger bales (1.7 m), the centre position for medium bales and the inside position for smaller bales (1.2 m).



Attention!

Place both bale guides in the same position.



Right side bale guide



Left side bale guide

Figure 24 — Position of the Bale Guides

3. Put the locks back on the ends in the correct positions.

5.2 Roller guide

Guide rollers guide the wrapped bales as they leave the wrapper. Generally, the guide rollers are adjusted to be as close together as possible. The bale tube will thus exit the wrapper as tight and centred as possible. Both guides should be adjusted to the same position on each side of the wrapper.

If the bale tube has a larger diameter, you can increase the distance between the two guide rollers to leave more space for the bale tube to move. The two guide rollers can also be put in different positions. This can be necessary when the wrapper is on uneven ground, for example.



Attention!

Ensure that the bale tube does not rub against the wheels. This would cause damage to the wrapper.

To adjust the guide rollers:

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

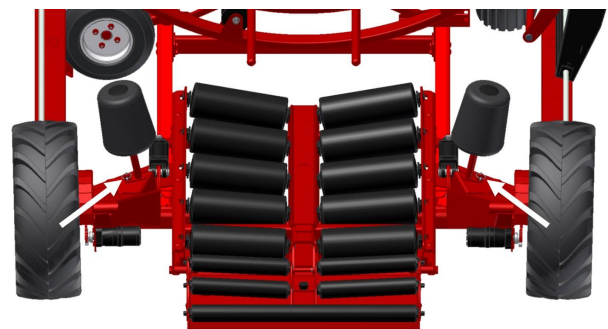


Figure 25 — Adjusting the Guide Rollers

2. Place the roller in the desired position and put the pin back in to hold the roller in place.
3. If needed, repeat for the other guide roller.



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5.3 Adjusting the pusher return (end of pushing)

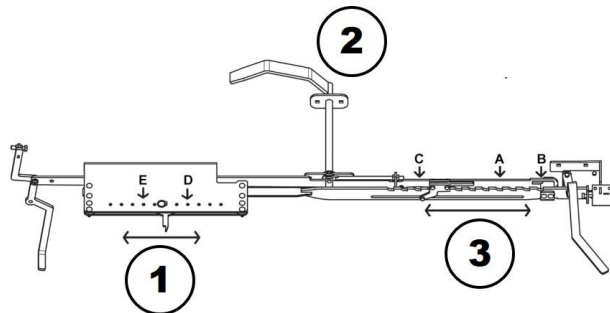
Adjusting the stopper will determine at what moment the pusher will stop and return to its home position. Generally, you should place the stopper according to recommendations in Table 6 (see also Figure 26). These adjustments should give you enough space to load the next bale on the wrapper. However, the pusher may sink into the bales depending on bale density. If needed, adjust the limit of the stopper to give you enough space to load the next bale.

To make the pusher come back earlier, move the stopper toward the rear.

To make the pusher come back later, move the stopper toward the front.

Table 6 — Suggested Settings (Position of the Pusher Return Stopper)

Round bale size	Setting
1.2 m (4 ft.)	Position A
1.52 m (5 ft.)	Position B



1	Hoop starting point
2	Automatic trigger
3	Pusher return

Figure 26 — Adjusting the Automatic System (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.

In general, you must adjust the hoop starting point so it starts turning when the pushed bale is approximately 5 cm (2 in.) from the preceding bale (see Table 7 and Figure 26).

To make the hoop start turning earlier, move the pointer toward the rear.

To make the hoop start turning later, move the pointer toward the front.

NOTE: For round bales of 1.2 m (4 ft.): You can also add one or two additional layers of film to the junction of the bales. You will have a more airtight and solid bale tube without having to add plastic film everywhere. To do so, move the pointer toward the rear.

Table 7 — Suggested Settings (Position of the Pointer to Start the Hoop)

Round bale size	Setting
1.2 m (4 ft.)	Position D
1.5 m (5 ft.)	Position E



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5.5 Push rod height

In general, the pusher should be as low as possible to make it easier to load bales with the tractor.

However, if the hay bales are not dense enough, the pusher may sink into the bales. Raise the pusher to increase the surface of contact between the pusher and the bale and thus reduce this sinking effect.

To raise the pusher:

1. Unscrew two of the bolts that hold the pusher plate in place (see the following figure).
2. Insert these bolts into the holes on the side of the stationary part of the pusher so they support the plate.
3. Unscrew the two other bolts.
4. Raise the plate and place the two bolts you just removed from the side of the stationary part of the pusher to hold the plate in its new position.
5. Put the bolts back in their new positions, two by two, and tighten them all.

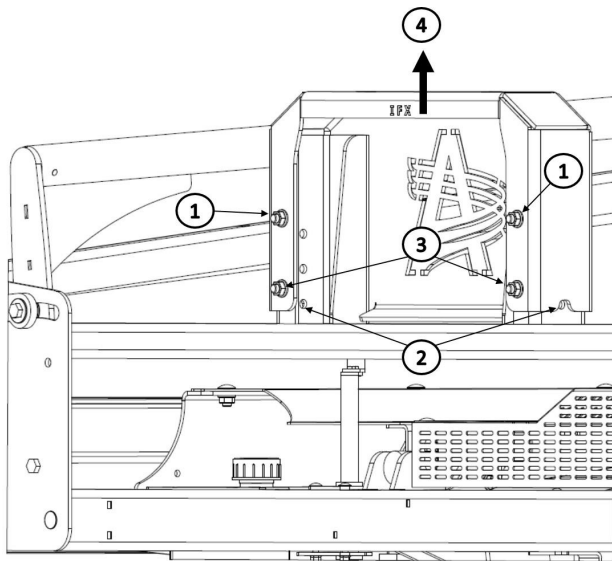


Figure 27 — Adjusting the Pusher Height

5.6 Bale tube compression

You can change the level of compression for the bale tube using the hydraulic brake. The hydraulic brake locks the front wheels, compressing the bale tube. This will minimize the air pockets between the bales. As the bale tube becomes heavier, the hydraulic brake pressure can be increased more or less based on the density of the bales and the slope of the terrain.



Attention!

At the beginning of the bale tube, the brake pressure must be moderated to keep the bale tube from sliding on the ground. This could damage the plastic film.

To modify the pressure on the hydraulic brake, tighten the knob on the control panel (Figure 2). The pressure should be between 500 and 1,000 psi on the wrapper's pressure gauge.

5.7 Number of plastic layers

You can adjust the number of layers of plastic film using the wrapping speed control. As there are two rolls of film, every complete turn of the hoop represents two layers of film. We recommend setting the wrapping speed lever to **8** for 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. For an exact number, count the layers of plastic film on the bale tube.

You should not use fewer than five layers of film, which would make the bale tube too fragile.

To increase the number of layers of film, put the wrapping speed control lever to a higher number.

To decrease the number of layers of film, put the wrapping speed control lever to a lower number.

6 Maintenance and advanced adjustments

This section explains how to maintain and adjust your wrapper to keep it running smoothly and prevent premature wear and tear.



Danger!

Before doing any maintenance or repairs on your machine, remove the key from the ignition and put it in the black plastic box on the side of the wrapper. Then lock the box with a combination lock. This will make sure the engine does not start accidentally.



Danger!

During maintenance, it is important to follow standard safety rules. See chapter 2 (Safety precautions) to learn these rules.



Attention!

It is important to follow the maintenance and repair schedule. See Section Maintenance and Adjustment Schedule for the required maintenance and repairs, as well as their frequency.

For maintenance and adjustments on the Honda engine, see the user guide provided by the manufacturer.

6.1 Maintenance and Adjustment Schedule

The following table indicates the recommended frequency for each type of maintenance and adjustment.

Table 8 — Recommended Schedule for Maintenance and Adjustments

Maintenance and adjustments	Frequency	See section
Lubrication	Every 200 bales	Lubrication
Greasing points	Every 200 bales	Greasing points
Cleaning	Every day or more often, if needed	Cleaning

Maintenance and adjustments	Frequency	See section
Changing the hydraulic oil	Every 15,000 bales	"Changing the hydraulic oil" Weighing31
Replacing the hydraulic oil filter	Every 15,000 bales	"Replacing the hydraulic oil filter" Weighing31
Checking the wheels and tires	Annually	Checking the wheels and tires
Checking the stretchers	Annually	Checking the stretchers
Maintenance and advanced adjustments	Only when troubleshooting the wrapper	Advanced adjustments

6.2 Lubrication

You must lubricate your wrapper with oil in the following places:



Figure 28 — Lubrication Points



Figure 29 — Traction Chain



Figure 30 — Engine Speed Control



Figure 31 — Engine Speed Control



Figure 32 — Hoop Activator



Figure 33 — Automatic System



Figure 34 — Pusher Rails



Attention!

Do not grease the two square tubes that are used as guide rails for the pusher; they have been greased at the factory. Greasing them could attract dust and prevent the pusher from sliding.

Instead, lubricate these tubes with new oil where indicated by a label, as well as the part of the tubes located in the rear when the pusher is forward.

6.3 Greasing points

After every 200 bales, you should grease your wrapper with a grease gun in the following places:

NOTE: We recommend you use **synthetic grease**.



Figure 35 — Greasing Point

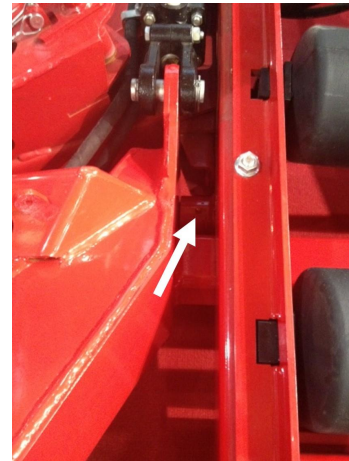


Figure 36 — Two Front Axles

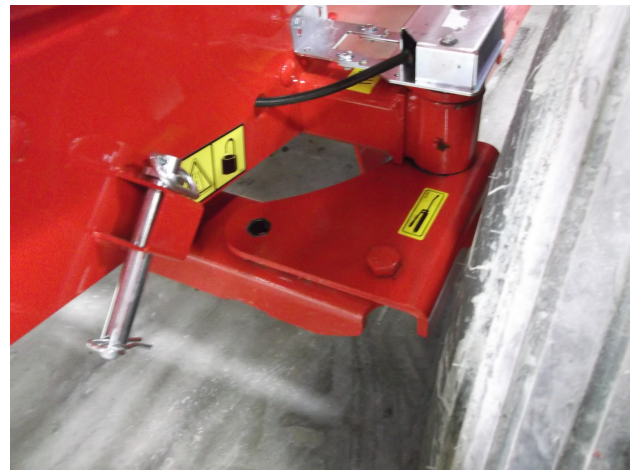


Figure 37 — Two Rear Axles



Figure 38 — Stretcher Gears



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6.4 Cleaning

Front traction sprockets

After every day of wrapping, remove any hay stuck in the traction shafts or gears. This will prevent unnecessary strain on the hydraulic engines.

Engine

Remove any flammable material near the engine. Regularly dust the air filter at the front of the engine.

Rollers

Always keep the stretcher rollers and rubber roller clean and free of hay or debris. This will prevent these parts or the gears from jamming, breaking, or tearing the plastic film.

If the rollers are clean but are not turning freely, lubricate the moving parts with an all-purpose antifriction lubricant (e.g. ProLab PL-100).

6.5 Changing the hydraulic oil

The hydraulic oil must be changed after every 15,000 bales.

- Oil type to use: ISO 32
- Oil quantity: 40 L (10 US gal.)

6.6 Replacing the hydraulic oil filter

Replace the oil filter after every 15,000 bales.

NOTE: The filter is located at the hydraulic oil tank inlet.

6.7 Checking the wheels and tires

For safe operation, it is recommended that you check the tire pressure every year. See Table 4 for the recommended pressure for each type of tire.

Frequently check that the bolts on the four wheel rims on your wrapper are tight. Tighten them as needed.

6.8 Checking the stretchers

Generally, the stretchers do not require any maintenance. If they are not working correctly, check the rollers (see Cleaning). It is also recommended that you check the stretchiness of the plastic annually.

Stretcher test

To test the stretchers:

1. Using a marker, draw two horizontal lines 25 cm (10 in.) apart on the plastic film roll.

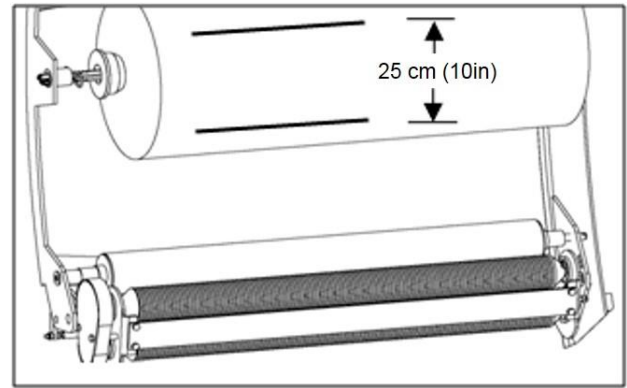


Figure 39 — Stretchers

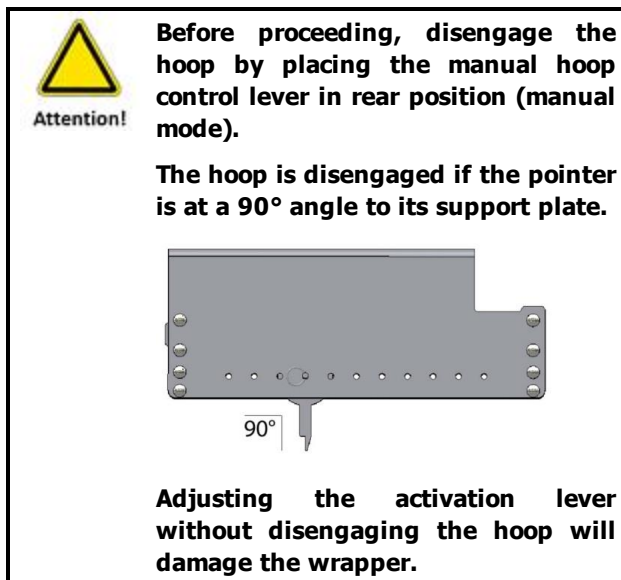
2. Wrap a bale normally by making two revolutions of the hoop.
3. Measure the distance between the lines on the bale. If the distance is between 38 cm (15 in.) +/- 1 cm (0.5 in.), the stretcher is working properly. If the distance is not within this range, clean the rollers.
4. Repeat the same test for the other stretcher.

6.9 Advanced adjustments

This section describes the adjustments that may be necessary when troubleshooting the wrapper.

Adjusting the hoop activation lever

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



To adjust the hoop activation lever:

1. Put the pusher travel stopper in the seventh position from the rear of the wrapper (Figure 40).

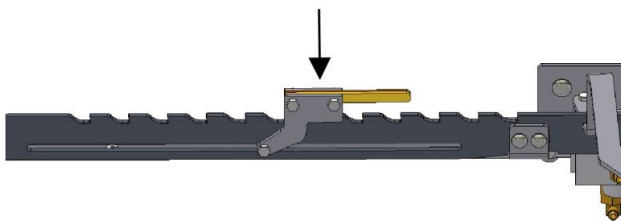


Figure 40 — Adjusting the Hoop Activation (Pusher Return Stopper)

2. On the control panel, set the hoop speed control to 0 and push the **hydraulic stop** button (Figure 2).
3. Position the pointer and hoop activation lever as shown in Advanced adjustments:
 - Push the pointer all the way to the front of the machine. It should form a 45° angle (Figure 41).

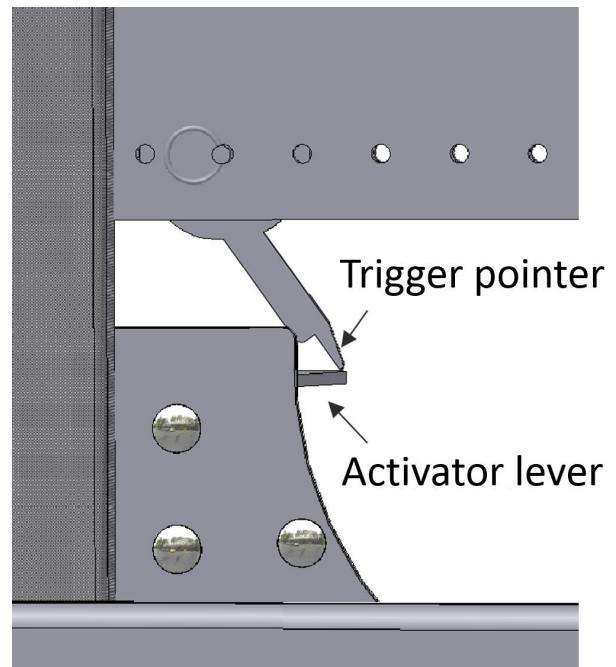


Figure 41 — Adjusting the Hoop Activation Lever (Position of the Activation Lever)

- Start the engine.
- Push the pusher's manual start (Figure 42).

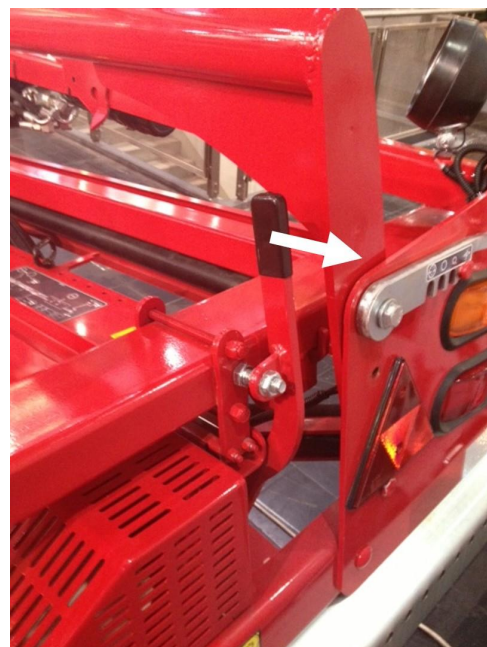


Figure 42 — Adjusting the Control for the Hoop (Manual Start of the Pusher)



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- Move near the wrapper so you can see the pointer and activation lever.
 - Pull on the hydraulic stop knob. The pusher will move forward. Push the hydraulic stop button when the hoop activation lever is in front of the tip of the pointer (Figure 41).
 - Turn off the engine.
4. Slightly loosen the bolts that secure the hoop activation lever to its support. Then adjust the position of the lever so it lightly touches the pointer (Figure 43).

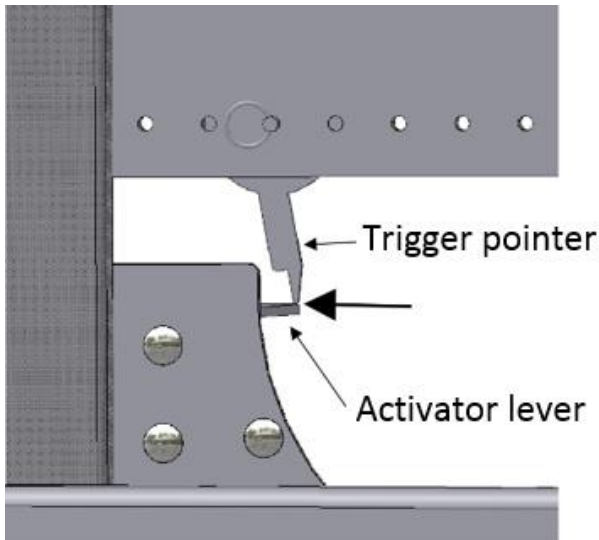


Figure 43 — Adjusting the Hoop Activation Lever (Adjusting the Activation Lever)

The hoop activation lever has now been 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 necessary if the pusher cannot be activated automatically by the automatic trigger.

Place the pusher bar over the trigger.

To move the pusher bar to adjust the pusher trigger:

1. Turn the hoop speed control to **0**.
2. Push the emergency stop button.
3. Start the engine.
4. Push the pusher's manual start (Figure 42).
5. Move to a position where you can see the trigger and the pusher bar at the same time (Figure 44).
6. Pull on the hydraulic stop knob. Let the pusher complete a forward pushing cycle. When it

returns, push on the hydraulic stop button when the pusher bar arrives above the trigger (Figure 44).

7. Turn off the engine.

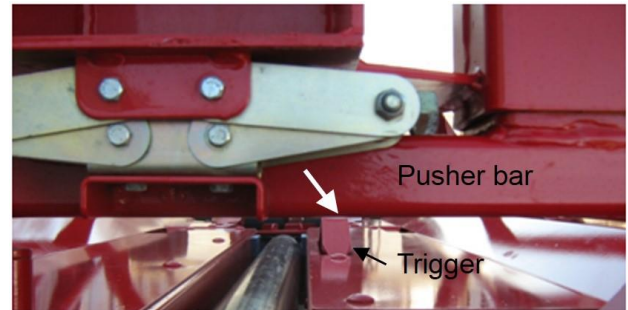


Figure 44 — Adjusting the Pusher Trigger

Adjusting the height of the trigger

To adjust the space between the pusher bar and automatic trigger ():

1. Unscrew or screw in the two bolts (Figure 45), depending on whether you need to move the automatic trigger up or down (Figure 44).
2. Make sure the automatic trigger is lightly touching the pusher bar (Figure 44).



Figure 45 — Adjusting the Pusher Trigger (nuts)

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

Adjusting the travel limit

This adjustment is only necessary when the engine continues to strain, as if the pusher had not reached the travel limit, when it is all the way back. This can happen when the pusher travel limit has been used for many years. To adjust the travel limit:

1. Stop the engine and push the emergency stop button and the hydraulic stop button.
2. With the bolts, **slightly** widen the space shown in Figure 46. The space should be about 2.5 cm (1 in.).

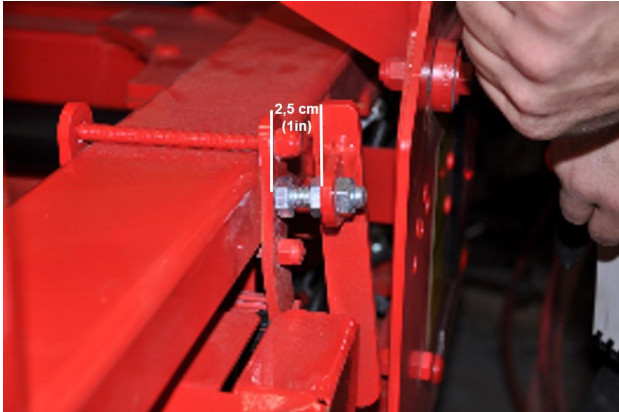


Figure 46 — Adjusting the Pusher Travel Limit

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 persists, repeat the steps to add even more space.

Adjusting the automatic system

This adjustment can be necessary if the hoop does not stop when the pusher comes back, or if the hoop stops but the pusher does not come back.

To adjust the automatic system:

1. Stop the engine and push the emergency stop button and the hydraulic stop button.
2. Pull the pusher's manual start (Figure 47). **Do not start the engine.**



Figure 47 — Adjusting the Automatic System (Manual Start of the Pusher)

3. Push the manual hoop control lever to the rear of the wrapper to completely extract the valve spool.
4. The push the lever to the front of the wrapper until the plate very lightly touches the end of the slot, but without moving it (Figure 48).

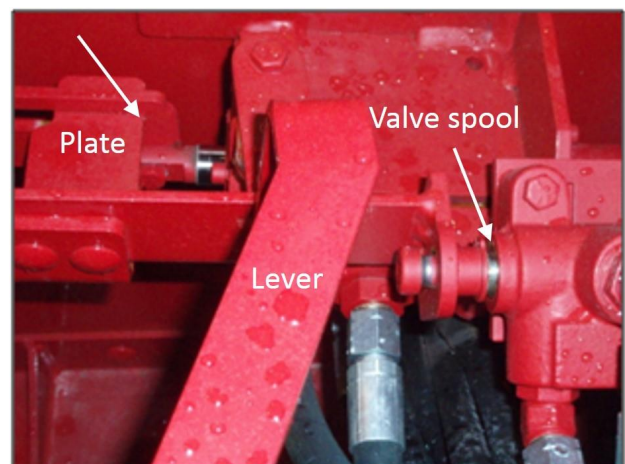


Figure 48 — Adjusting the Automatic System (Position of the Valve Spool)

5. Measure the distance between the snap ring and the valve body. If it is 3 mm (1/8 in.) (Figure 49),



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it has been adjusted correctly.

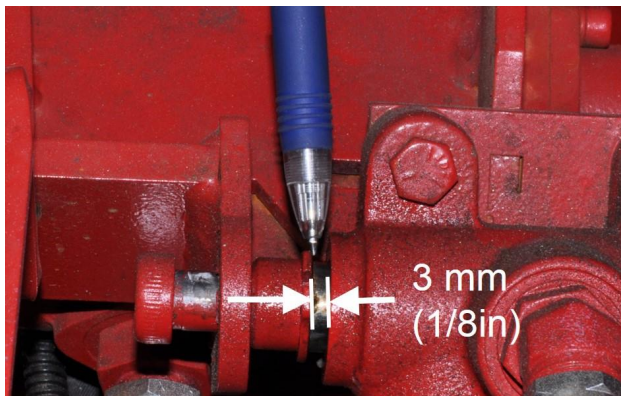


Figure 49 — Adjusting the Automatic System (Spool Measurement)

6. If the measurement is not 3 mm (1/8 in.):
 - Slightly unscrew the two bolts on the plate (Figure 50).
 - Use the lever to move the automatic system's front rod (Figure 50). You should obtain a space of 3 mm (1/8 in.) (Figure 49). The plate should remain at the end of the slot (Figure 48).
 - Tighten the two bolts (Figure 50).

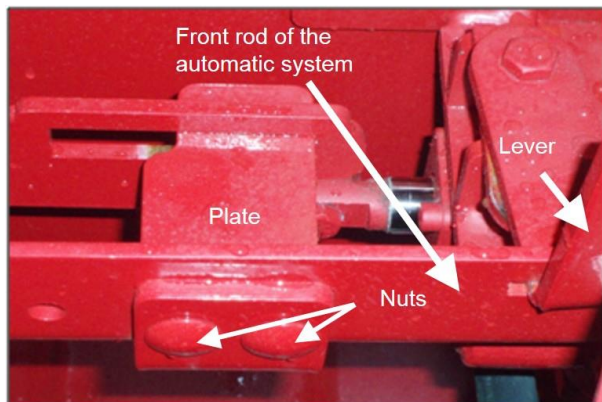


Figure 50 — Adjusting the Automatic System (Moving the Plate)

7. Because this adjustment must be very exact, repeat steps 1–5 to make sure the adjustment was made correctly and the space measures 3 mm (1/8 in.).

— Adjusting the Spring on the Automatic System

This adjustment may be necessary if the pusher does not come back at the end of the pushing cycle and you have

checked all the other components of the automatic system. To adjust the spring:

1. Check the position of the spring bracket. It should be at a 45° angle with the plate, which will normally put the correct tension on the spring bracket.

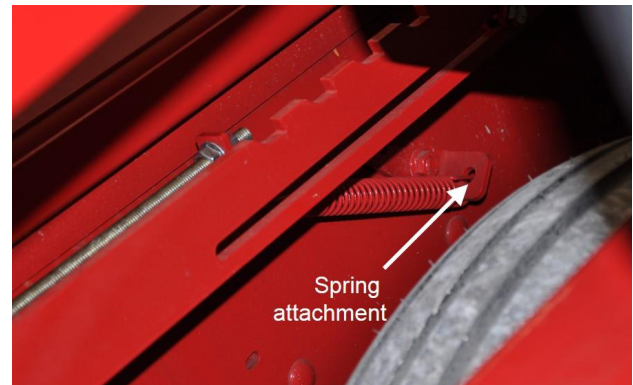


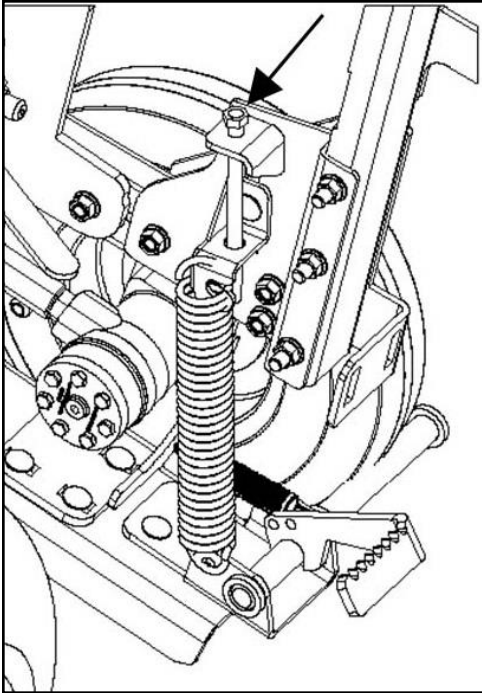
Figure 51 — Adjusting the Spring on the Automatic System

2. Loosen the bolt on the spring bracket slightly and move the bracket to stretch the spring a bit more. Tighten the bolt.

NOTE: Do not tighten the spring too much, or the pusher will come back before the end of its travel.

Adjusting the hoop drive wheel

The hoop can slow down or stop due to slippage between the drive wheel and hoop. Increase the tension on the spring that secures the wheel by tightening the nut on the threaded rod (Figure 52).



**Figure 52 — Adjusting the Spring of the Hoop
Drive Wheel**

7 Storage



Before turning off the wrapper engine, be sure that the pusher has returned to the home position. If it is not all the way back, it may drain the battery.

It is important to store your wrapper properly to prevent premature wear and tear. When storing your wrapper, follow all the recommendations below:

Be sure that all four wheels are touching the ground.

- Chock the wheels during storage.
- Close the fuel shutoff valve to prevent gas or diesel from getting into the engine.

NOTE: When storing the wrapper for a long period of time (in winter), disconnect the battery.

You should also apply a generous amount of oil to the two arms on which the pusher slides (under the fenders). This will keep them from being stiff the next time you use the wrapper. It is also strongly recommended that you do general maintenance before storing the machine (see Chapter 1).

8 Troubleshooting

The following table describes the most common problems you may encounter with your wrapper. It also provides solutions for resolving them. If you do not find your problem in this table or you are not able to solve it yourself, please contact your local distributor's customer service or our service department (see section at the beginning of this manual for our contact information).

NOTE: For engine problems, you can also consult the user manual for the Honda engine.

Table 9 — Troubleshooting the Engine

Problem	Possible cause	Solution
The engine is not starting.	The fuel shutoff valve is closed.	Open the fuel shutoff valve.
	The fuel tank is empty.	Fill the tank.
	The low engine oil sensor on the Honda engine is activated.	Add oil to the engine.
	The spark plug is dirty or defective.	Clean or replace the spark plug.
	The engine is flooded because the fuel shutoff valve was not closed during transport.	1. Remove the spark plug, dry it out, and dry out the cylinder by activating the starter crank. Put the spark plug back in. 2. Change the oil.
	There is too much oil in the oil pan.	Adjust the oil level.

Table 10 — Troubleshooting the Pusher

Problem	Possible cause	Solution
The pusher is not moving forward.	The bale is not correctly placed on the trigger. The bale is not pushing the trigger down enough.	1. Pick up the bale with the tractor and put it back down again. 2. Widen the bale guides (see section 5.1).
	The hydraulic oil level or pressure is too low.	Check the hydraulic oil level (Figure 5) and check for leaks and damage. Repair if necessary. Add AW 32 hydraulic oil to the tank.
	The trigger has not been adjusted properly.	Adjust the trigger (see section Adjusting the height of the trigger on page 33).
	The X-Tractor system is not fully retracted.	Make sure that the X-Tractor system is all the way back.
	The valve for deactivating the pusher is open.	Close the valve.
	The bale guides are too close together.	Adjust the bale guides so that provide just enough lateral support. See section Bale size (bale guides) on page 25.
	The bale is not dense enough.	Avoid wrapping bales that are too soft.



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Problem	Possible cause	Solution
The pusher comes back before completing its cycle.	The pusher is not reaching the stopper because the spring on the automatic system is too tight.	Adjust the spring so that its bracket is at approximately a 45° angle from the table. See section — Adjusting the Spring on the Automatic System on page 35.
The pusher is moving forward at a normal speed, but the hoop is turning slowly.	The wrapping speed control is set too low.	Increase the wrapping speed.
	The hoop activation lever is not activating the automatic system.	Adjust the hoop activation lever. See section Adjusting the hoop activation lever on page 31.
The pusher is not coming back at the end of its pushing cycle.	The automatic system is dirty or contains debris that is preventing it from working properly.	Clean the automatic system.
	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 on page 35.
The pusher has come all the way back, but the engine is still straining as if it did not complete the cycle.	The trigger travel limit has not been adjusted properly.	Adjust the trigger travel limit. See section Adjusting the travel limit on page 33.

Table 11 — Troubleshooting the Hoop

Problem	Possible cause	Solution
The hoop is not turning at all or is not turning fast enough.	The hoop speed control has not been adjusted properly.	Increase the speed (between 2 and 10).
	The drive wheel is slipping on the hoop.	1. Tighten the hoop wheel spring. See section Adjusting the hoop drive wheel on page 35. 2. Check the tire pressure and adjust it if needed. See section 1.3 for the required pressure levels. 3. Change the tire if it shows excessive wear.
	The drive wheel is not turning.	1. Check the hydraulic oil level and check for leaks and damage. Repair if necessary. Add AW 32 hydraulic oil to the tank. 2. Have hydraulic systems specialists check the condition of the wheel engine and replace it if needed.
	The hoop activation lever is not activating the automatic system.	Adjust the hoop activation lever. See section Adjusting the hoop activation lever on page 31.

Table 12 — Miscellaneous Troubleshooting

Problem	Possible cause	Solution
The hydraulic stop activates by itself.	The levers that connect the plastic watch to the hydraulic stop are loose.	Tighten the bolts on the plastic watch lever.
The front tailgate cylinder does not work when it is activated.	The tailgate ball valve is closed.	Open the ball valve to allow the tailgate to start.

Table 13 — Troubleshooting the Wrapping (Plastic Film)

Problem	Possible cause	Solution
The plastic film breaks at normal temperatures.	The film is not tight enough.	1. Ensure that the plastic film roll is installed as indicated in the diagram (Figure 15). 2. Check that the stretcher and spring components are in good condition.
	Debris is wrapped around the rolls or in the stretchers.	Remove the debris and check the general condition of the stretchers.
	The aluminum rollers are dirty.	Clean the aluminum rollers with penetrating oil.
	The rubber roller is damaged.	Replace the rubber roller.
	The spears have become rough.	Gently sand the lower part of the spears.

9 Options

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

9.1 Work lights

This option includes two lights installed on the crossbar on the right side of the machine to make it easier to work in the evening and nighttime. The lights are connected to the wrapper's electrical system. To turn on the lights, just use the toggle switch on the control panel.

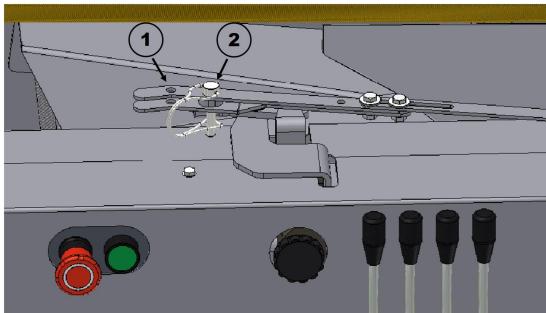
NOTE: The Honda engine must have an alternator of at least 10 amps for this option to work. With a less powerful alternator, your battery will lose its charge.

9.2 Anderson plastic watch

This option automatically stops the wrapping process if the plastic film breaks or if one of the rolls is empty.

To activate or deactivate the plastic watch:

1. Remove the locking pin.
2. Put the arm in the appropriate position on the plastic watch. Put the arm in the **On** hole to activate the watch and in the **Off** hole to deactivate it.
3. Put the locking pin back in.



1	Deactivated
2	Activated



Figure 53 — Activating/Deactivating the Plastic Watch

9.3 25-litre fuel tank

This option includes a 25-litre fuel tank and a control lever to select the reservoir. The addition of this tank makes the wrapper more self-sufficient.



Figure 54 — 25-Litre Fuel Tank

Using the fuel tanks

NOTE: With this option, your wrapper will be equipped with two fuel tanks. Since the optional 25-litre tank has a larger capacity than the engine tank, you should always use it first. Keep the engine tank for emergencies when the optional tank is empty.

A selector lever near the engine lets you choose the tank that will fuel the engine. To select the 25-litre tank (large tank), place the control lever of the valve to the left-hand side. When this tank is empty, place the tank selector lever to the right to select the engine tank. Make sure to keep enough gas to allow you to finish your work.



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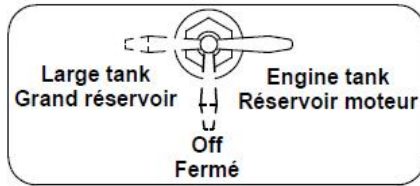


Figure 55 — Selecting the Fuel Tank

9.4 Remote engine ignition

This option starts and stops the engine from a distance. This system includes a remote control and an electric box installed on the right inside the rear frame.

NOTE: Your wrapper can also be equipped with remote steering (see section 9.5).



Attention!

The remote is not waterproof.

The remote has two buttons and an indicator light:

- The B button starts the engine.
- The C button turns off the engine.
- The A indicator light blinks briefly when a button is pushed.

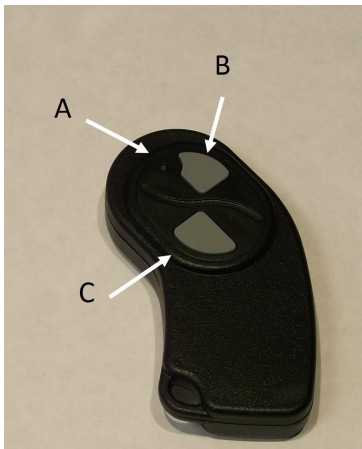


Figure 56 — Remote Control Functions

Programming

If your remote engine ignition was installed at the factory, the remote has already been configured. If it was not installed at the factory or you have replaced the remote, you will have to program it. To program the remote:

1. Turn the engine **OFF**.
2. While holding down the **C** button on the remote, quickly turn the key in the ignition to **ON**, then **OFF**, and then back to **ON**.
3. Let go of the C button and press the B button. The engine will start.

Starting the engine with the remote

To start the engine with the remote:

1. Turn the ignition **ON**.
2. Make sure that the emergency stop button is pulled out and the safety guard for the hoop is closed.



Figure 57 — Start and Emergency Stop Label

3. Push the **B** button on the remote control (Figure 56).

NOTE: If the engine does not start on the first try, the system will automatically try two more times.

Troubleshooting

Table 14 — Troubleshooting the Remote Start

Problem	Possible cause	Solution
The remote start does not work or stopped working.	The engine is OFF .	Turn the engine ON .
	The battery of the remote is losing its charge or is not making contact properly.	Replace the battery or check that it is making contact.
	The engine starter fuse has blown.	Replace the fuse.

9.5 Remote steering

Thanks to the remote steering option, you can operate the wrapper from your tractor with a remote control. The remote control functions can be used to steer the wrapper, as well as start and turn off the engine.

This option 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 at the factory and do not require any adjustments or maintenance.

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

Wrapper control panel

If the remote steering option is installed on your wrapper, the wrapper control panel will have two new options:

1. A blue button to activate the remote control
2. A steering arm that is smaller than the other four, for steering the wrapper wheels. When this option is not installed, the control panel will have a steering arm that is the same size as the other four.



Figure 58 — Control Panel with Remote Steering Option

Receiver

The remote steering receiver allows the remote control to steer the wrapper. The receiver is installed inside the wrapper, under the rear right side, to protect it from impacts and bad weather.



Figure 59 — Remote Steering Receiver

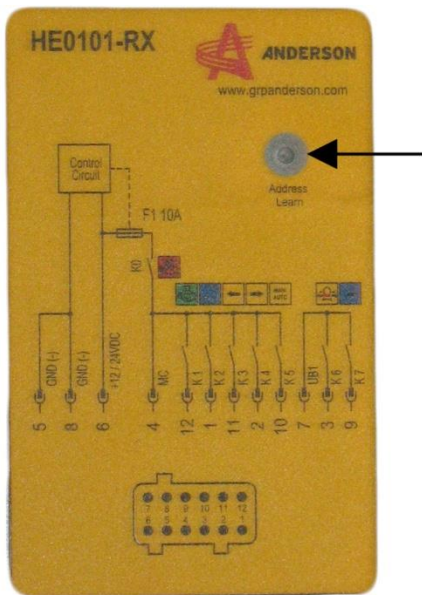


Figure 60 — Remote Steering Receiver Control Panel

The receiver LEDs are as follows:

Table 15 — Receiver LEDs

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

Remote control

The remote control steers the wrapper from a distance and controls most of the operations for which it was designed. The remote control is supplied with three alkaline batteries (AA).



Button	Function
1	Turn left
2	Turn right
3	Selecting the manual or automatic mode for the automatic steering Button used for the auto-pilot option This option is described in a separate manual.
4	Selecting the side of the bale tube for automatic steering Button used for the auto-pilot option. This option is described in a separate manual.
5	Pusher trigger Button used with the Hybrid Evolution model.
6	---
7	Start the engine
8	Stop the engine
LED	Indicator light

Figure 61 — Remote Control Functions

The LEDs on the remote control are:

Table 16 — Remote LEDs

Red LED	Green LED	Description
ON	Blinking	Battery low
OFF	Blinking	Normal signal
ON	ON	Bad signal
Blinking	OFF	Engine off

Connecting the remote control and receiver

The remote control and receiver are connected at the factory. If you lose or break the remote control, you will have to replace it and then have to connect it to the receiver. You must connect the remote to the receiver. To connect the remote to the receiver:

1. Remove the key from the ignition.



Danger! If you leave the key in the ignition, the engine could be started accidentally. This could result in serious injury or even death.

2. Turn on the receiver by pushing the blue button on the wrapper control panel (Figure 58).
3. Press and hold the start engine button on the remote control (button 7)
4. Push the receiver's **Address Learn** button (Figure 60). The **Address Learn** LED will blink green to indicate that the receiver has found a signal and the remote is now connected.
5. Release the buttons.

Starting the wrapper

To start the wrapper with the remote control:

1. Push the blue button on the control panel of the wrapper (Remote steering) to turn on the receiver. The blue button lights up when remote steering is activated.

NOTE: When remote steering is activated, the engine can **only** be started with the remote control.

The engine will automatically turn off when remote steering is activated.

2. Turn the engine key to **ON**.
3. Be sure that the emergency stop button is pulled out and the safety guard 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.



Attention! Always turn off the receiver (the blue button on the wrapper control panel) after using it to avoid draining the wrapper battery.

Steering the wrapper

To steer the wrapper with the remote control, press the **left** or **right** button depending on which way you want to move the wrapper.

NOTE: The wheels of the wrapper move by pulses. This prevents the wheels from turning all the way when a button is pressed.



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Troubleshooting

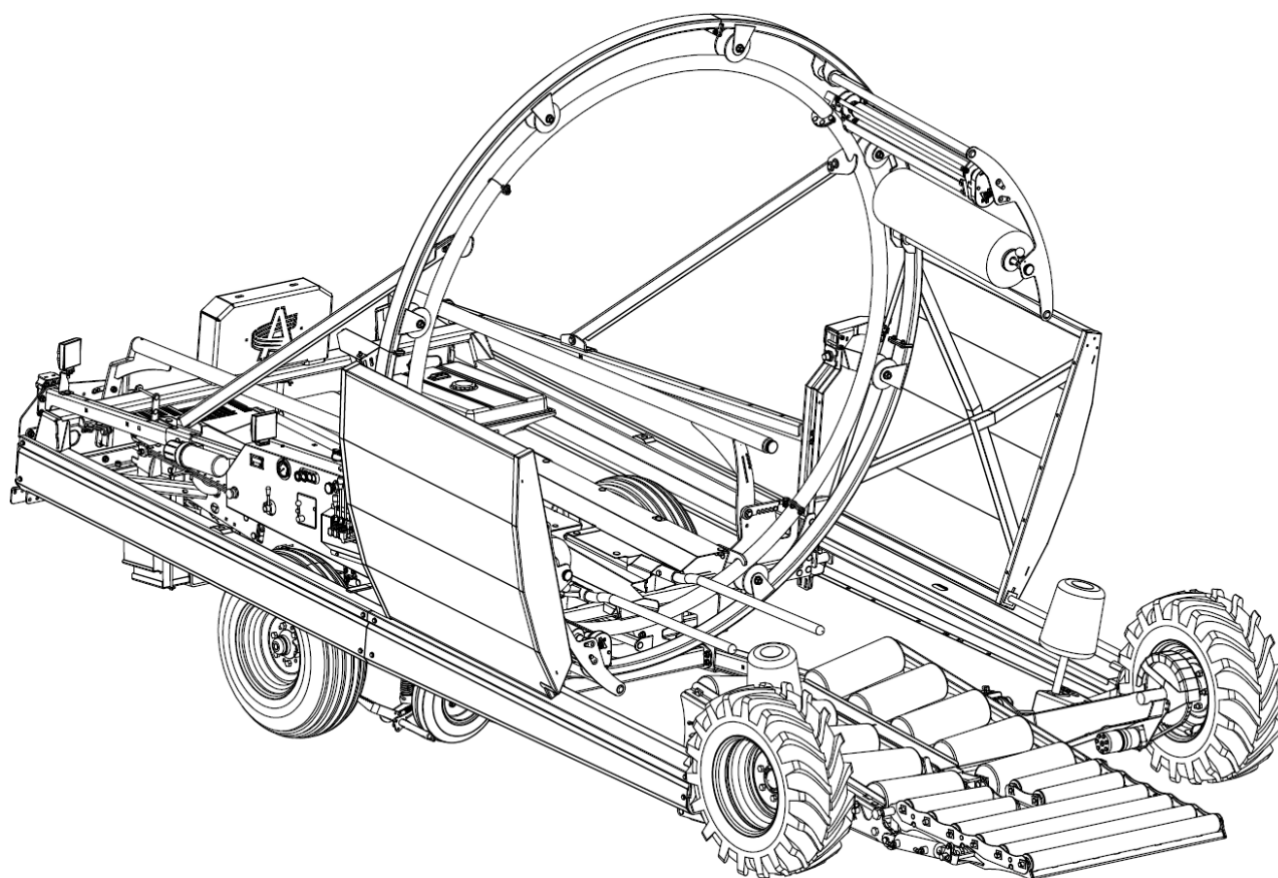
Table 17 — Troubleshooting the Remote Steering

Problem	Possible cause	Solution
The remote control is not working.	The AA batteries in the remote are dead.	Replace the batteries in the remote control. When you press a button, the green LED will flash to indicate that the remote control is transmitting 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	Check that the Address Learn LED on the receiver flashes and be sure that it is waiting for a signal (see for the description of the LED). The remote is no longer connected to the receiver.
	The remote is no longer connected to the receiver.	Connect the remote to the receiver by following the instructions on page .
	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 so that it provides at least 12.5 V to the receiver.
Some functions only work once in a while.	The electrical wires for the function are loose or not connected properly.	Check the electrical connections on the receiver for each function that is not working properly.
The remote control is not starting the engine.	The safety is activated on the remote.	Press the stop button on the remote and then press the start button.



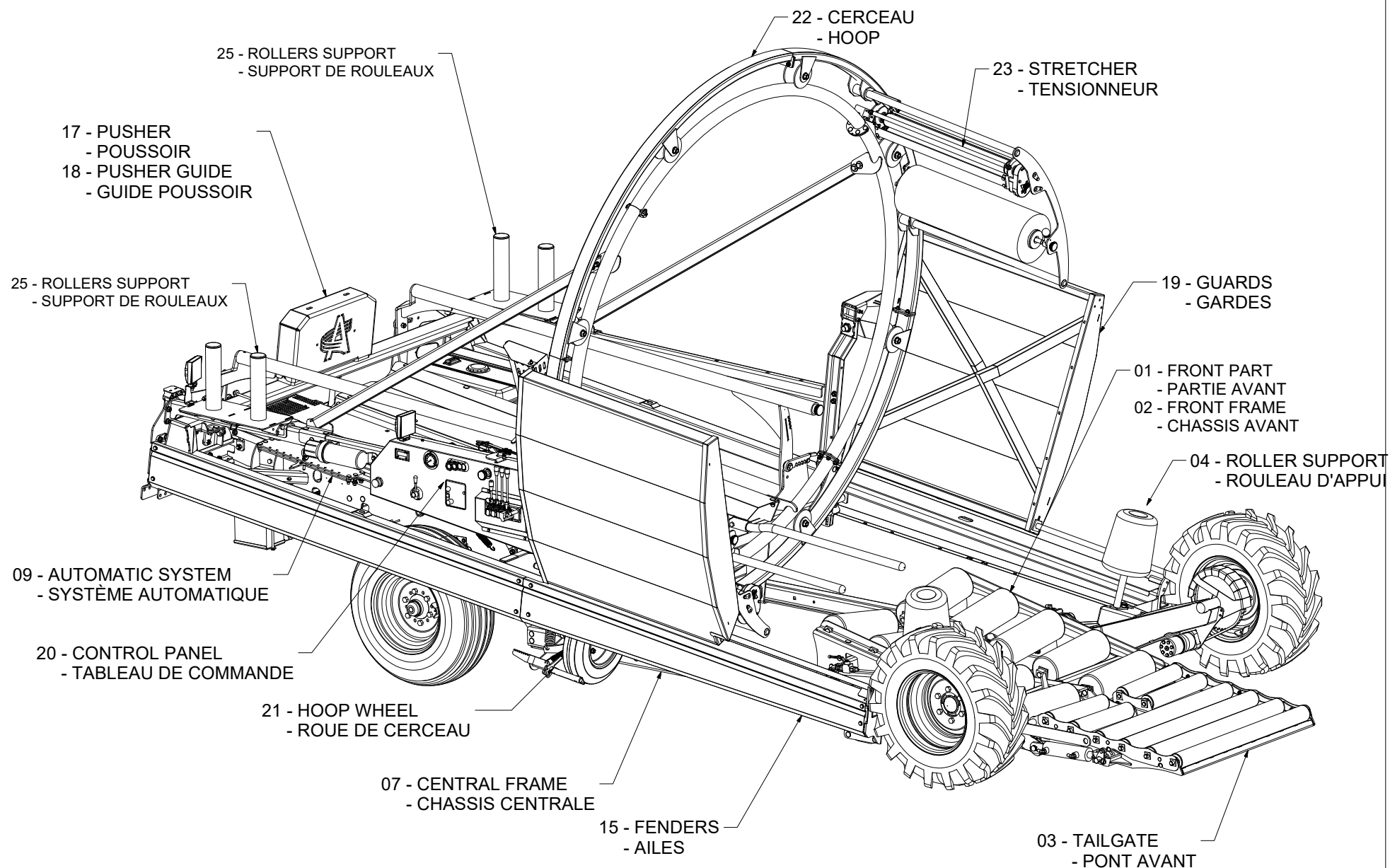
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Round bale wrapper
Enrobeuse à balles rondes
IFX

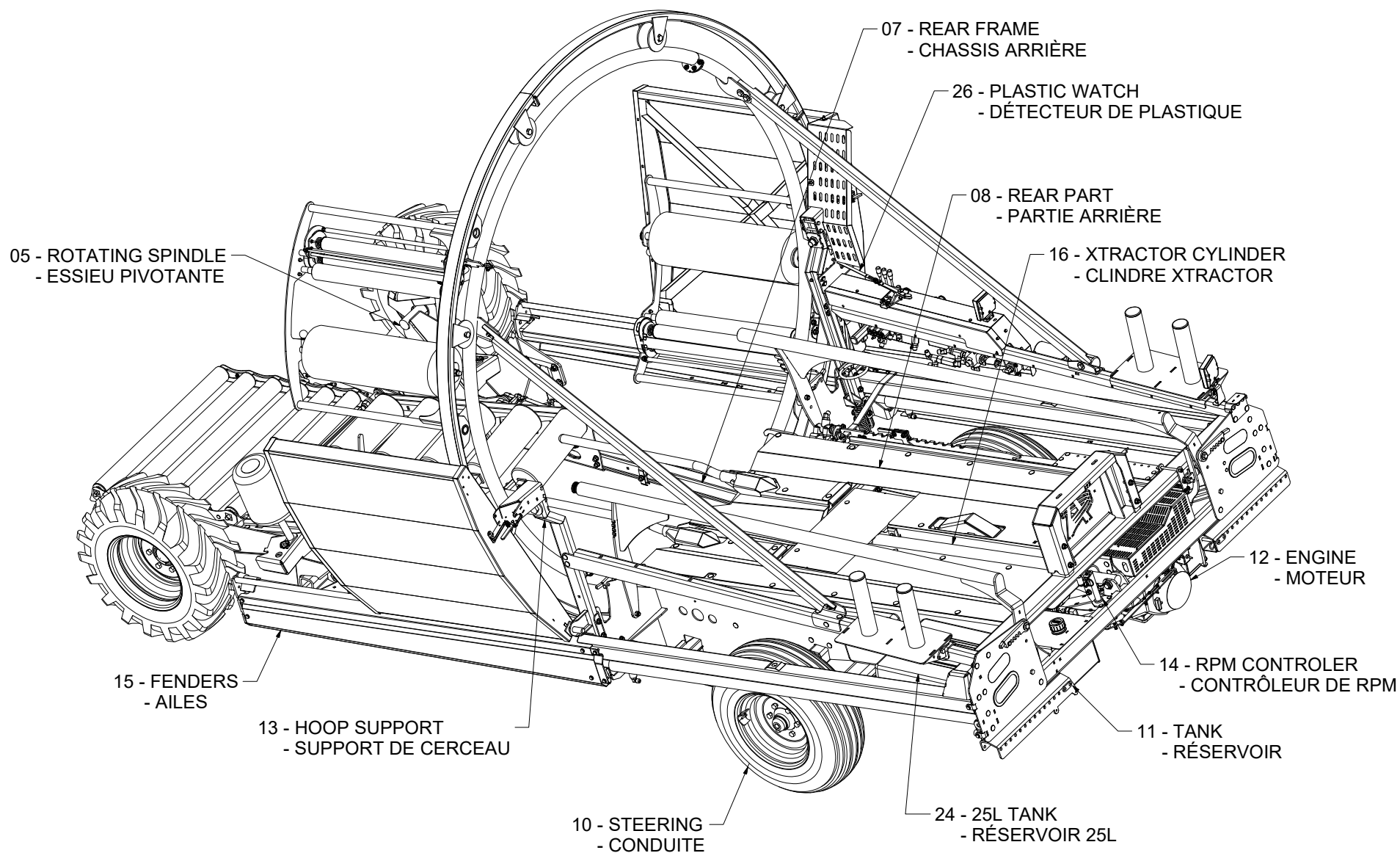


Parts Manual
Livre de pièces
2021

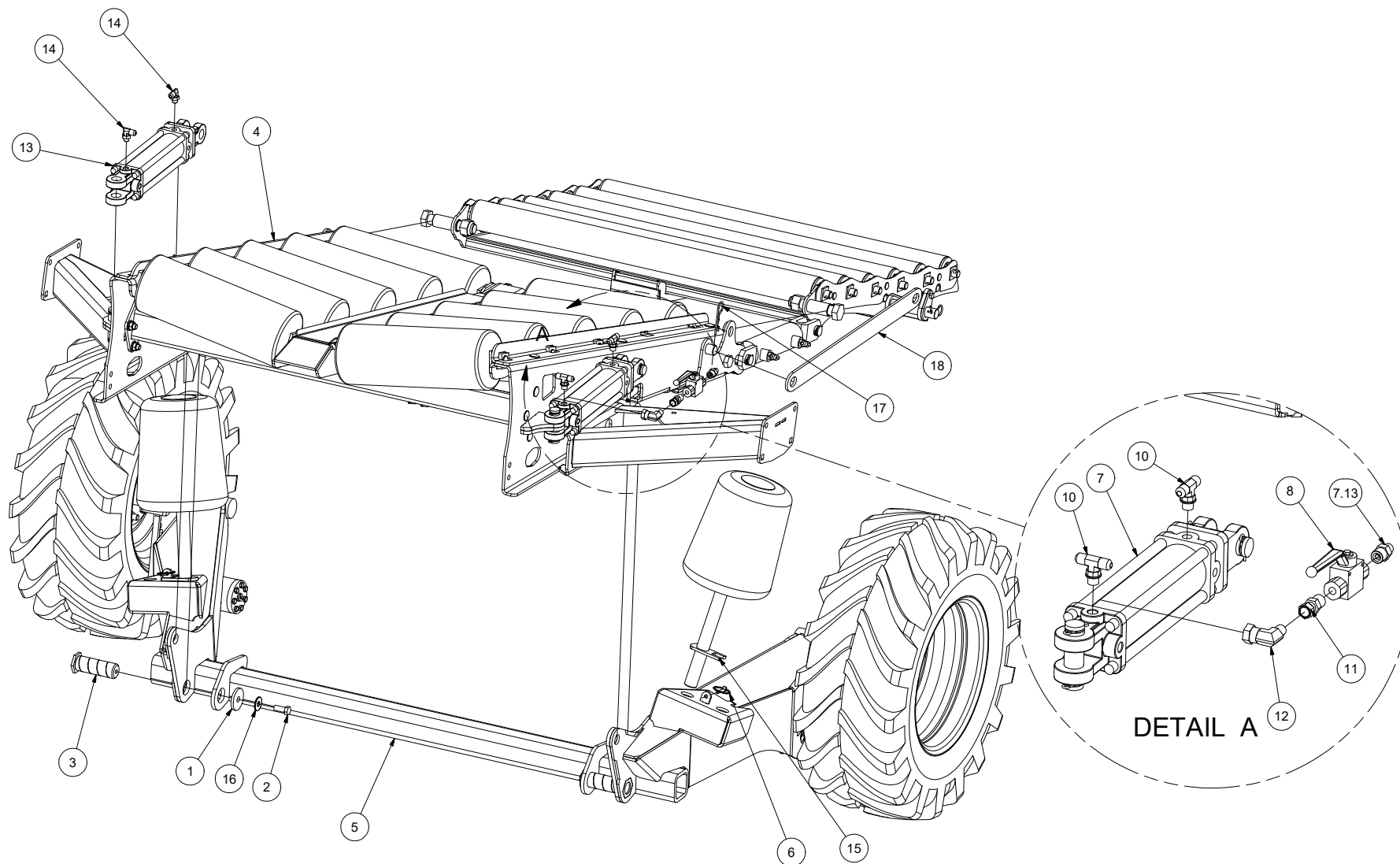
00 - GENERAL VIEW / VUE GÉNÉRALE



00 - GENERAL VIEW / VUE GÉNÉRALE



01 - FRONT PART / PARTIE AVANT

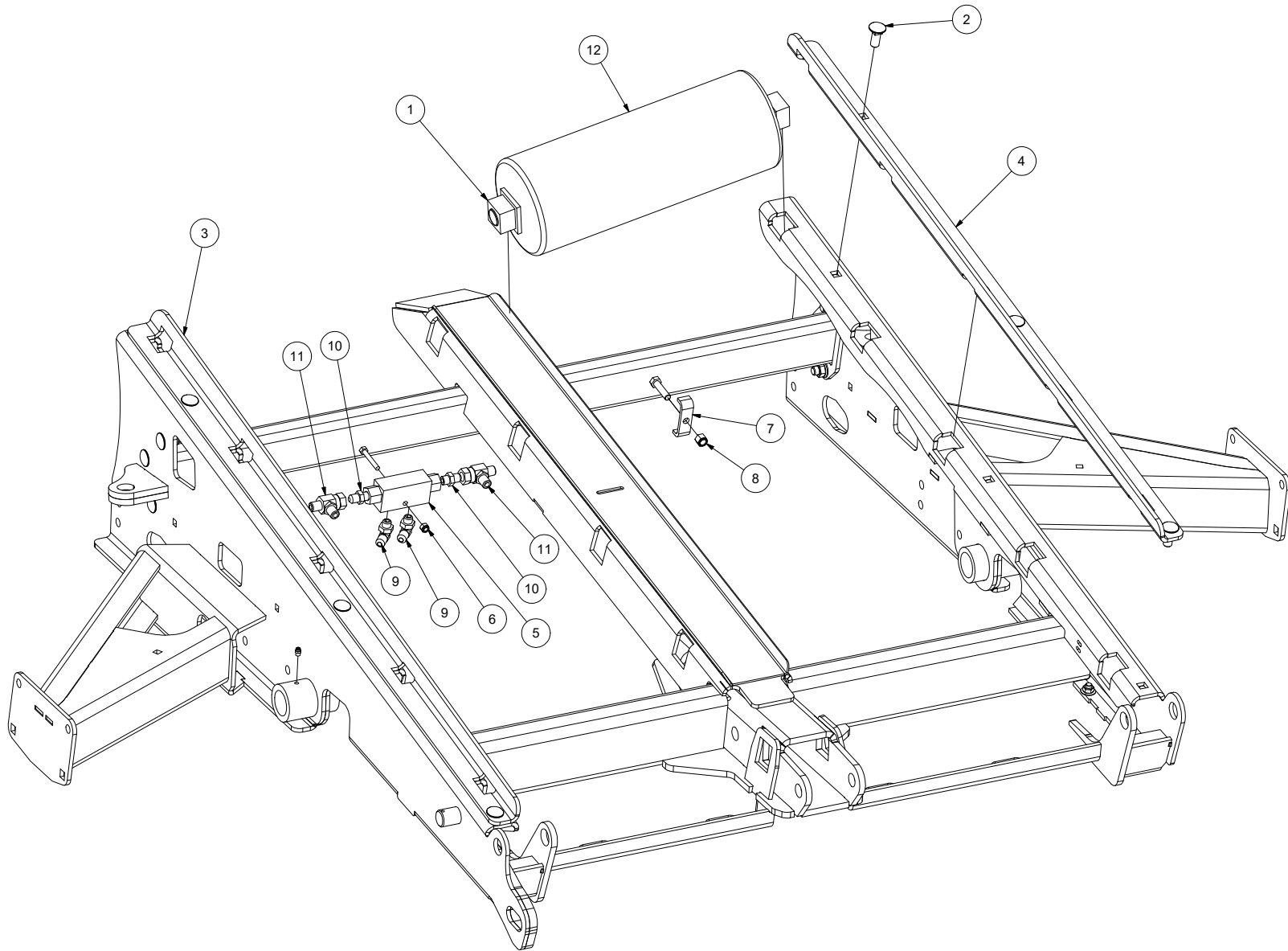


01 - FRONT PART / PARTIE AVANT



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	2	242105-1	WASHER	RONDELLE	
2	2	500175	HEX BOLT GR5 1/2-13 X 1 1/4	BOULON HEX GR5 1/2-13 X 1 1/4	
3	2	242104-1	FRONT SPINDLE AXLE	AXE D'ESSIEUX AVANT	
4	1	244027	FRONT FRAME	CHASSIS AVANT	
5	1	244028	FRONT AXLE	ESSIEU AVANT	
6	2	320007	LYNCHPIN	ATTACHE	
7	1	467215	HYDRAULIC CYLINDER	CYLINDRE HYDRAULIQUE	
8	1	466998	HYDRAULIC VALVE	VALVE HYDRAULIQUE	
10	2	451312	6 M.JIC - 6 M.ORB	6 M.JIC - 6 M.ORB	
11	1	450994	6 F.JIC - 6 M.NPT	6 F.JIC - 6 M.NPT	
12	1	450953	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
7.13	1	450542M2	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
13	1	467215	HYDRAULIC CYLINDER	CYLINDRE HYDRAULIQUE	
14	2	451260	6 M.JIC - 6 M.ORB 90°	6 M.JIC - 6 M.ORB 90°	
15	2	210832	ROLLER	ROULEAU D'APPUI	
16	2	502006-1	FLAT WASHER 1/2 Z	RONDELLE PLATE 1/2 Z	
17	1	320039	HITCH PIN	GOUPILLE D'ATTELAGE	
18	1	244225	ROAD LOCK	BARRURE DE ROUTE	

02 - FRONT FRAME / CHÂSSIS AVANT

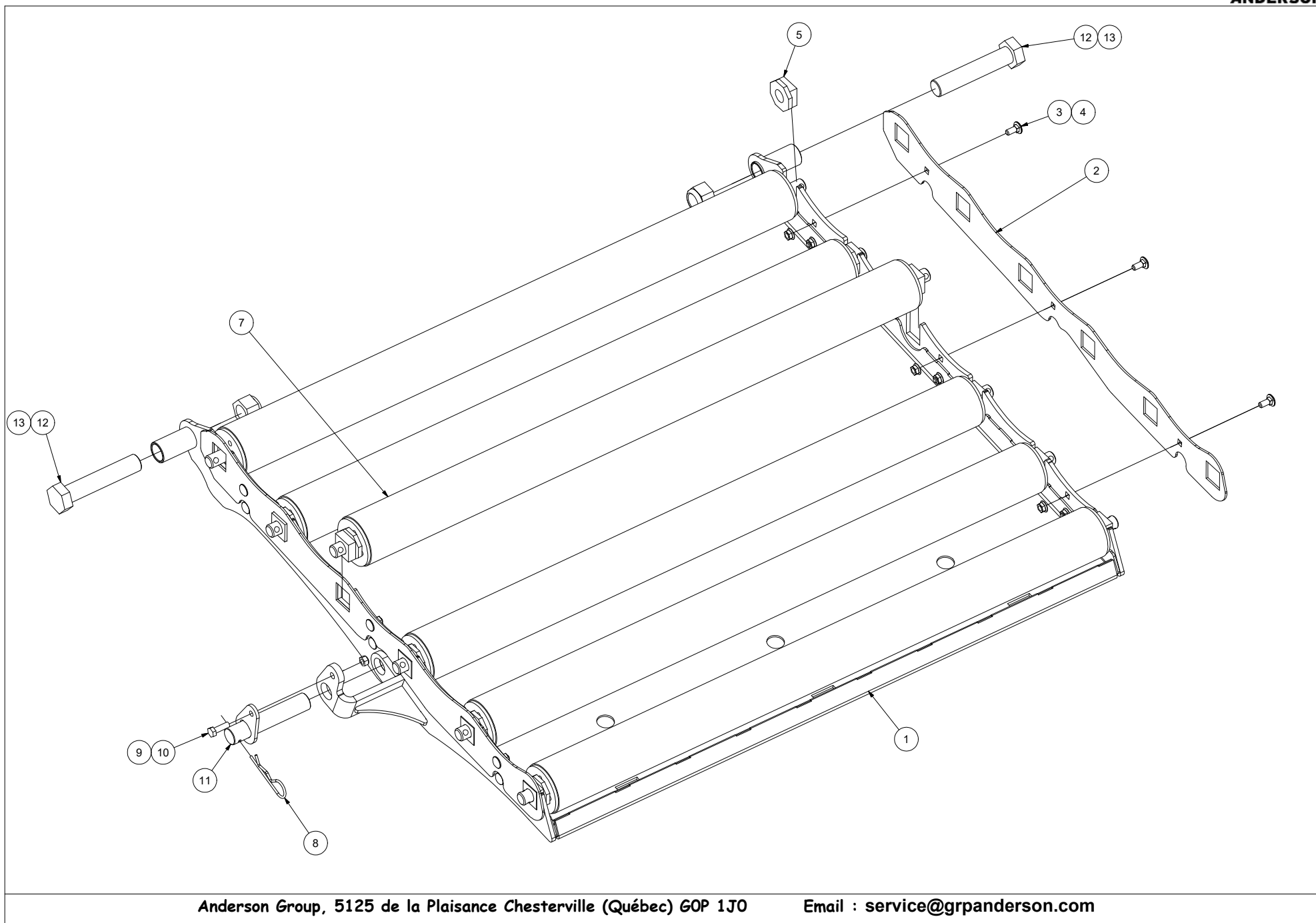


02 - FRONT FRAME / CHÂSSIS AVANT



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	20	279001	PLASTIC BUSHING	MANCHON DE PLASTIQUE	
2	12	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/4 Z	
3	1	244029	RIGHT ROLLER LOCK	BARRURE DE ROULEAU DROITE	
4	1	244030	LEFT ROLLER LOCK	BARRURE DE ROULEAU GAUCHE	
5	1	466989	HYDRAULIC VALVE	VALVE HYDRAULIQUE	
6	1	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
7	1	234020	HOSE CLIP	ATTACHE TUYAU HYDRAULIQUE	
8	1	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
9	2	451260	6 M.JIC - 6 M.ORB 90°	6 M.JIC - 6 M.ORB 90°	
10	2	451171	6 M.JIC- 6M.ORB	6 M.JIC- 6M.ORB	
11	2	450972	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
12	10	210523	TABLE PLASTIC ROLLERS 19"7/16	ROULEAU NOIR 6" DIA X (19"7/16)	

03 - FRONT GATE / PONT AVANT

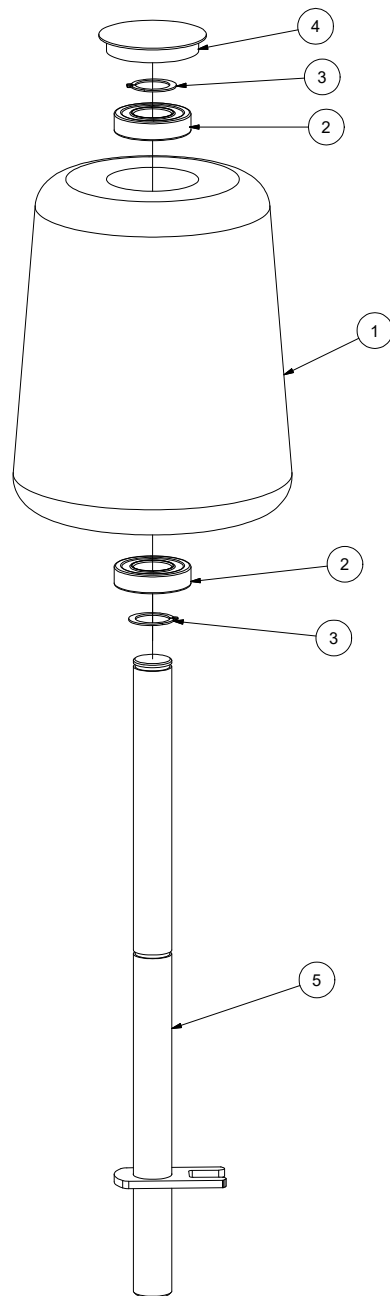


03 - FRONT GATE / PONT AVANT



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244316	FRONT GATE	PONT AVANT	
2	2	244315	ROLLER LOCK	BARRURE DES ROULEAUX	
3	6	500401	CARRIAGE BOLT	BOULON DE CARROSSERIE	
4	6	501021	HEX FLANGE NUT GR2 5/16-18 Z	ÉCROU À EMBASE HEX GR2 5/16-18 Z	
5	12	279002	PLASTIC BUSHING	MANCHON DE PLASTIQUE	
7	6	210802	LONG ROLLER	ROULEAU LONG	
8	1	320039	HITCH PIN	GOUPILLE D'ATTELAGE	
9	1	501031	HEX NYLON LOCKNUT GR5 5/16-18 Z	ÉCROU NYLON IND HEX GR5 5/16-18 Z	
10	1	500044	HEX BOLT GR5 5/16-18 X 1	BOULON HEX GR5 5/16-18 X 1	
11	1	244320	CYLINDER HEAD PIN	BARRURE POUR TIGE DE CYLINDRE	
12	2	500333	HEX BOLT GR5 1-8 X 5 Z	BOULON HEX GR5 1-8 X 5 Z	
13	2	501037	HEX NYLON LOCKNUT GR5 1-8 Z	ÉCROU NYLON IND HEX GR5 1-8 Z	

04 - ROLLER SUPPORT / ROULEAU D'APPUI

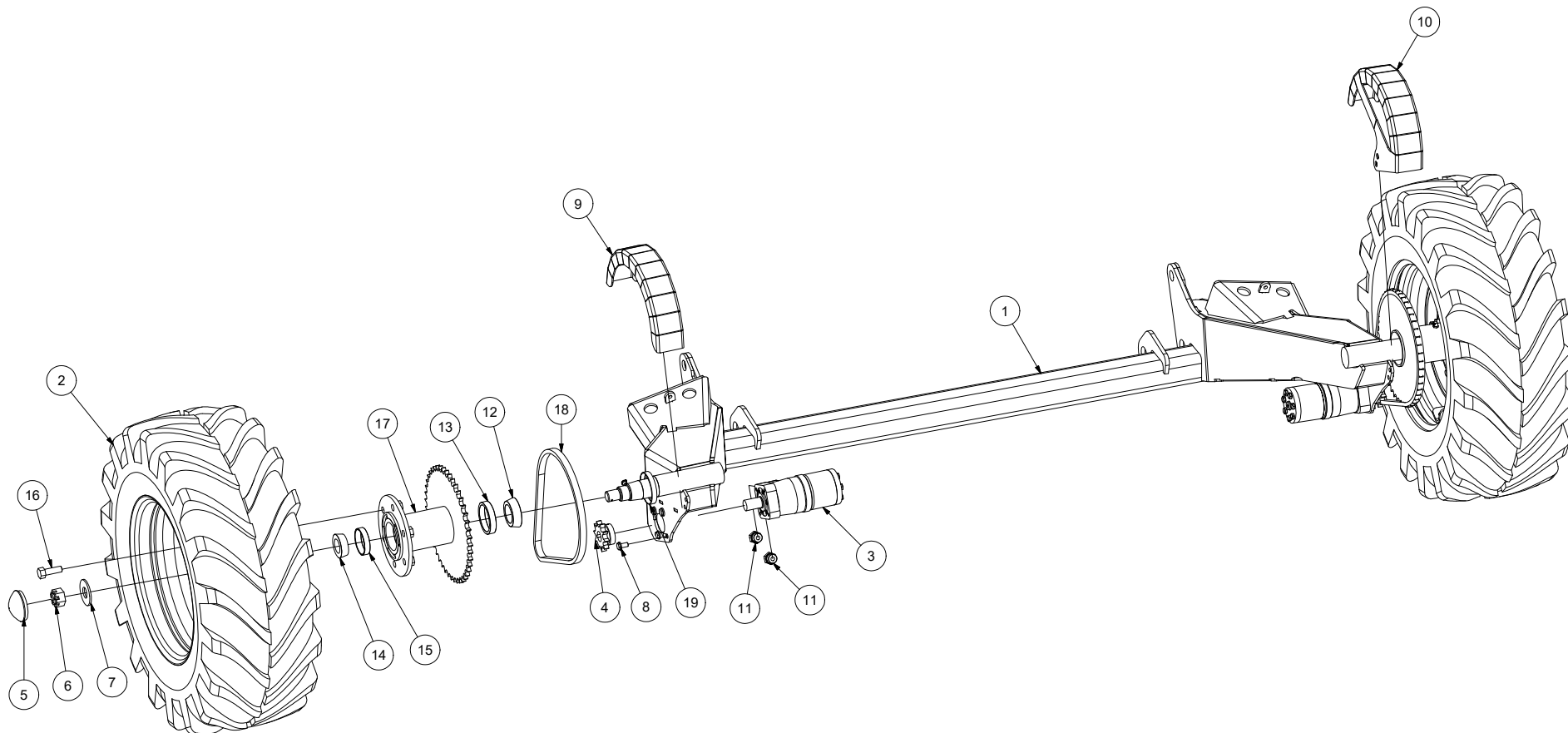


04 - ROLLER SUPPORT / ROULEAU D'APPUI



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	325112	PLASTIC CONE	CONE DE PLASTIQUE	
2	2	303045	BEARING 1654-Z	ROULEMENT 1654-Z	
3	2	320006	RETAINING RING	ANNEAU DE RETENUE	
4	1	325107	CAP	CAPUCHON	
5	1	224026-1	ROLLING SUPPORT STAND SHAFT	AXE DU ROULEAU D'APPUI	

05 - ROTATING SPINDLE / ESSIEU PIVOTANTE

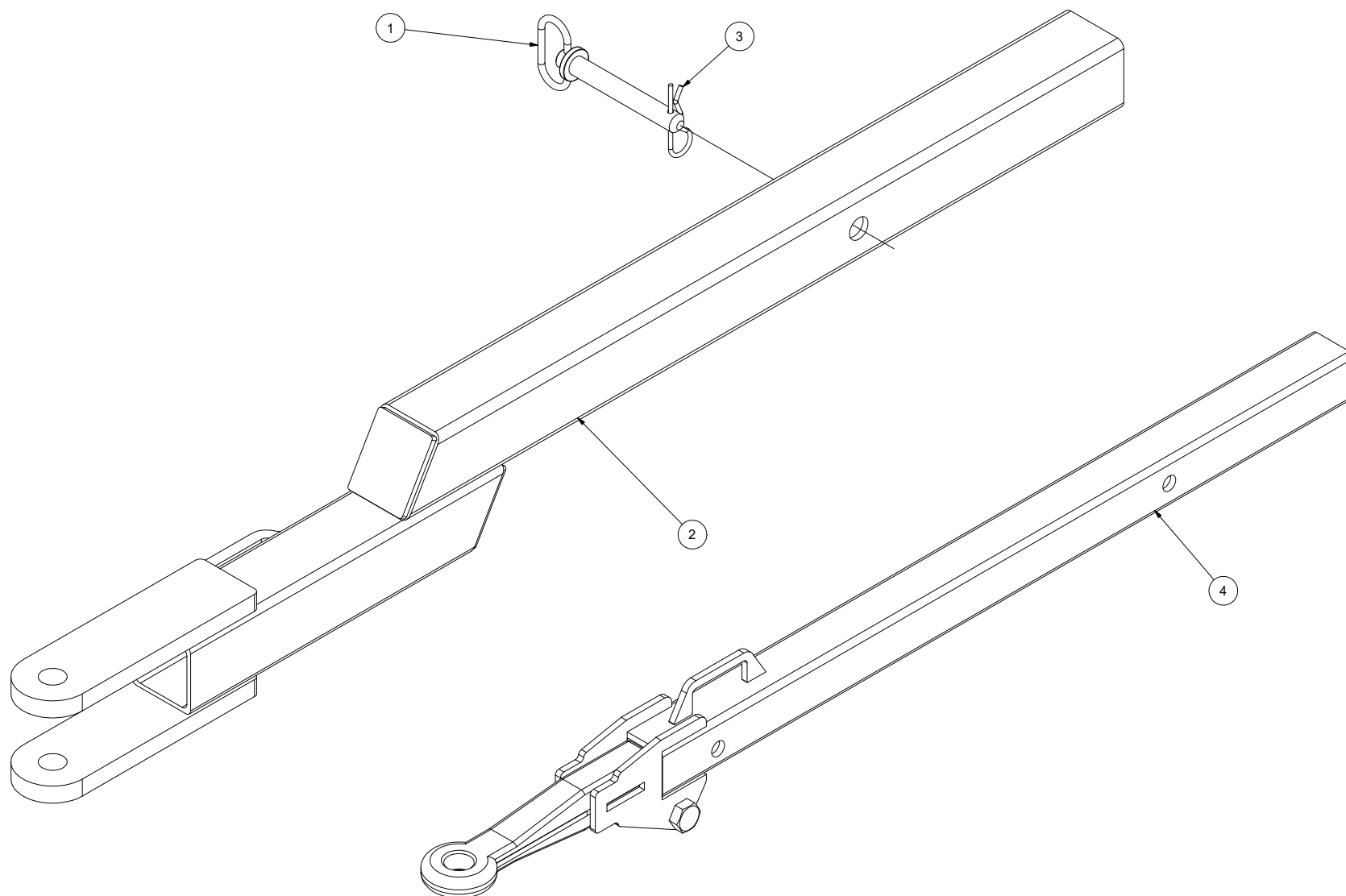


05 - ROTATING SPINDLE / ESSIEU PIVOTANTE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244034	FRONT SPINDLE FRAME	CHASSIS D'ESSIEU AVANT	
2	2	481503	TIRE ASSEMBLY	PNEU ASSEMBLÉ	
3	2	469001	HYDRAULIC MOTOR	MOTEUR HYDRAULIQUE	
4	2	301010	SPROCKET	ROUE DENTÉE	
5	2	481005	DUST CAP	CAPUCHON DU MOYEU	
6	2	501075	HEX CASTLE NUT 1-14	ÉCROU CHÂTEAU HEX GR5 1-14	
7	2	502011	FLAT WASHER 1 Z	RONDELLE PLATE 1 PO Z	
8	8	500600	HEX FLANGE BOLT GR5 3/8-16 X 3/4 Z	BOULON À EMBASSE HEX GR5 3/8-16 X 3/4 Z	
9	1	244035	RIGHT CHAIN GUARD	GARDE DE CHAÎNE DROIT	
10	1	244036	LEFT CHAIN GUARD	GARDE DE CHAÎNE GAUCHE	
11	4	451179	8 M JIC - 10 M ORB	8 M JIC - 10 M ORB	
12	2	303501	BEARING LM603049	ROULEMENT LM603049	
13	2	303099	BEARING LM603011	ROULEMENT LM603011	
14	2	303034	BEARING LM48548	ROULEMENT LM48548	
15	2	303037	ROLLING BEARING CAGE LM48510	CAGE DE ROULEMENT LM48510	
16	12	507016	WHEEL BOLT 9/16-18 X 1	BOULON DE ROUE 9/16-18 X 1	
17	2	244037	TRACTION HUB	MOYEU DE TRACTION	
18	2	302593	CHAIN 60	CHAÎNE 60	
19	2	303500	RADIAL SHAFT SEAL 5000-3X2-A	JOINT RADIAL 5000-3X2-A	

06 - DRAW BAR / TIMON



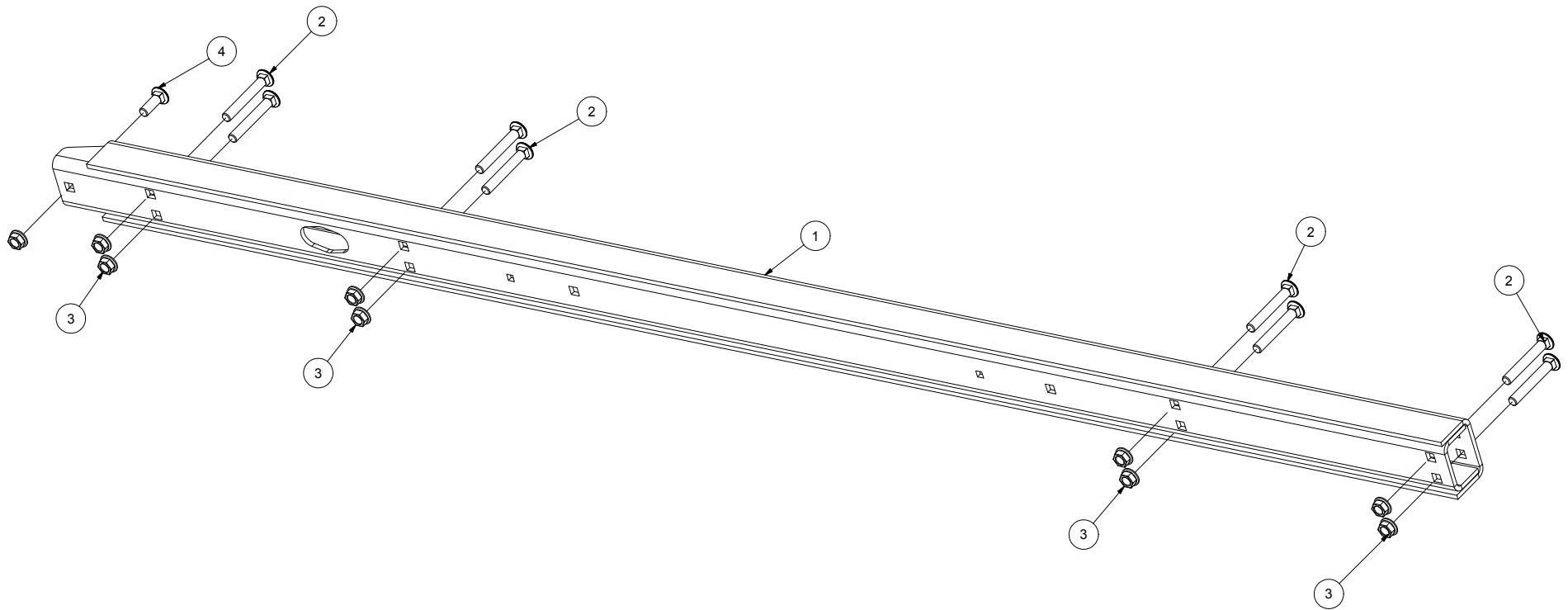
06 - DRAW BAR / TIMON



ANDERSON

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	320082	HITCH PIN 04	GOUPILLE D'ATTACHE 04	
2	1	244309-1	POLE	TIMON	
3	1	320039	HITCH PIN	GOUPILLE D'ATTACHE	
4	1	244038-2	EUROPEAN POLE	TIMON EUROPE	

07 - CENTRAL FRAME / CHÂSSIS CENTRAL

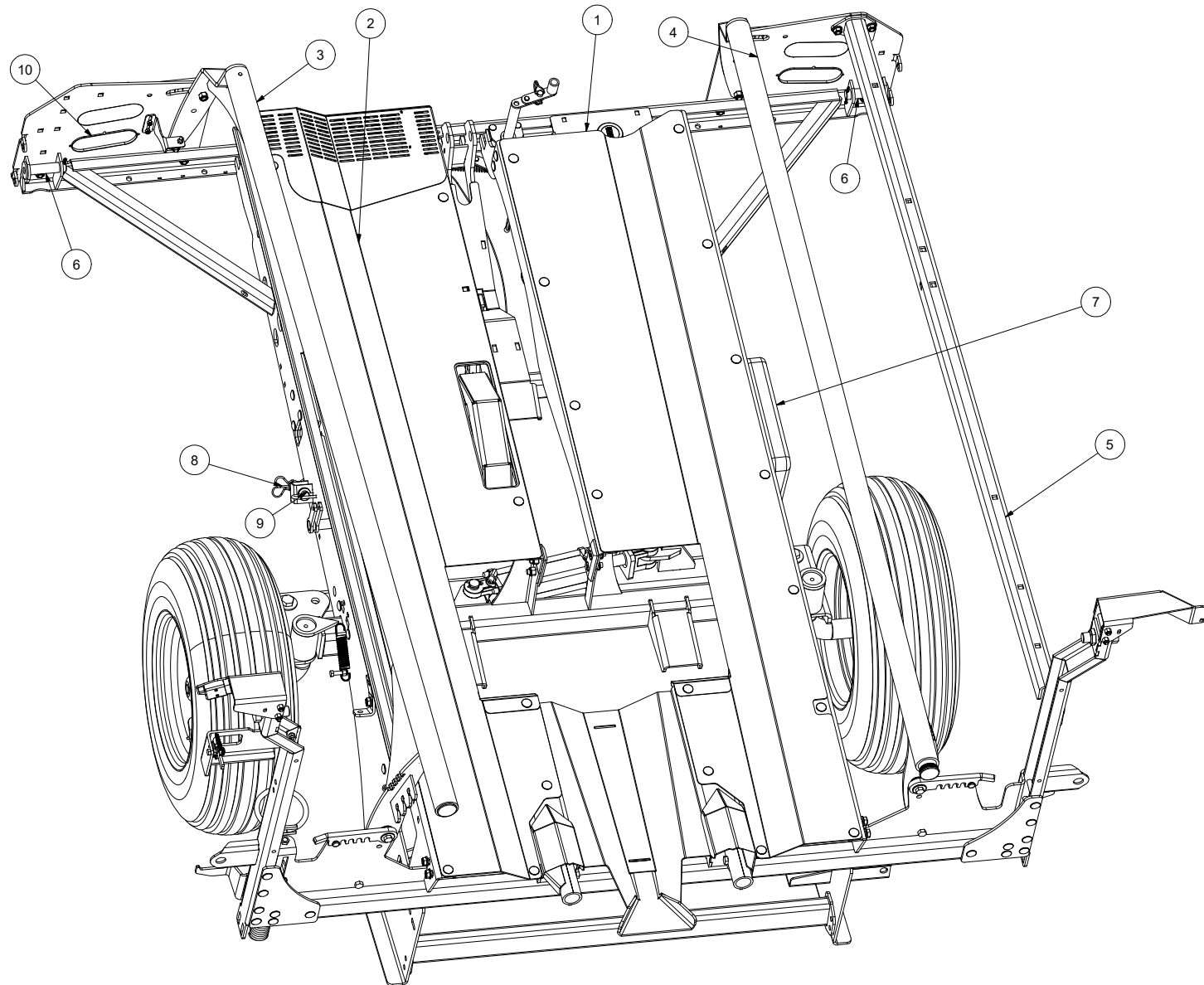


07 - CENTRAL FRAME / CHÂSSIS CENTRAL



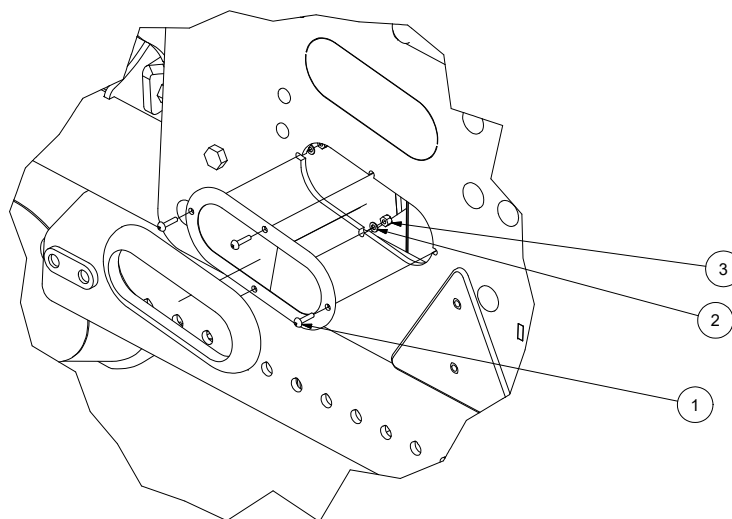
ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244040	MAIN FRAME	CHASSIS PRINCIPALE	
2	8	500509	CARRIAGE BOLT GR5 1/2-13 X 3 1/2 Z	BOULON À CARROSSERIE GR5 1/2-13 X 3 1/2 Z	
3	9	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
4	1	500502	CARRIAGE BOLT GR5 1/2-13 X 1 1/2 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/2 Z	

08 - REAR PART / PARTIE ARRIÈRE



08 - REAR PART / PARTIE ARRIÈRE

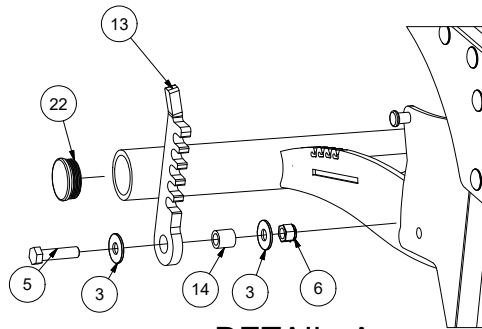
ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244041-1	LEFT REAR PLATE	PLATEAU ARRIÈRE GAUCHE	
2	1	244042-1	RIGHT REAR PLATE	PLATEAU ARRIÈRE DROIT	
3	1	244043-1	RIGHT BALE GUIDE	GUIDE BALLE DROIT	
4	1	244044-1	LEFT BALE GUIDE	GUIDE BALLE GAUCHE	
5	1	244045	LEFT CROSSMEMBER	TRAVERS GAUCHE	
6	2	210678	PUSHER CYLINDER AXLE	AXE DU CYLINDRE DE POUSSOIR	
7	1	325109-1	MANUAL CASE	BOITIER DU MANUEL	
8	1	320039	HITCH PIN	GOUPILLE D'ATTELAGE	
9	1	320082	HITCH PIN 04	GOUPILLE D'ATTACHE 04	
10	1	210136-3	LIGHT KIT	ENSEMBLE DE LUMIÈRE	
10	1	210136-2	COMPLETE EUROPE LIGHT KIT	KIT DE LUMIÈRE EUROPE COMPLET	
10	1	319858-1	EUROPE LIGHT ALONE WITH CONNECTOR	LUMIÈRE EUROPE SEULE AVEC CONNECTEUR	



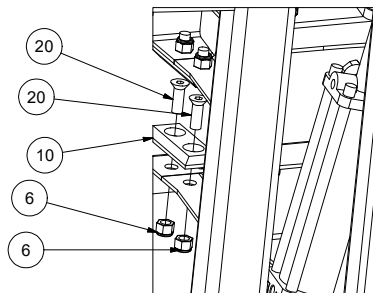
EUROPE LIGHT KIT ENSEMBLE DE LUMIÈRE EUROPE

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	16	507087	BUTTON HEAD SCREW	VIS À MACHINE	
2	8	502001	FLAT WASHER 3/16 Z	RONDELLE PLATE 3/16 Z	
3	16	501050-1	HEX NYLON LOCKNUT GR5 8/32 Z	ÉCROU NYLON IND HEX GR5 8-32 Z	

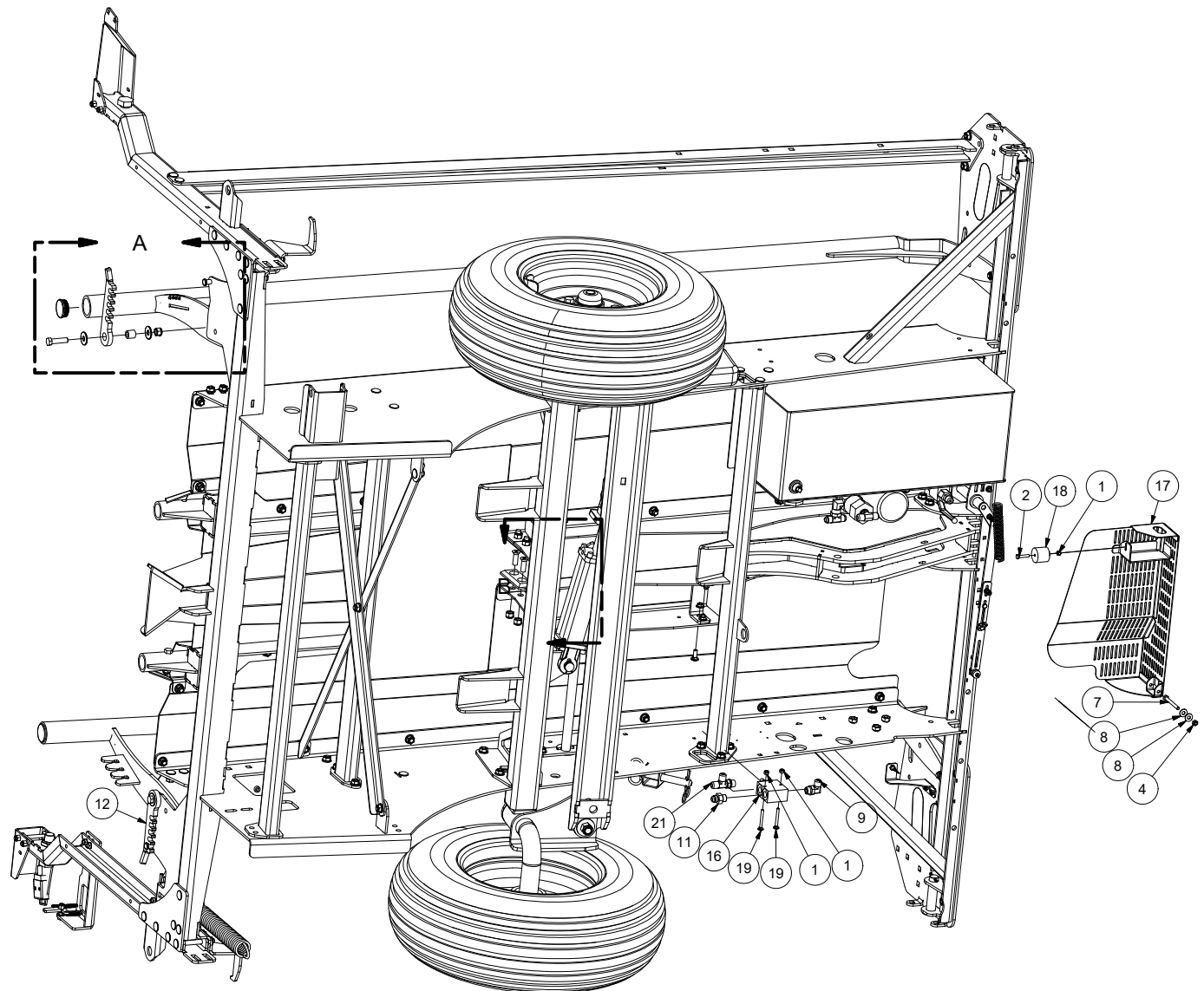
08 - REAR PART / PARTIE ARRIÈRE



DETAIL A



DETAIL B

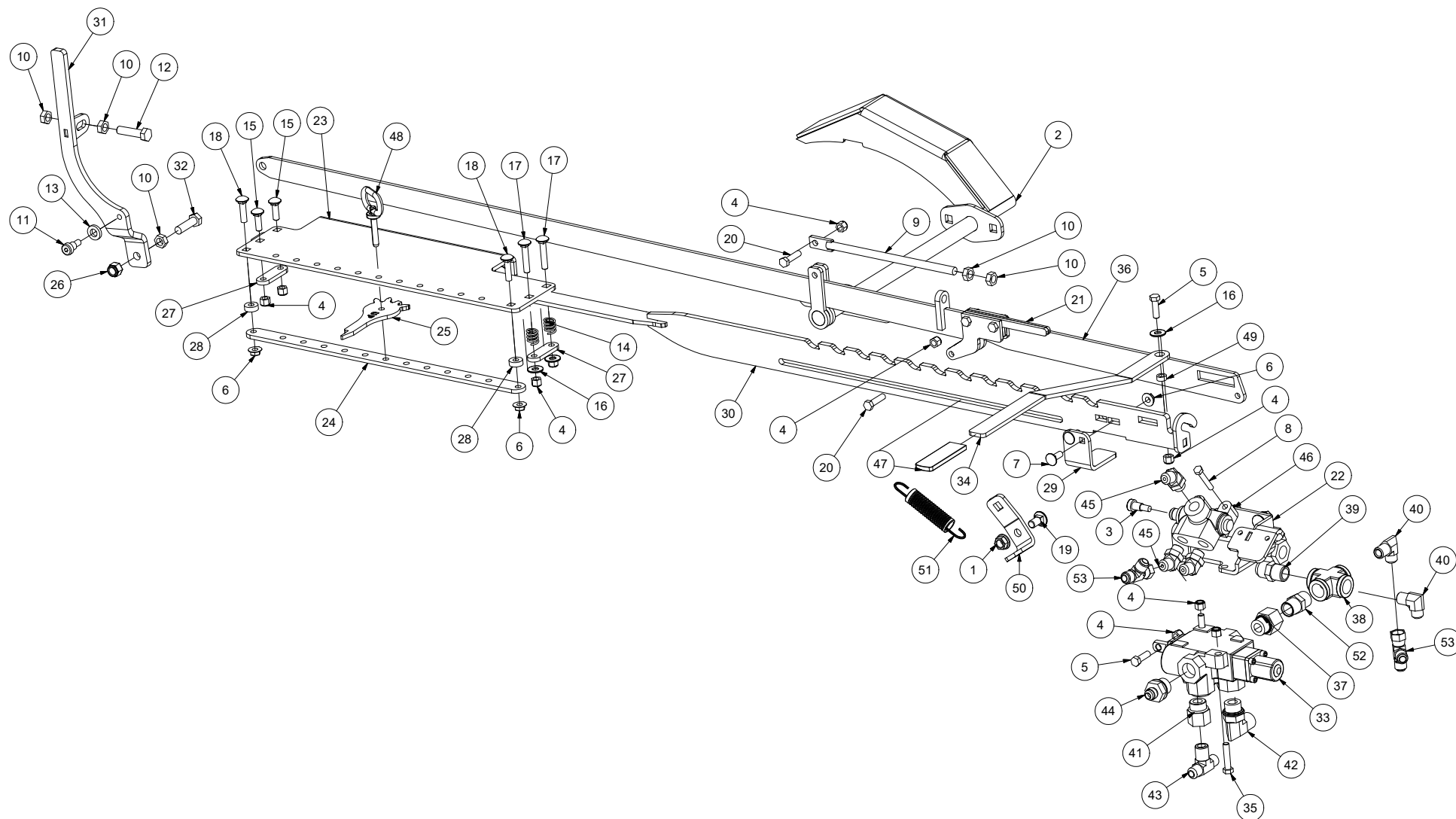


08 - REAR PART / PARTIE ARRIÈRE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	33	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
2	3	500008	HEX BOLT GR5 1/4-20 X 1 1/4	BOULON HEX GR5 1/4-20 X 1 1/4	
3	13	502006-1	FLAT WASHER 1/2 Z	RONDELLE PLATE 1/2 Z	
4	7	501031	HEX NYLON LOCKNUT GR5 5/16-18 Z	ÉCROU NYLON IND HEX GR5 5/16-18 Z	
5	5	500180	HEX BOLT GR5 1/2-13 X 2	BOULON HEX GR5 1/2-13 X 2	
6	23	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z	ÉCROU NYLON IND HEX GR5 1/2-13 Z	
7	3	500058	HEX BOLT GR5 5/16-18 X 3	BOULON HEX GR5 5/16-18 X 3	
8	4	502014	FLAT WASHER 5/16 Z	RONDELLE PLATE 5/16 Z	
9	4	451265	8 M.JIC - 8 M.ORB 90°	8 M.JIC - 8 M.ORB 90°	
10	2	244006	TEFLON	TEFLON	
11	5	451178	8 M.JIC - 8 M.ORB	8 M.JIC - 8 M.ORB	
12	2	244051-1	BALE GUIDE LOCK	BARRURE DE GUIDE BALLE	
13	2	244052-1	BALE GUIDE LOCK	BARRURE DE GUIDE BALLE	
14	4	308015	SPACER	ESPACEUR	
16	1	466014	RELIEF VALVE	LIMITEUR DE PRESSION	
17	1	244054	ENGINE GUARD	GARDE DE MOTEUR	
18	1	325115	PRESSURE HOLDER	CROCHET A PRESSION	
19	2	500366	CARRIAGE BOLT GR5 1/4-20 X 2 1/4 Z	BOULON À CARROSSERIE GR5 1/4-20 X 2 1/4 Z	
20	4	507054	HEX FLAT HEAD CAP SCREW GR5 1/2-13 X 1 1/2	VIS À TÊTE FRAISÉE HEX CREUX GR5 1/2-13 X 1 1/2	
21	1	451324	M JIC 8 - M ORB 6 TE	M JIC 8 - M ORB 6 TE	
22	2	481015	CAPUCHON	PLASTIC PLUG	

09 - AUTOMATIC SYSTEM / SYSTÈME AUTOMATIQUE

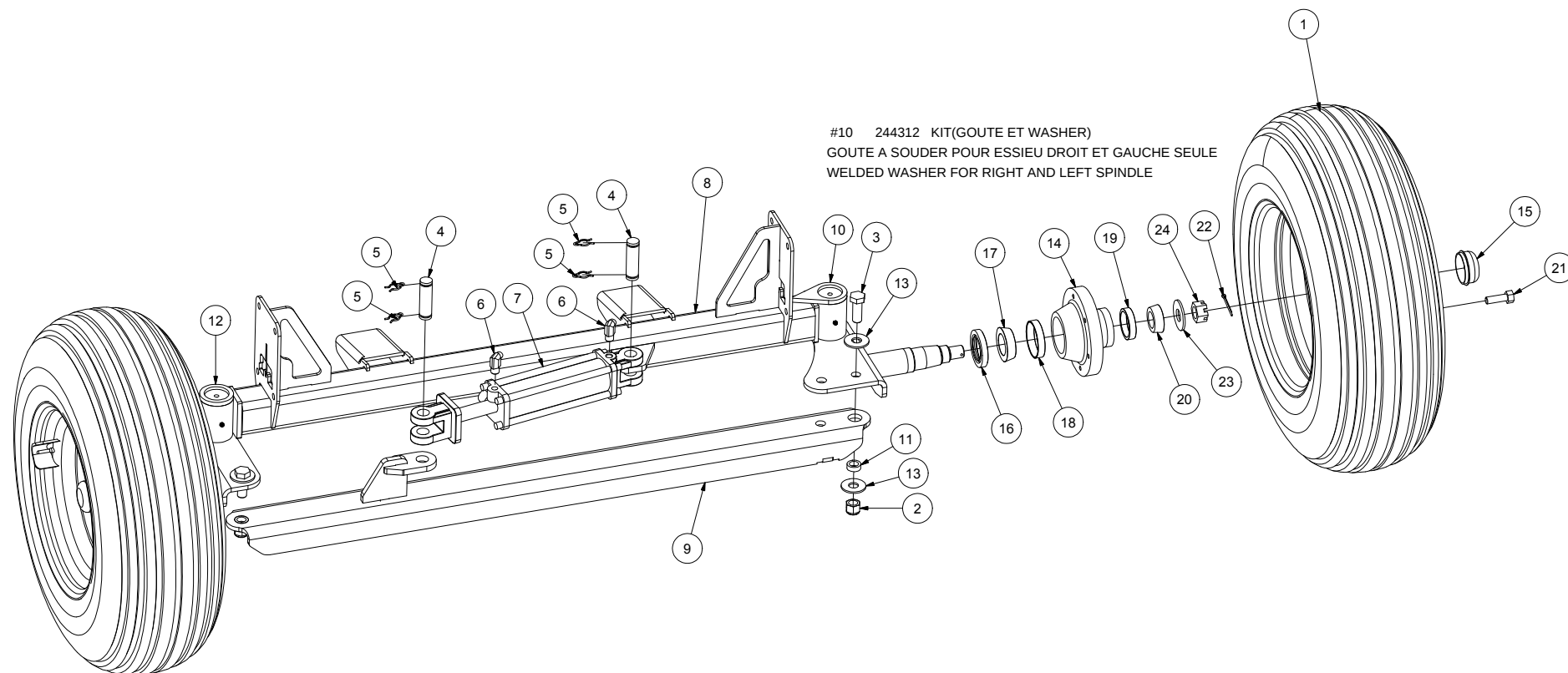


09 - AUTOMATIC SYSTEM / SYSTÈME AUTOMATIQUE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	6	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
2	1	244055-1	AUTOMATIC SYSTEM ACTIVATOR	DÉCLENCHEUR DU SYSTÈME AUTOMATIQUE	
3	1	500578	HEX SOCKET HEAD CAP SCREW 1/2 X 5/8	VIS HEX CREUX TÊTE CYLINDRIQUE 1/2 X 5/8	
4	10	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
5	4	500086	HEX BOLT GR5 3/8-16 X 1 1/4	BOULON HEX GR5 3/8-16 X 1 1/4	
6	6	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
7	2	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 Z	
8	2	500052	HEX BOLT GR5 5/16-18 X 2	BOULON HEX GR5 5/16-18 X 2	
9	1	210784	ADJUSTMEN ROD	TIGE D'AJUSTEMENT	
10	5	501004	HEX NUT 1/2-13 Z	ÉCROU HEX 1/2-13 Z	
11	1	500570	HEX SOCKET HEAD CAP SCREW 1/2 X 1/2	VIS HEX CREUX TÊTE CYLINDRIQUE 1/2 X 1/2	
12	1	500180	HEX BOLT GR5 1/2-13 X 2	BOULON HEX GR5 1/2-13 X 2	
13	1	210148	WASHER	RONDELLE	
14	2	310014	SPRING	RESSORT	
15	2	500443	CARRIAGE BOLT GR5 3/8-16 X 1 1/4 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 1/4 Z	
16	3	502004	FLAT WASHER 3/8 Z	RONDELLE PLATE 3/8 Z	
17	2	500446	CARRIAGE BOLT GR5 3/8-16 X 2 Z	BOULON À CARROSSERIE GR5 3/8-16 X 2 Z	
18	2	500444	CARRIAGE BOLT GR5 3/8-16 X 1 1/2 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 1/2 Z	
19	6	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	
20	2	500088	HEX BOLT GR5 3/8-16 X 1 1/2	BOULON HEX GR5 3/8-16 X 1 1/2	
21	1	210273	STOPPER SYSTEM	BUTOIR	
22	1	244144	VALVE SUPPORT	SUPPORT DE VALVE	
23	1	244056	RACK AND PINION SUPPORT	SUPPORT DE CRÉMAILLIÈRE	
24	1	244057	POINT PLATE SUPPORT	SUPPORT DE POINTEAU	
25	1	244058-1	RACK AND PINION POINT PLATE	POINTEAU DE CRÉMAILLIÈRE	
26	1	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z	ÉCROU NYLON IND HEX GR5 1/2-13 Z	
27	2	244059	RACK AND PINION SUPPORT PLATE	PLAQUETTE DE SUPPORT DE CRÉMAILLIÈRE	
28	2	244060	POINT PLATE SUPPORT PLATE	PLAQUETTE DE SUPPORT DE POINTEAU	
29	1	244061	AUTOMATIC SYSTEMET RETURN STOPPER	BUTOIR DE RENVOI	
30	1	244062-1	RACK AND PINION	CRÉMAILLIÈRE	
31	1	244063	MANUAL LEVER	LEVIER MANUEL	
32	1	500179	HEX BOLT GR5 1/2-13 X 1 1/2	BOULON HEX GR5 1/2-13 X 1 1/2	
33	1	465041	HYDRAULIC VALVE	VALVE HYDRAULIQUE	
34	1	244064	MANUAL HOOP TRIGGER	DÉCLENCHEUR MANUEL DE CERCEAU	
35	2	500090	HEX BOLT GR5 3/8-16 X 1 3/4	BOULON HEX GR5 3/8-16 X 1 3/4	
36	1	244065	PUSHER ACTIVATOR	ACTIVATEUR DU POUSSOIR	
37	1	451127	12 M.ORB - 12 F.NPT	12 M.ORB - 12 F.NPT	
38	1	450298	3-4 F. NPT	3-4 F. NPT	
39	1	450558	12 M.JIC - 12 M.NPT	12 M.JIC - 12 M.NPT	
40	2	450716	M JIC 8 - M NPT 8 90 DEG	M JIC 8 - M NPT 8 90 DEG	
41	1	451126	12 M.ORB - 8 F.NPT	12 M.ORB - 8 F.NPT	
42	1	451276	12 M.JIC - 12 M.ORB 90°	12 M.JIC - 12 M.ORB 90°	
43	1	450829	8 M.JIC - 8 M.NPT	8 M.JIC - 8 M.NPT	
44	1	451180	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
45	3	451229	8 M.JIC - 8 M.ORB 45°	8 M.JIC - 8 M.ORB 45°	
46	1	465890-1	HYDRAULIC VALVE	VALVE HYDRAULIQUE	
47	1	325132	PLASTIC HANDLE	POIGNÉE DE PLASTIQUE	
48	1	320121	HANDLE PIN	GOUPILLE A POIGNEE	
49	1	492039	SPACER	ESPACEUR	
50	1	210640	SPRING ATTACHMENT	ATTACHE DU RESSORT	
51	1	304001	SPRING	RESSORT	
52	1	450011	M NPT 12 - M NPT 12	M NPT 12 - M NPT 12	
53	2	450973	T 8 F.JIC - 8 M.JIC	T 8 F.JIC - 8 M.JIC	

10 - STEERING / CONDUITE

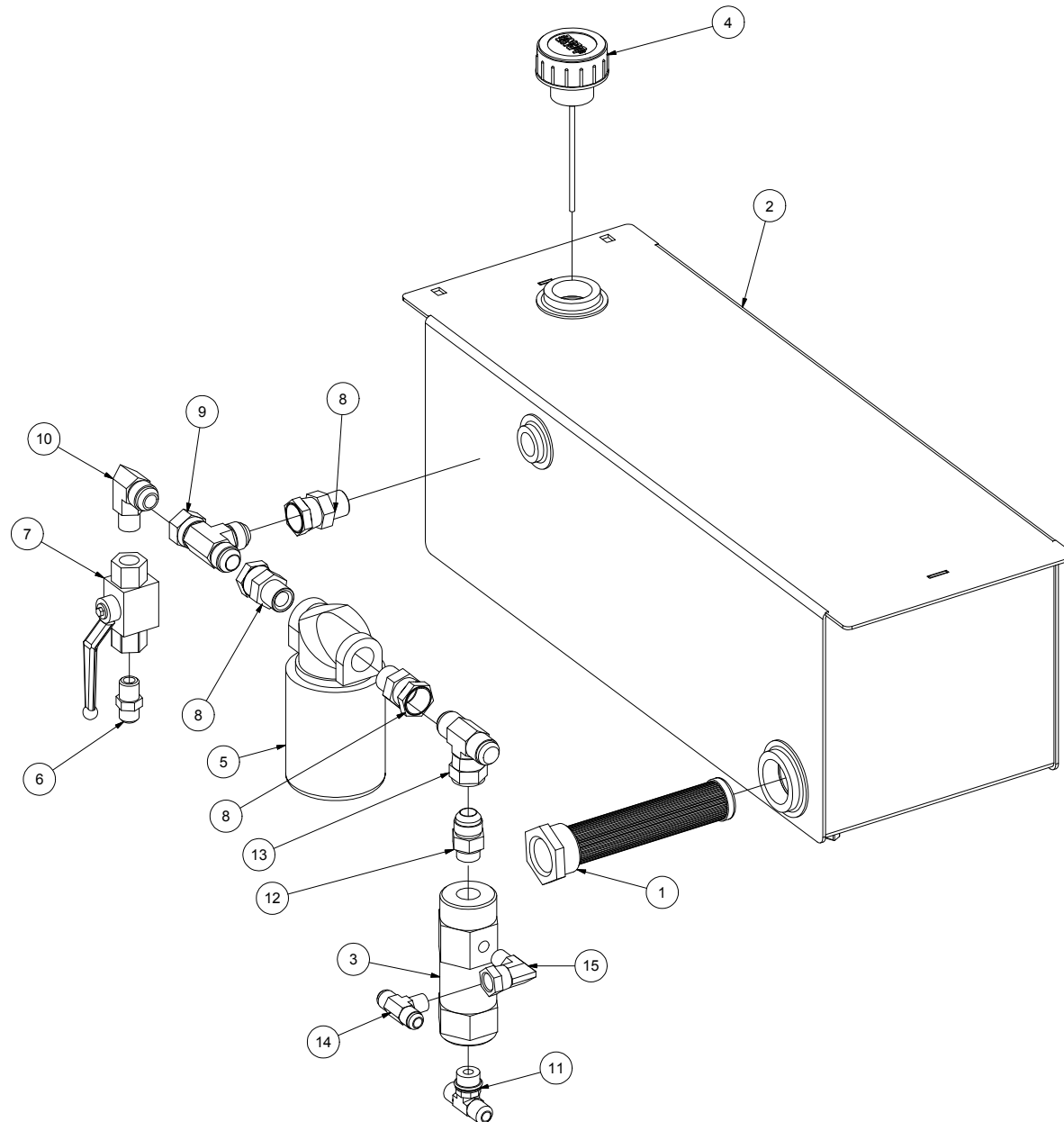


10 - STEERING / CONDUITE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	2	481507	TIRE ASSEMBLY	PNEU ASSEMBLÉ	
2	2	501036	HEX NYLON LOCKNUT GR5 3/4-10 Z	ÉCROU NYLON IND HEX GR5 3/4-10 Z	
3	2	500285	HEX BOLT GR5 3/4-10 X 2	BOULON HEX GR5 3/4-10 X 2	
4	2	467502	CYLINDER PIN 3 1/2	AXE CYLINDRE 3 1/2	
5	4	467501	HAIR PIN COTTER 1 PO	GOUPILLE EN ÉPINGLE À CHEVEUX 1PO	
6	2	450711	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
7	1	467215	HYDRAULIC CYLINDER	CYLINDRE HYDRAULIQUE	
8	1	244141	STEERING FRAME	CHASSIS DE DIRECTION	
9	1	244066	STEERING LINK	LIEN DE CONDUITE	
10	1	244067	RIGHT SPINDLE	ESSIEU DROITE	
11	2	492038	SPACER	ESAPCEUR	
12	1	244068	LEFT SPINDLE	ESSIEU GAUCHE	
13	4	502009	FLAT WASHER 3/4 Z	RONDELLE PLATE 3/4 Z	
14	2	481450	HUB	MOYEU	
15	2	481002	HUB CAP	BOUCHON DE MOYEU	
16	2	303500	RADIAL SHAFT SEAL 5000-3X2-A	JOINT RADIAL 5000-3X2-A	
17	2	303501	BEARING LM603049	ROULEMENT LM603049	
18	2	303099	BEARING LM603011	ROULEMENT LM603011	
19	2	303037	ROLLING BEARING CAGE LM48510	CAGE DE ROULEMENT LM48510	
20	2	303034	BEARING LM48548	ROULEMENT LM48548	
21	12	507016	WHEEL BOLT 9/16-18 X 1	BOULON DE ROUE 9/16-18 X 1	
22	2	320042	COTTER PIN 5/32 X 2 1/2	GOUPILLE FENDUE 5/32 X 2 1/2	
23	2	502011	FLAT WASHER 1 Z	RONDELLE PLATE 1 PO Z	
24	2	501076	HEX CASTLE NUT 1-14	ÉCROU CHÂTEAU HEX GR5 1-14	

11 - TANK ASSEMBLY / RÉSERVOIR

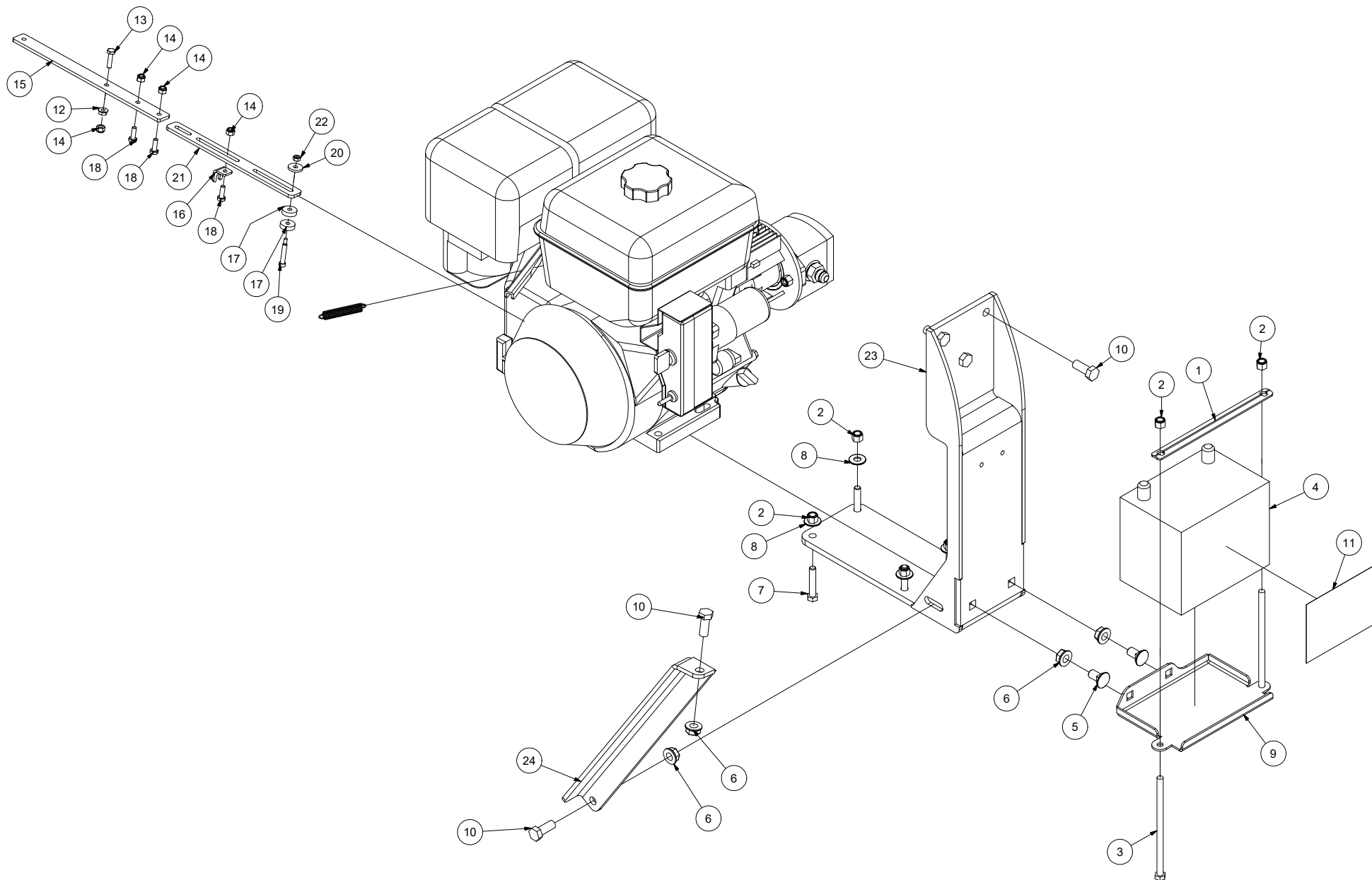


11 - TANK ASSEMBLY / RÉSERVOIR



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	470990	STRAINER	CREPINE	
2	1	210279	TANK	RÉSERVOIR	
3	1	465917	PILOT OPERATED CHECK VALVE	VALVE ANTI-RETOUR PILOTÉE	
4	1	470109	PLUG	BOUCHON	
5	1	470013	FILTER	FILTRE	
6	1	450548	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
7	1	466999	HYDRAULIC VALVE	VALVE HYDRAULIQUE	
8	3	451000	12 F.JIC - 12 M.NPT	12 F.JIC - 12 M.NPT	
9	1	450975	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
10	1	450723	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
11	1	451313-1	8 M.JIC - 10 M.ORB	8 M.JIC - 10 M.ORB	
12	1	451189	12 M.JIC - 10 M.ORB	12 M.JIC - 10 M.ORB	
13	1	450985	12 M.JIC - 12 F.JIC	12 M.JIC - 12 F.JIC	
14	1	450828	8 M.JIC - 6 M.NPT	8 M.JIC - 6 M.NPT	
15	1	451413	6 M.ORB - 6 F.NPSM 90°	6 M.ORB - 6 F.NPSM 90°	

12 - ENGINE / MOTEUR

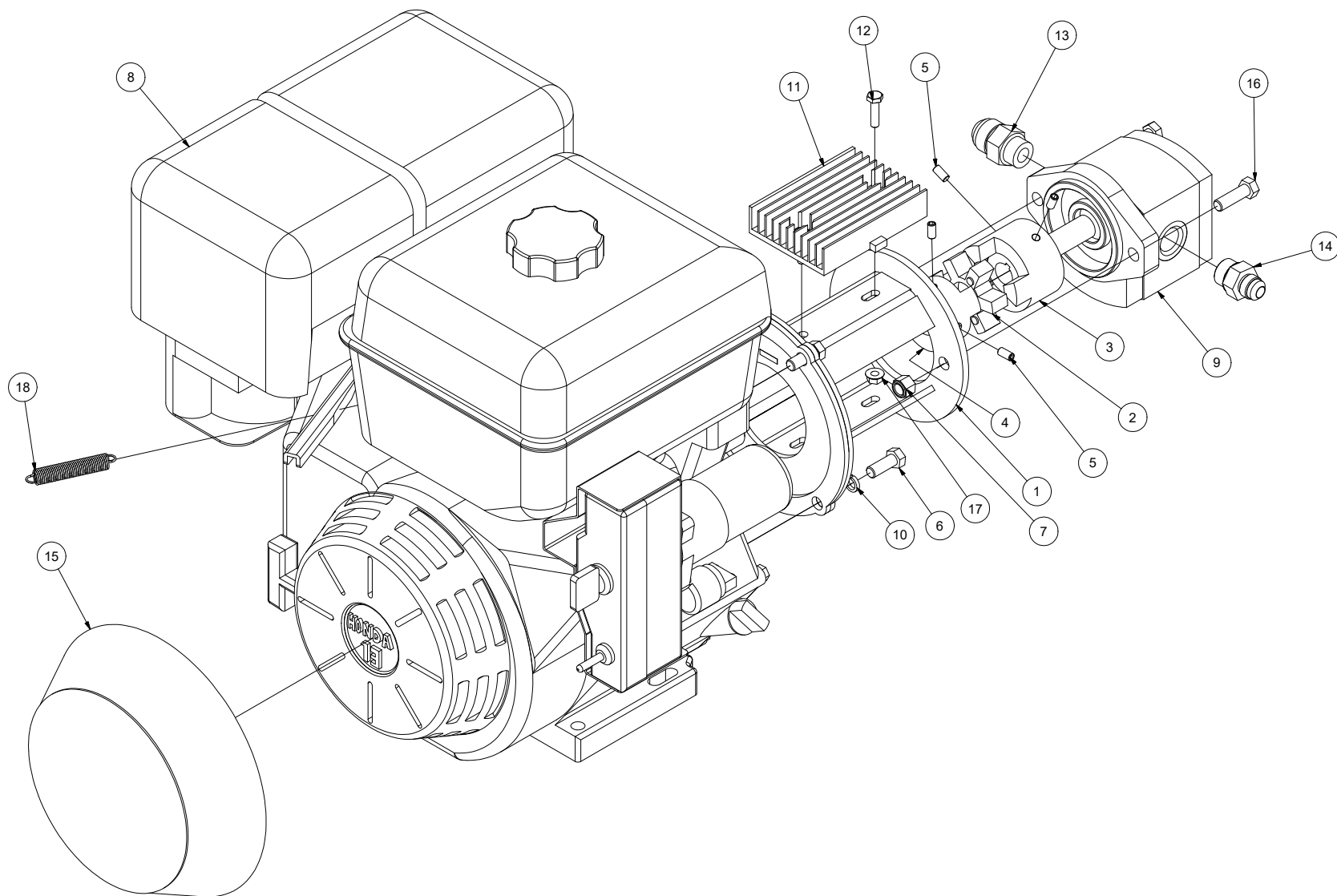


12 - ENGINE / MOTEUR



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210650	BATTERY LOCK	BARRURE DE BATTERIE	
2	6	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
3	2	500114	HEX BOLT GR5 3/8-16 X 7	BOULON HEX GR5 3/8-16 X 7	
4	1	470113	BATTERY	BATTERIE	
5	2	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	
6	4	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
7	4	500092	HEX BOLT GR5 3/8-16 X 2	BOULON HEX GR5 3/8-16 X 2	
8	4	502004	FLAT WASHER 3/8 Z	RONDELLE PLATE 3/8 Z	
9	1	244069	BATTERY SUPPORT	SUPPORT DE BATTERIE	
10	5	500175	HEX BOLT GR5 1/2-13 X 1 1/4	BOULON HEX GR5 1/2-13 X 1 1/4	
11	1	404179	FLUO BATTERY DECAL	DÉCALQUE BATTERIE FLUO	
12	1	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
13	1	500006	HEX BOLT GR5 1/4-20 X 1	BOULON HEX GR5 1/4-20 X 1	
14	4	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
15	1	081-RPM-003	ADJUSTABLE PLATE	PLAQUE AJUSTABLE	
16	1	244080	CABLE HANGER	FIXATION DU CABLE	
17	2	244081	SPACER	ESPACEUR	
18	3	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	
19	1	500582	HEX SOCKET HEAD CAP SCREW 1/4 X 1 1/4	VIS HEX CREUX TÊTE CYLINDRIQUE 1/4 X 1 1/4	
20	1	244083	SPACER	ESPACEUR	
21	1	244082	ADJUSTMENT PLATE	PLAQUE D'AJUSTEMENT	
22	1	501050	HEX NYLON LOCKNUT GR5 #10-24	ÉCROU NYLON HEX GR5 #10-24	
23	1	244070-1	MOTOR SUPPORT	SUPPORT MOTEUR	
24	1	244145	BRACE	RENFORT	

12 - ENGINE / MOTEUR

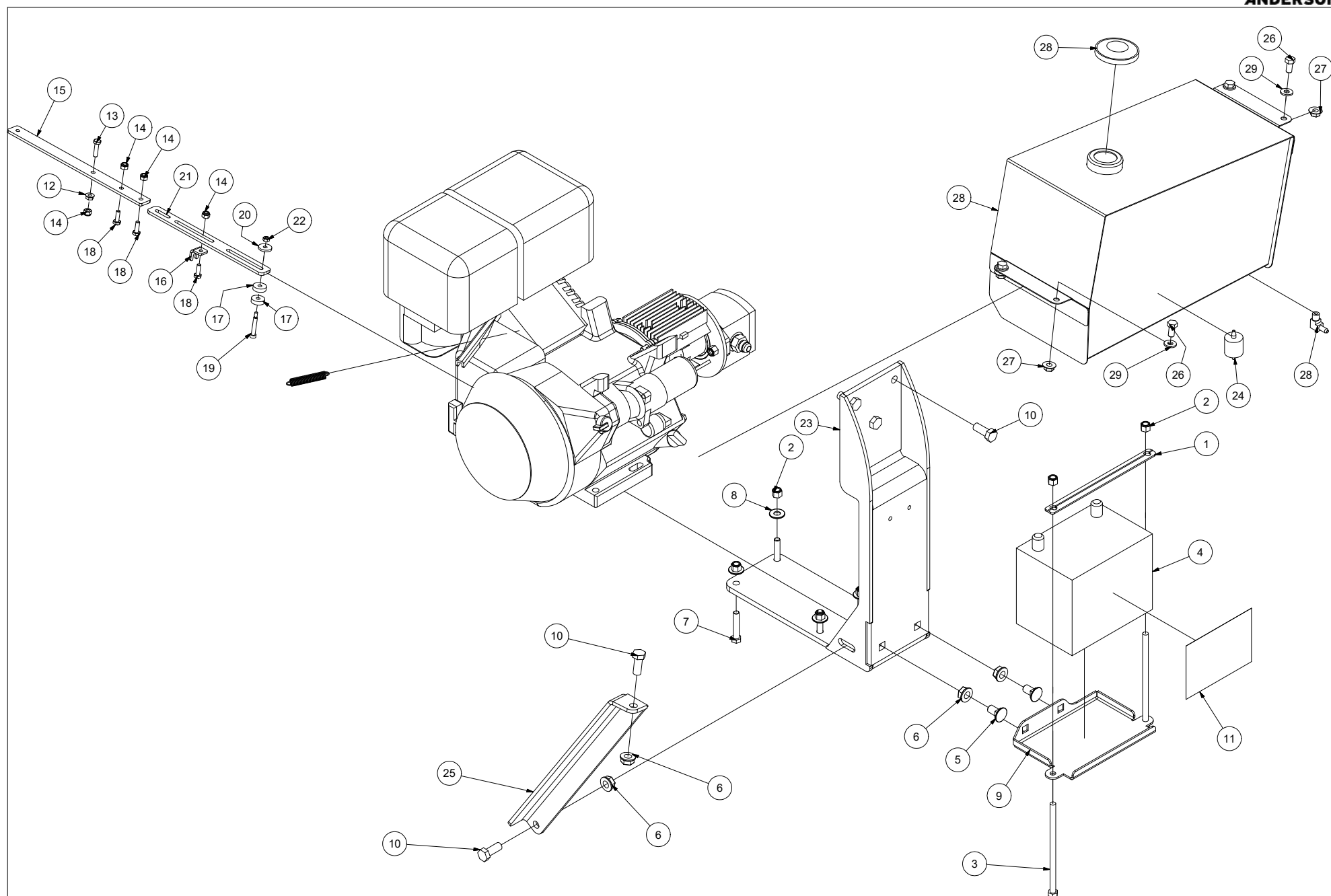


12 - ENGINE / MOTEUR



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	322008	PUMP ADAPTER	ADAPTEUR DE POMPE	
2	1	322020	INSERT	ENTRE DEUX	
3	1	322042	COUPLING	ACCOUPEMENT	
4	1	322050	COUPLING	ACCOUPEMENT	
5	4	507003	HEX SOCKET SET SCREW CUP 1/4-20 X 1/2	VIS À PRESSION HEX CREUX 1/4-20 X 1/2	
6	4	500084	HEX BOLT GR5 3/8-16 X 1	BOULON HEX GR5 3/8-16 X 1	
7	2	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
8	1	610006	ENGINE	MOTEUR	
9	1	468003	HYDRAULIC PUMP	POMPE HYDRAULIQUE	
10	4	502045	LOCK WASHER 3/8	RONDELLE DE BLOCAGE 3/8	
11	1	605009-1	VOLTAGE REGULATOR	RÉGULATEUR DE VOLTAGE	
12	2	500006	HEX BOLT GR5 1/4-20 X 1	BOULON HEX GR5 1/4-20 X 1	
13	1	451189	12 M.JIC - 10 M.ORB	12 M.JIC - 10 M.ORB	
14	1	451179	8 M JIC - 10 M ORB	8 M JIC - 10 M ORB	
15	1	210649	AIR FILTER	FILTRE A AIR	
16	2	500086	HEX BOLT GR5 3/8-16 X 1 1/4	BOULON HEX GR5 3/8-16 X 1 1/4	
17	2	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
18	1	304026	SPRING	RESSORT	

12 - ENGINE / MOTEUR

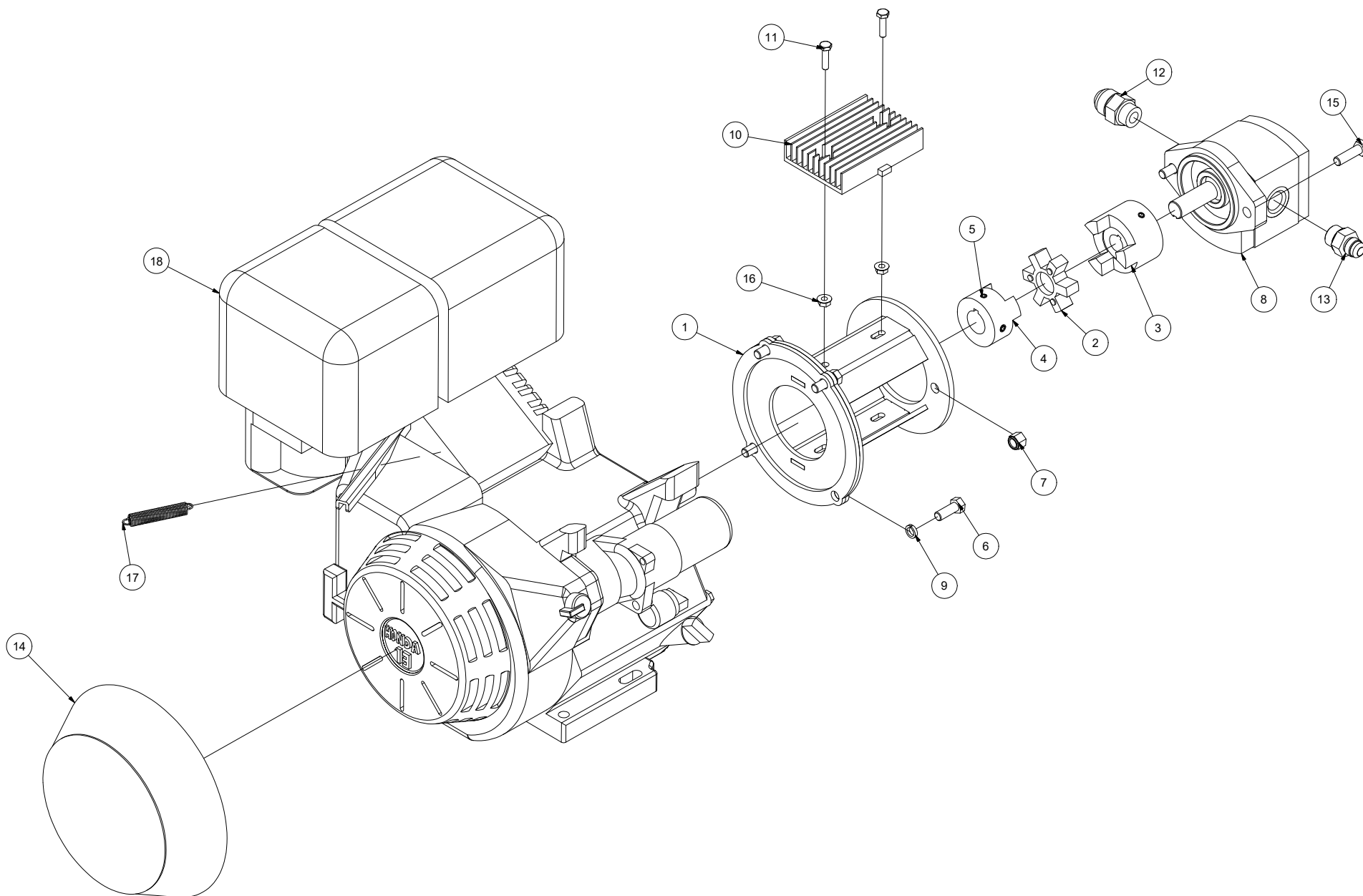


12 - ENGINE / MOTEUR



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210650	BATTERY LOCK	BARRURE DE BATTERIE	
2	6	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
3	2	500114	HEX BOLT GR5 3/8-16 X 7	BOULON HEX GR5 3/8-16 X 7	
4	1	470113	BATTERY	BATTERIE	
5	2	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	
6	4	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
7	4	500092	HEX BOLT GR5 3/8-16 X 2	BOULON HEX GR5 3/8-16 X 2	
8	4	502004	FLAT WASHER 3/8 Z	RONDELLE PLATE 3/8 Z	
9	1	244069	BATTERY SUPPORT	SUPPORT DE BATTERIE	
10	5	500175	HEX BOLT GR5 1/2-13 X 1 1/4	BOULON HEX GR5 1/2-13 X 1 1/4	
11	1	404179	FLUO BATTERY DECAL	DÉCALQUE BATTERIE FLUO	
12	1	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
13	1	500006	HEX BOLT GR5 1/4-20 X 1	BOULON HEX GR5 1/4-20 X 1	
14	4	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
15	1	081-RPM-003	ADJUSTABLE PLATE	PLAQUE AJUSTABLE	
16	1	244080	CABLE HANGER	FIXATION DU CABLE	
17	2	244081	SPACER	ESPACEUR	
18	3	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	
19	1	500582	HEX SOCKET HEAD CAP SCREW 1/4 X 1 1/4	VIS HEX CREUX TÊTE CYLINDRIQUE 1/4 X 1 1/4	
20	1	244083	SPACER	ESPACEUR	
21	1	244082	ADJUSTMENT PLATE	PLAQUE D'AJUSTEMENT	
22	1	501050	HEX NYLON LOCKNUT GR5 #10-24	ÉCROU NYLON HEX GR5 #10-24	
23	1	244070-1	MOTOR SUPPORT	SUPPORT MOTEUR	
24	1	470072	GAS FILTER	FILTRE À ESSENCE	
25	1	244145	BRACE	RENFORT	
26	4	500082	HEX BOLT GR5 3/8-16 X 3/4	BOULON HEX GR5 3/8-16 X 3/4	
27	4	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
28	1				
29	4	502109	RUBBER FLAT WASHER 3/8x0.093	RONDELLE CAOUTCHOUC 3/8x0.093	

12 - ENGINE / MOTEUR

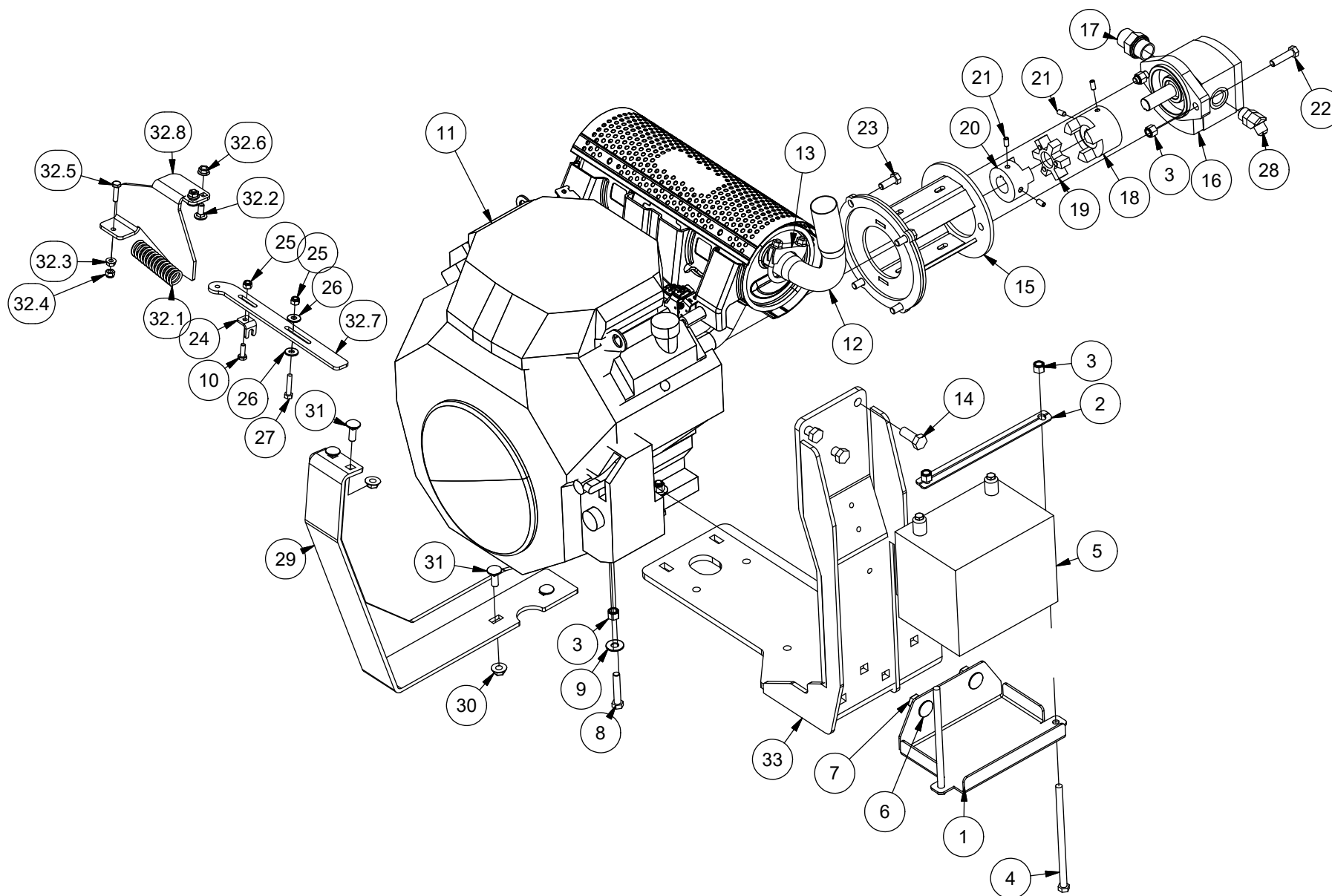


12 - ENGINE / MOTEUR



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	322008	PUMP ADAPTER	ADAPTEUR DE POMPE	
2	1	322020	INSERT	ENTRE DEUX	
3	1	322042	COUPLING	ACCOUPEMENT	
4	1	322050	COUPLING	ACCOUPEMENT	
5	4	507003	HEX SOCKET SET SCREW CUP 1/4-20 X 1/2	VIS À PRESSION HEX CREUX 1/4-20 X 1/2	
6	4	500084	HEX BOLT GR5 3/8-16 X 1	BOULON HEX GR5 3/8-16 X 1	
7	2	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
8	1	468003	HYDRAULIC PUMP	POMPE HYDRAULIQUE	
9	4	502045	LOCK WASHER 3/8	RONDELLE DE BLOCAGE 3/8	
10	1	605009-1	VOLTAGE REGULATOR	RÉGULATEUR DE VOLTAGE	
11	2	500006	HEX BOLT GR5 1/4-20 X 1	BOULON HEX GR5 1/4-20 X 1	
12	1	451189	12 M.JIC - 10 M.ORB	12 M.JIC - 10 M.ORB	
13	1	451179	8 M JIC - 10 M ORB	8 M JIC - 10 M ORB	
14	1	210649	AIR FILTER	FILTRE A AIR	
15	2	500086	HEX BOLT GR5 3/8-16 X 1 1/4	BOULON HEX GR5 3/8-16 X 1 1/4	
16	2	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
17	1	304026	SPRING	RESSORT	
18	1	610007	ENGINE	MOTEUR	

12 - OPTIONAL 20HP ENGINE / MOTEUR 20HP OPTIONNEL

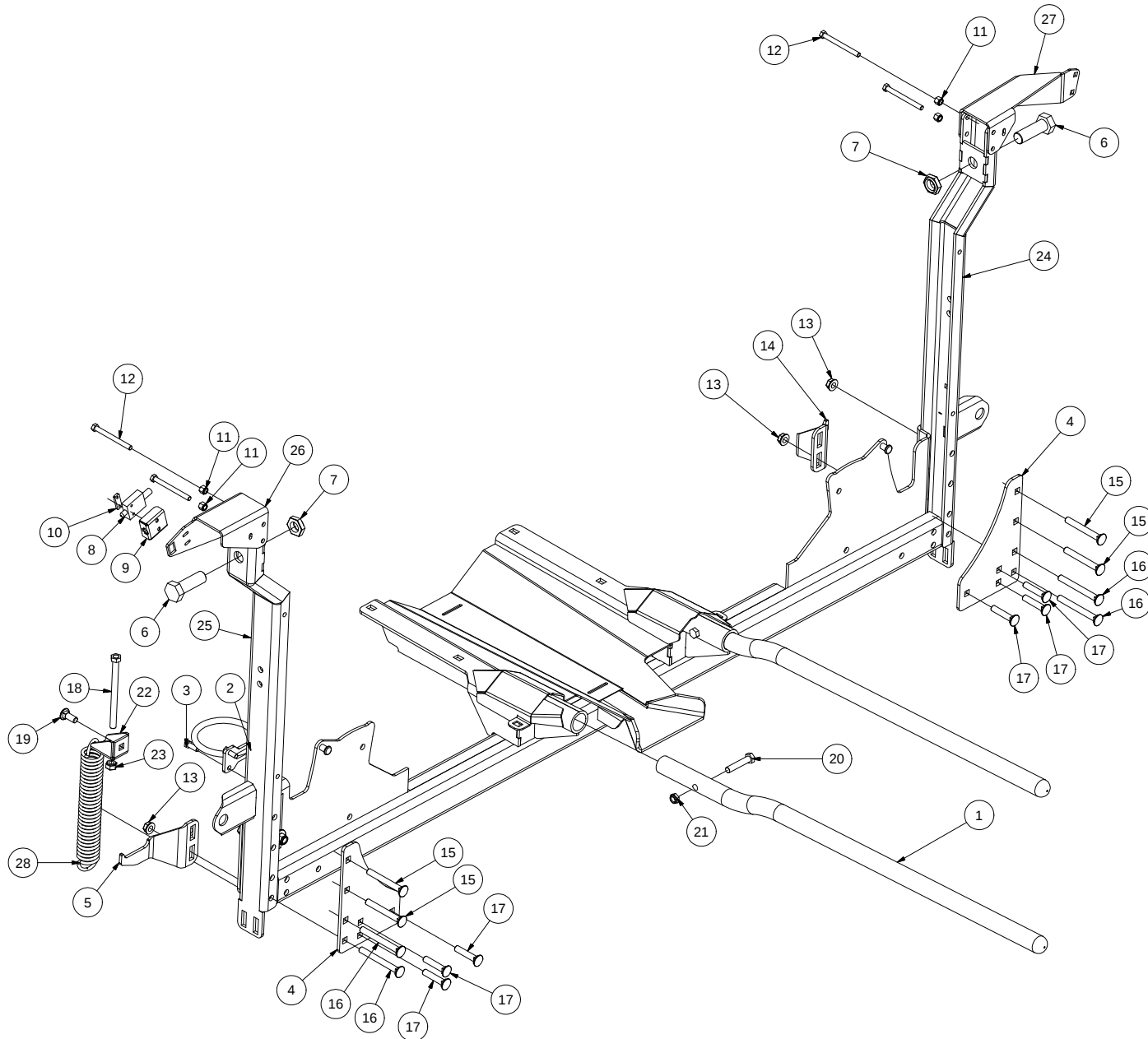


12 - OPTIONAL 20HP ENGINE / MOTEUR 20HP OPTIONNEL



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210652	BATTERY SUPPORT	SUPPORT DE BATTERIE	
2	1	210650	BATTERY LOCK	BARRURE DE BATTERIE	
3	8	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
4	2	500114	HEX BOLT GR5 3/8-16 X 7	BOULON HEX GR5 3/8-16 X 7	
5	1	470113	BATTERY	BATTERIE	
6	2	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	
7	2	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
8	4	500092	HEX BOLT GR5 3/8-16 X 2	BOULON HEX GR5 3/8-16 X 2	
9	4	502004	FLAT WASHER 3/8 Z	RONDELLE PLATE 3/8 Z	
10	3	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	
11	1	612000	20HP ENGINE	MOTEUR 20 HP	
12	1	308023	EXHAUST	TUYAU D'ÉCHAPPEMENT	
13	1	507102	COLLAR EXHAUST PIPE	COLLET TUYAU D'ÉCHAPPEMENT	
14	3	500175	HEX BOLT GR5 1/2-13 X 1 1/4	BOULON HEX GR5 1/2-13 X 1 1/4	
15	1	322008	PUMP ADAPTER	ADAPTEUR DE POMPE	
16	1	468502	HYDRAULIC PUMP	POMPE HYDRAULIQUE	
17	1	451190	12 M.JIC - 12 M.ORB	12 M.JIC - 12 M.ORB	
18	1	322042	COUPLING	ACCOUPLEMENT	
19	1	322020	INSERT	ENTRE DEUX	
20	1	322050	COUPLING	ACCOUPLEMENT	
21	4	507003	HEX SOCKET SET SCREW CUP 1/4-20 X 1/2	VIS À PRESSION HEX CREUX 1/4-20 X 1/2	
22	2	500088	HEX BOLT GR5 3/8-16 X 1 1/2	BOULON HEX GR5 3/8-16 X 1 1/2	
23	4	500084	HEX BOLT GR5 3/8-16 X 1	BOULON HEX GR5 3/8-16 X 1	
24	1	244080	CABLE HANGER	FIXATION DU CABLE	
25	2	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
26	2	502002	FLAT WASHER 1/4 Z	RONDELLE PLATE 1/4 Z	
27	1	500008	HEX BOLT GR5 1/4-20 X 1 1/4	BOULON HEX GR5 1/4-20 X 1 1/4	
28	1	451230	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
29	1	244136-1	ENGINE SUPPORT REINFORCMENT	RENFORT SUPPORT DE MOTEUR	
30	4	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
31	4	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 Z	
32.1	1	310015	SPRING	RESSORT	
32.2	2	500401	CARRIAGE BOLT	BOULON DE CARROSSERIE	
32.3	1	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
32.4	1	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
32.5	1	500006	HEX BOLT GR5 1/4-20 X 1	BOULON HEX GR5 1/4-20 X 1	
32.6	2	501021	HEX FLANGE NUT GR2 5/16-18 Z	ÉCROU À EMBASE HEX GR2 5/16-18 Z	
32.7	1	244134	ADJUSTMENT PLATE	PLAQUE D'AJUSTEMENT	
32.8	1	244137-1	RPM STOPPER	BLOQUEUR DU RPM	
33	1	244135	ENGINE SUPPORT (20HP)	SUPPORT DE MOTEUR (20HP)	

13 - HOOP SUPPORT / SUPPORT DE CERCEAU

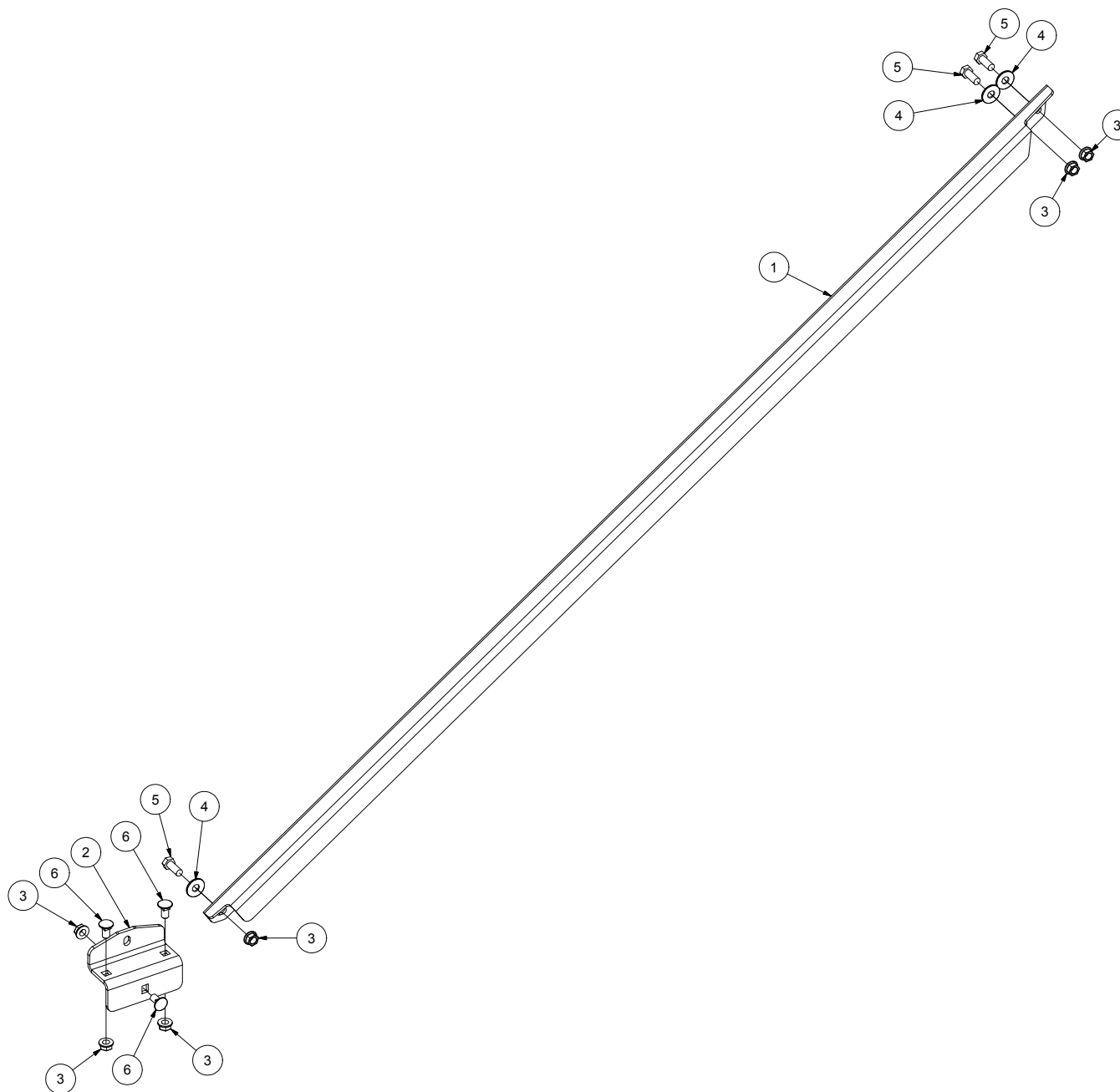


13 - HOOP SUPPORT / SUPPORT DE CERCEAU



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	2	210620-2	SPEAR	PIC	
2	1	210892	RING	ANNEAU	
3	2	500084	HEX BOLT GR5 3/8-16 X 1	BOULON HEX GR5 3/8-16 X 1	
4	2	244071	FIXATION PLATE	PLAQUE DE FIXATION	
5	1	244072	CYLINDER RIGHT SUPPORT	SUPPORT DROIT DE CYLINDRE	
6	2	500326	HEX BOLT GR5 1-8 X 3 Z	BOULON HEX GR5 1-8 X 3 Z	
7	2	501057	HEX HALF NUT GR5 1-8 Z	DEMI ÉCROU HEX GR5 1-8 Z	
8	1	315160	EMERGENCY STOP	ARRÊT D'URGENCE	
9	1	210839	SWITCH PROTECTOR	PROTECTEUR D'INTERRUPTEUR	
10	1	242073-210840	SPACER	ESPACEUR	
11	4	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
12	4	500104	HEX BOLT GR5 3/8-16 X 4	BOULON HEX GR5 3/8-16 X 4	
13	14	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
14	1	244074	CYLINDER LEFT SUPPORT	SUPPORT GAUCHE DE CYLINDRE	
15	4	500510	CARRIAGE BOLT GR5 1/2-13 X 4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 4 Z	
16	4	500511	CARRIAGE BOLT GR5 1/2-13 X 4 1/2 Z	BOULON À CARROSSERIE GR5 1/2-13 X 4 1/2 Z	
17	6	500506	CARRIAGE BOLT GR5 1/2-13 X 2 1/2 Z	BOULON À CARROSSERIE GR5 1/2-13 X 2 1/2 Z	
18	1	210817	ADJUSTMENT ROD	TIGE D'AJUSTEMENT	
19	1	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/4 Z	
20	2	500182	HEX BOLT GR5 1/2-13 X 2 1/2	BOULON HEX GR5 1/2-13 X 2 1/2	
21	2	501054	HEX HALF NYLON LOCKNUT GR5 1/2-13 Z	DEMI ÉCROU NYLON IND HEX GR5 1/2-13 Z	
22	1	244075	ADJUSTMENT PLATE	PLAQUE D'AJUSTEMENT	
23	1	507014	WELD NUT	ÉCROU À SOUDER	
24	1	244210	HOOP LEFT SUPPORT	SUPPORT GAUCHE DE CERCEAU	
25	1	244211	HOOP RIGHT SUPPORT	SUPPORT DROIT DE CERCEAU	
26	1	244212	RIGHT GUARD FIXATION	FIXATION DE GRILLAGE DROIT	
27	1	244213	LEFT GUARD FIXATION	FIXATION DE GRILLAGE GAUCHE	
28	1	304013	SPRING	RESSORT	

13 - HOOP SUPPORT / SUPPORT DE CERCEAU

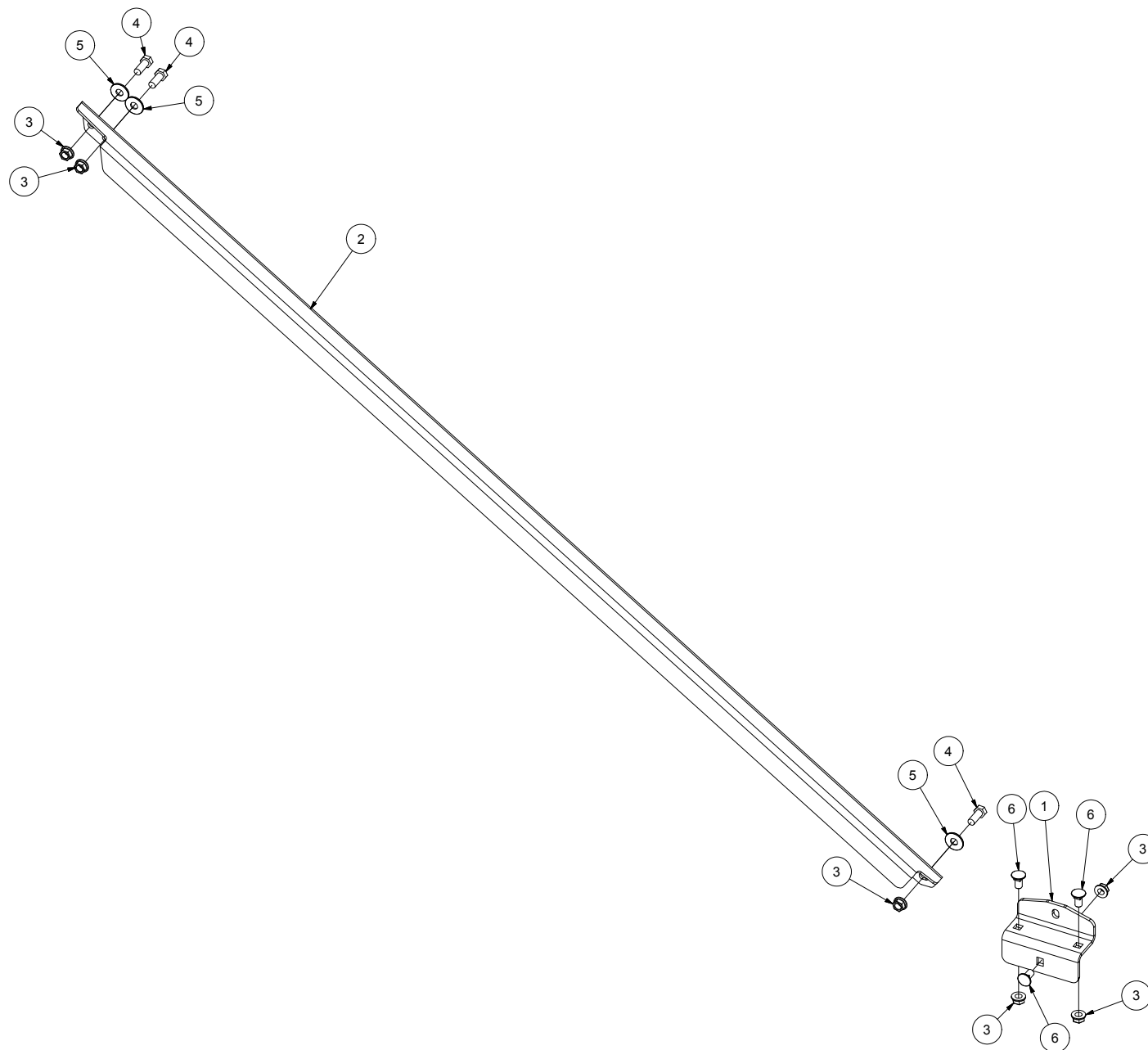


13 - HOOP SUPPORT / SUPPORT DE CERCEAU



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244215	RIGHT HOOP REINFORCEMENT	RENFORT DE CERCEAU DROIT	
2	1	244214	REINFORCEMENT SUPPORT	SUPPORT RENFORT	
3	6	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
4	3	502006	FLAT WASHER 1/2 Z	RONDELLE PLATE 1/2 Z	
5	3	500175	HEX BOLT GR5 1/2-13 X 1 1/4	BOULON HEX GR5 1/2-13 X 1 1/4	
6	3	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	

13 - HOOP SUPPORT / SUPPORT DE CERCEAU

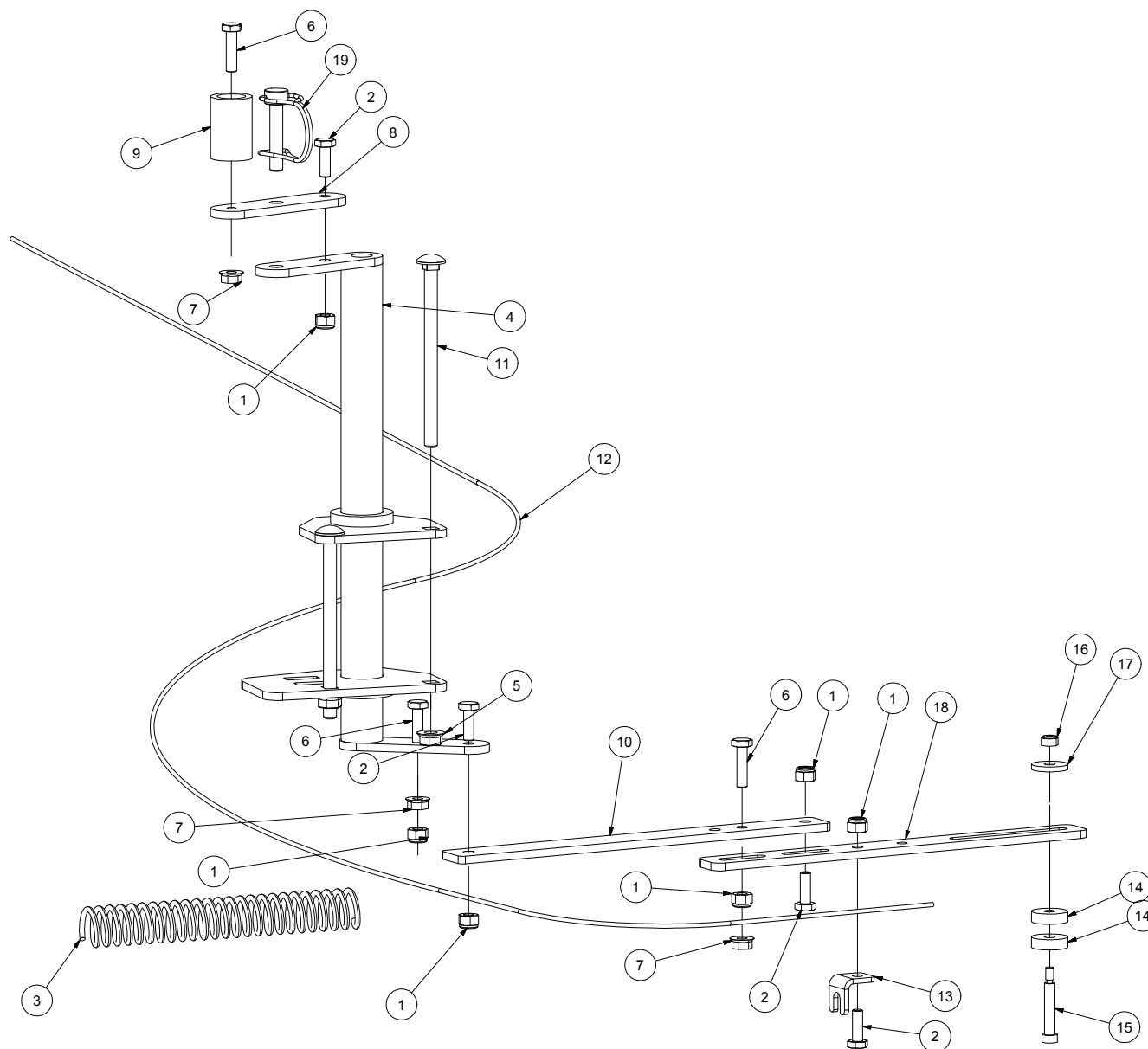


13 - HOOP SUPPORT / SUPPORT DE CERCEAU



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244214	REINFORCEMENT SUPPORT	SUPPORT RENFORT	
2	1	244216	LEFT HOPP REINFORCEMENT	RENFORT DE CERCEAU GAUCHE	
3	6	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
4	3	500175	HEX BOLT GR5 1/2-13 X 1 1/4	BOULON HEX GR5 1/2-13 X 1 1/4	
5	3	502006	FLAT WASHER 1/2 Z	RONDELLE PLATE 1/2 Z	
6	3	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	

14 - RPM CONTROLLER / CONTROLEUR DE RPM



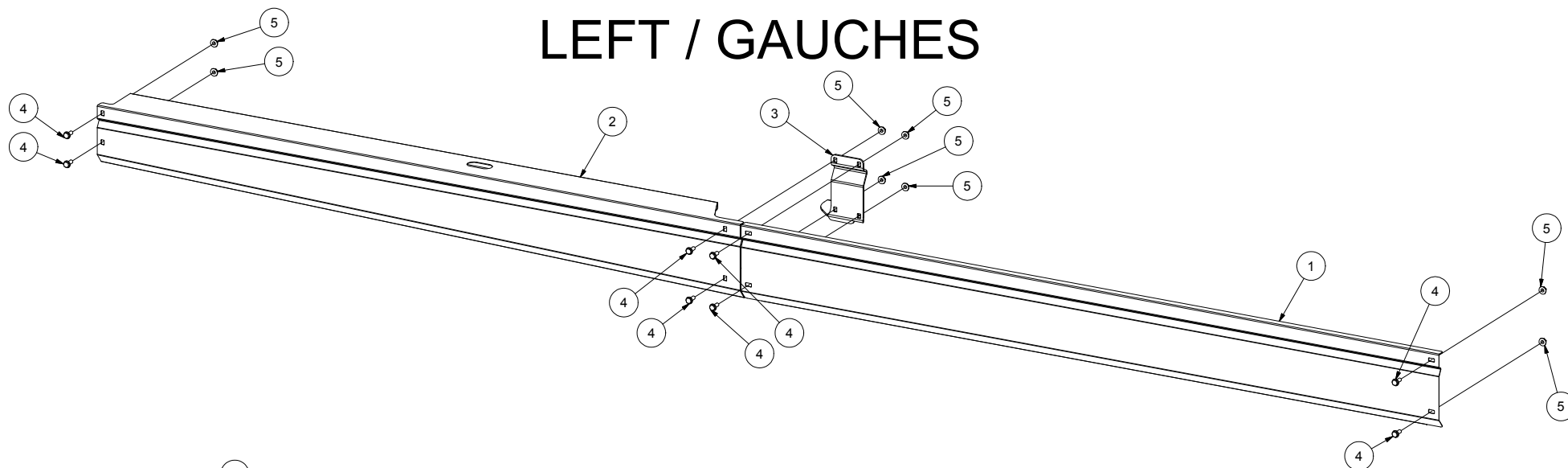
14 - RPM CONTROLER / CONTROLEUR DE RPM



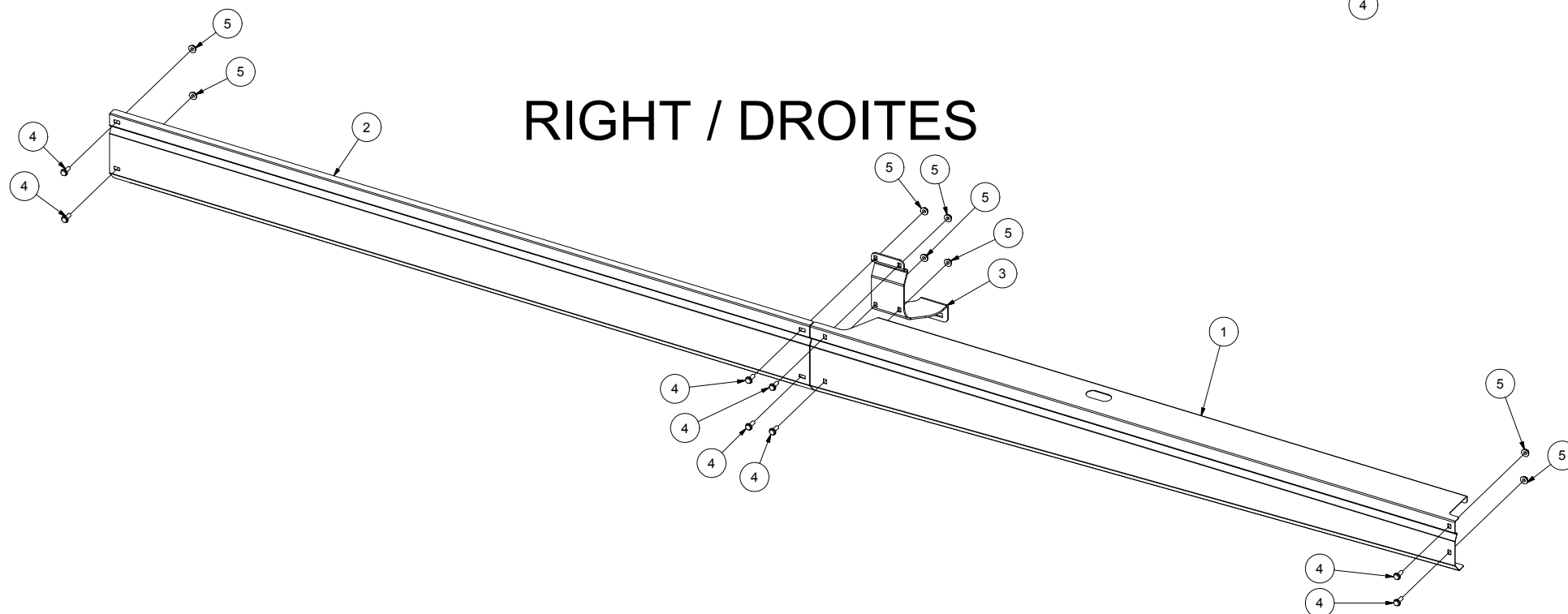
ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	6	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
2	4	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	
3	1	310015	SPRING	RESSORT	
4	1	244079	RPM CONTROLER	CONTROLEUR DE RPM	
5	2	501021	HEX FLANGE NUT GR2 5/16-18 Z	ÉCROU À EMBASE HEX GR2 5/16-18 Z	
6	3	500006	HEX BOLT GR5 1/4-20 X 1	BOULON HEX GR5 1/4-20 X 1	
7	3	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
8	1	210624-2	ACTIVATION PLATE	PLAQUE D'ACTIVATION	
9	1	306031	STOPPER	BUTOIR	
10	1	210775-2	ADJUSTABLE PLATE	PLAQUE AJUSTABLE	
11	2	500412	CARRIAGE BOLT GR5 5/16-18 X 4 1/2 Z	BOULON À CARROSSERIE GR5 5/16-18 X 4 1/2 Z	
12	1	325237	RPM CABLE	CÂBLE DU RÉGIME MOTEUR	
13	1	244080	CABLE HANGER	FIXATION DU CABLE	
14	2	244081	SPACER	ESPACEUR	
15	1	500582	HEX SOCKET HEAD CAP SCREW 1/4 X 1 1/4	VIS HEX CREUX TÊTE CYLINDRIQUE 1/4 X 1 1/4	
16	1	501050	HEX NYLON LOCKNUT GR5 10-24 Z	ÉCROU NYLON IND HEX GR5 10-24 Z	
17	1	244083	SPACER	ESPACEUR	
18	1	244082	ADJUSTMENT PLATE	PLAQUE D'AJUSTEMENT	
19	1	320031	LOCK PIN	BARRURE	

15 - FENDERS / AILES

LEFT / GAUCHES



RIGHT / DROITES



15 - FENDERS / AILES



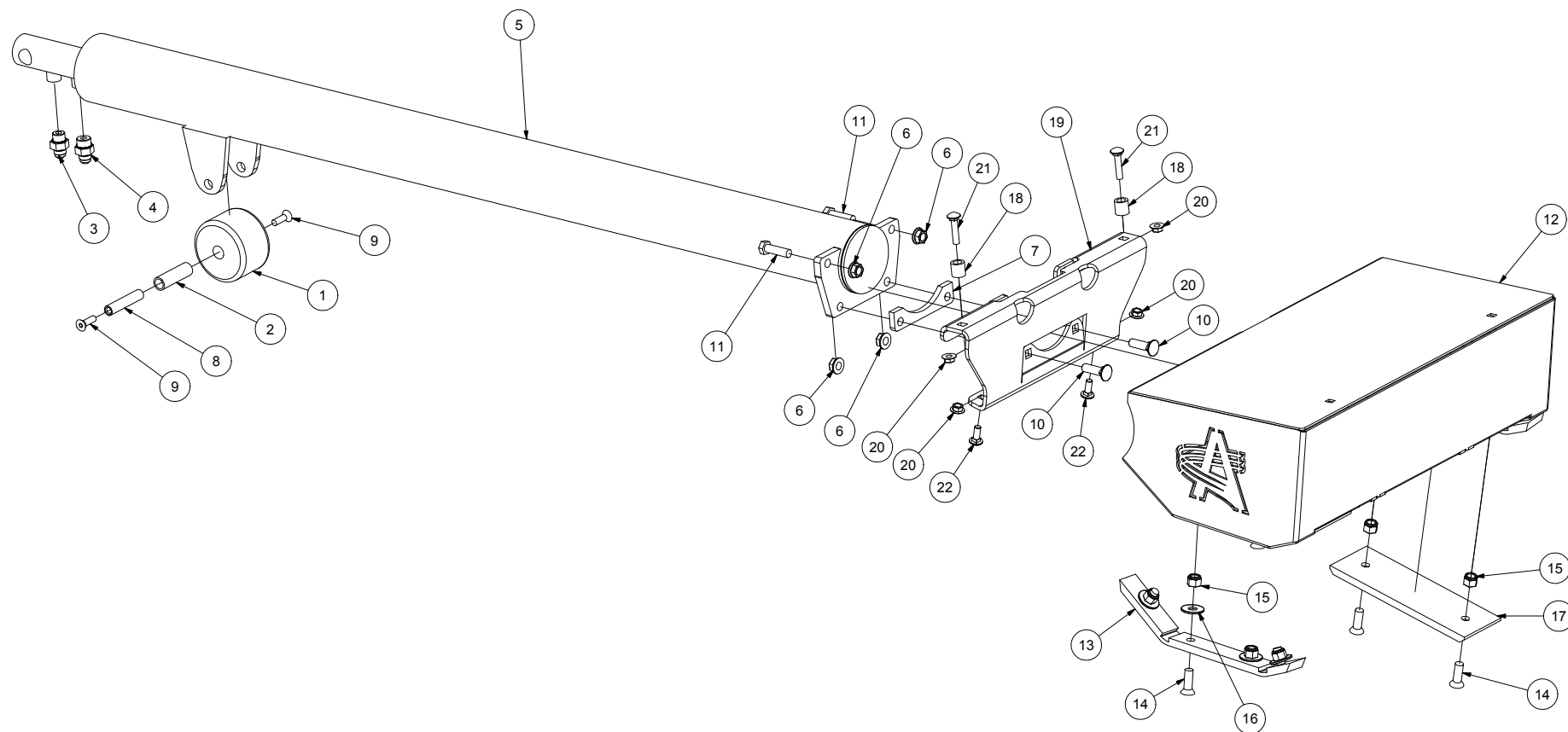
ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244084	REAR FENDER	AILE ARRIÈRE	
2	1	242062	LEFT FRONT FENDER	AILE AVANT GAUCHE	
3	1	244085	LEFT FENDERS SUPPORT	SUPPORT D'AILES GAUCHES	
4	8	500602	HEX FLANGE BOLT GR5 3/8-16 X 1 Z	BOULON À EMBASE HEX GR5 3/8-16 X 1 Z	
5	8	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	

LEFT / GAUCHES

RIGHT / DROITES

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	242064	RIGHT FRONT FENDER	AILE AVANT DROITE	
2	1	244084	REAR FENDER	AILE ARRIÈRE	
3	1	244086	RIGHT FENDERS SUPPORT	SUPPORT D'AILES DROITES	
4	8	500602	HEX FLANGE BOLT GR5 3/8-16 X 1 Z	BOULON À EMBASE HEX GR5 3/8-16 X 1 Z	
5	8	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	

16 - XTRACTOR CYLINDER / CYLINDRE XTRACTOR

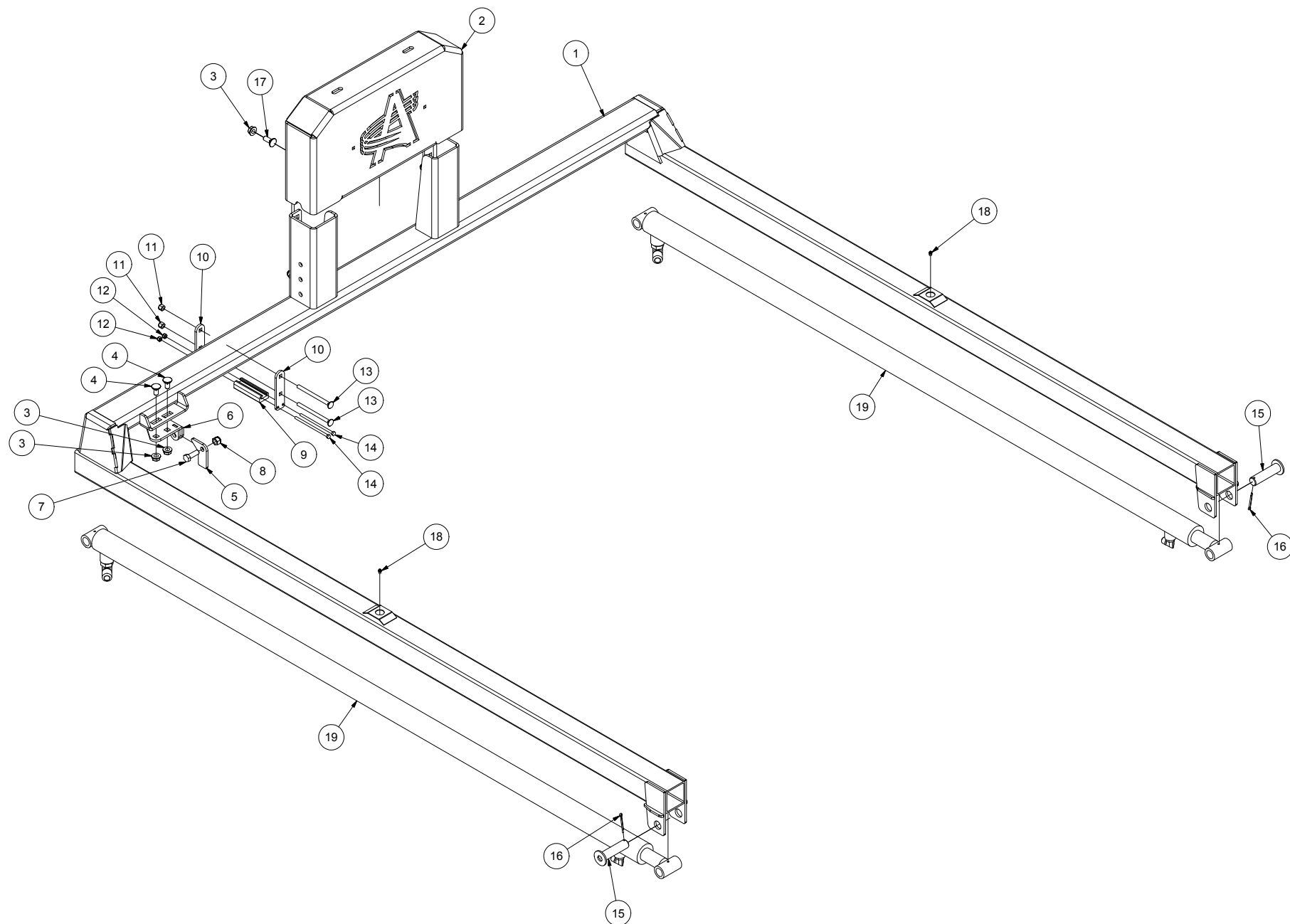


16 - XTRACTOR CYLINDER / CYLINDRE XTRACTOR



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	308007	CYLINDER WHEEL	ROUE DU CYLINDRE	
2	1	308013	SPACER BUSHING	MANCHON D'ESPACEMENT	
3	1	451178	8 M.JIC - 8 M.ORB	8 M.JIC - 8 M.ORB	
4	1	451179	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
5	1	467317	XTRACTOR CYLINDER	CYLINDRE XTRACTOR	
6	4	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
7	1	210346	SPACER	ESPACEUR	
8	1	308012	WHEEL AXLE	AXE DE ROUE	
9	2	507053-1	HEX FLAT HEAD CAP SCREW GR5 3/8-16 X 1 1/4	VIS À TÊTE FRAISÉE HEX CREUX GR5 3/8-16 X 1 1/4	
10	2	500503	CARRIAGE BOLT GR5 1/2-13 X 1 3/4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 3/4 Z	
11	2	500179	HEX BOLT GR5 1/2-13 X 1 1/2	BOULON HEX GR5 1/2-13 X 1 1/2	
12	1	244087	XTRACTOR PUSHER	POUSOIR XTRACTOR	
13	2	244010	TEFLON	TEFLON	
14	12	507054	HEX FLAT HEAD CAP SCREW GR5 1/2-13 X 1 1/2	VIS À TÊTE FRAISÉE HEX CREUX GR5 1/2-13 X 1 1/2	
15	12	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z	ÉCROU NYLON IND HEX GR5 1/2-13 Z	
16	8	502006	FLAT WASHER 1/2 Z	RONDELLE PLATE 1/2 Z	
17	2	244008	TEFLON	TEFLON	
18	2	308015	SPACER	ESPACEUR	
19	1	244140	PUSHER PLATE SUPPORT	SUPPORT DE PLAQUE DE POUSSOIR	
20	4	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
21	2	500445	CARRIAGE BOLT GR5 3/8-16 X 1 3/4 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 3/4 Z	
22	2	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 Z	

17 - PUSHER / POUSSOIR



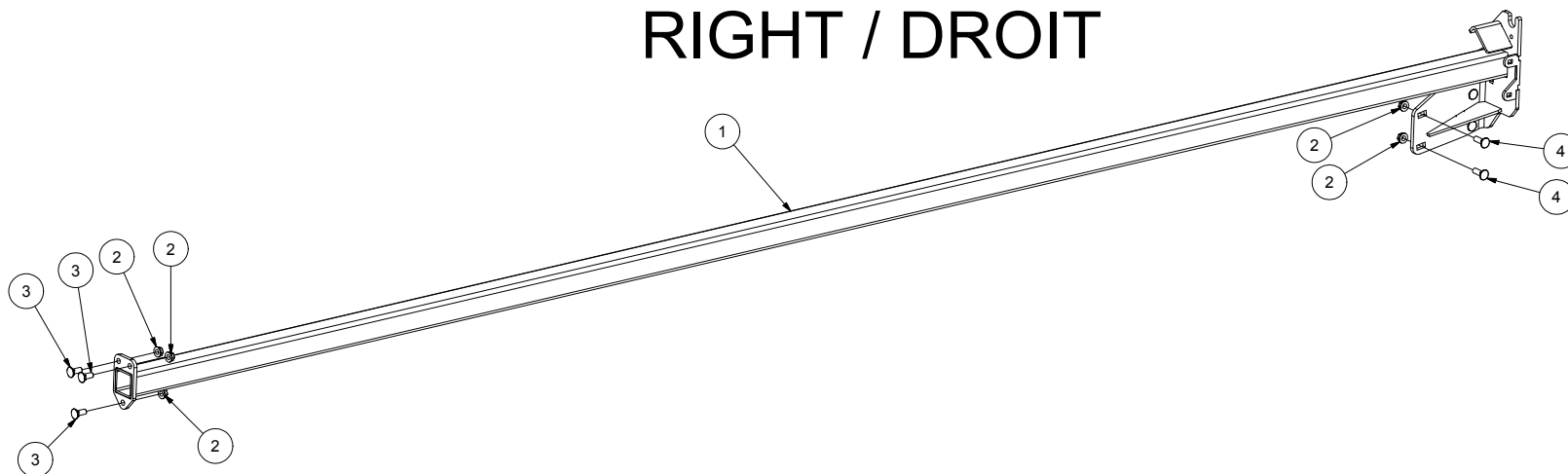
17 - PUSHER / POUSSOIR



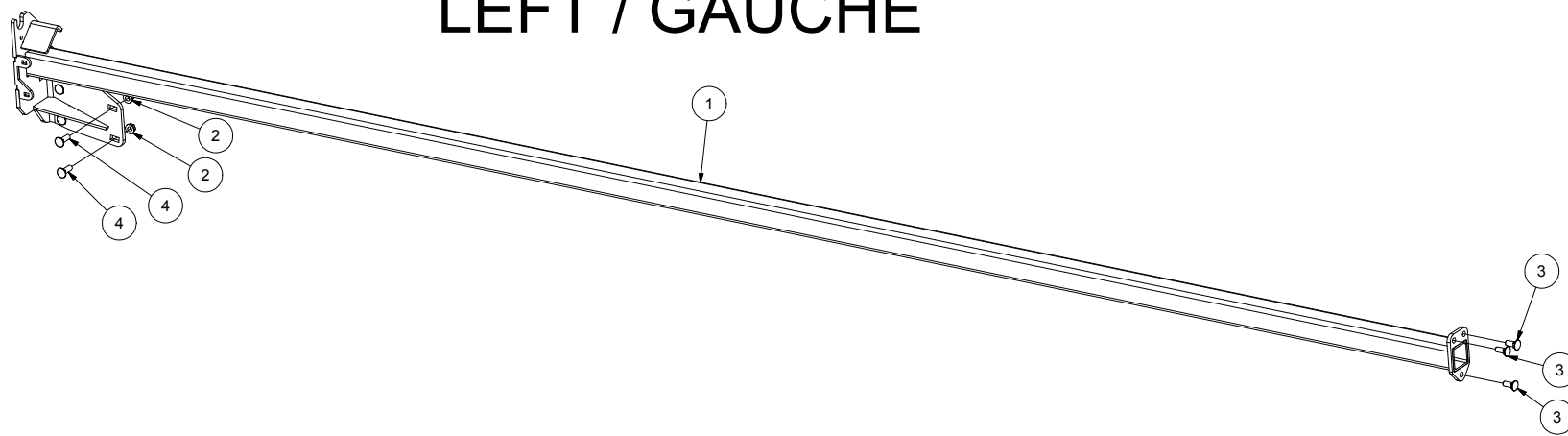
ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244088	PUSHER FRAME	CHASSIS DU POUSSOIR	
2	1	244089	PUSHER PLATE	PLAQUE DE POUSSOIR	
3	6	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
4	2	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	
5	1	210182	WEDGE	TAQUET	
6	1	244139	WEDGE SUPPORT	SUPPORT DE TAQUET	
7	1	500177	HEX BOLT GR5 1/2-13 X 1 1/2	BOULON HEX GR5 1/2-13 X 1 1/2	
8	1	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z	ÉCROU NYLON IND HEX GR5 1/2-13 Z	
9	1	210671	TEFLON	TEFLON	
10	2	210562	TEFLON SUPPORT	SUPPORT DE TEFLON	
11	2	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
12	2	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
13	2	500456	CARRIAGE BOLT GR5 3/8-16 X 5 Z	BOULON À CARROSSERIE GR5 3/8-16 X 5 Z	
14	2	500026	HEX BOLT GR5 1/4-20 X 5	BOULON HEX GR5 1/4-20 X 5	
15	2	210235	CYLINDER AXLE	AXE DU CYLINDRE	
16	2	320043	COTTER PIN 5/32 X 1 1/2	GOUPILLE FENDUE 5/32 X 1 1/2	
17	4	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/4 Z	
18	2	322299	GREASE FITTING	GRAISSEUR	
19	2	467284	HYDRAULIC CYLINDER	CYLINDRE HYDRAULIQUE	

18 - PUSHER GUIDE / GUIDE DE POUSSOIR

RIGHT / DROIT



LEFT / GAUCHE



18 - PUSHER GUIDE / GUIDE DE POUSSOIR



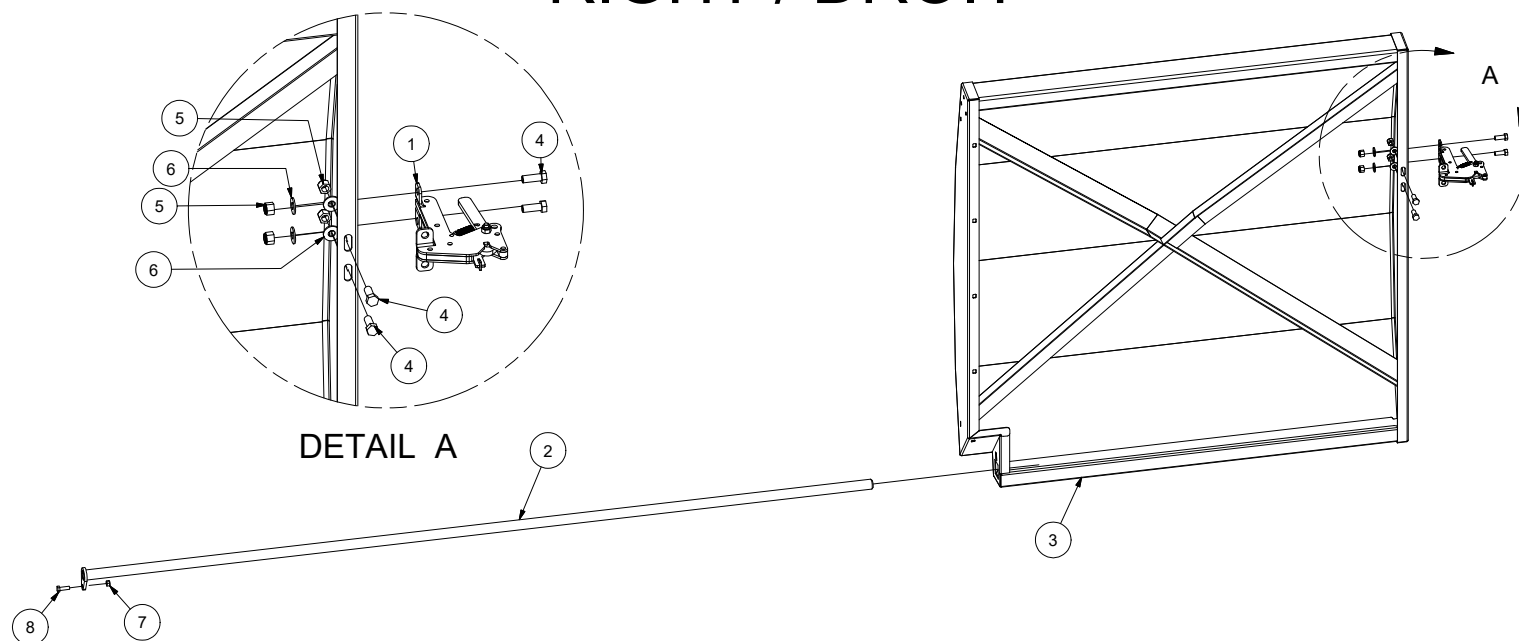
ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244091	RIGHT PUSHER GUIDE	GUIDE DE POUSSOIR GAUCHE	
2	7	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
3	3	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/4 Z	
4	4	500502	CARRIAGE BOLT GR5 1/2-13 X 1 1/2 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/2 Z	

RIGHT / DROIT

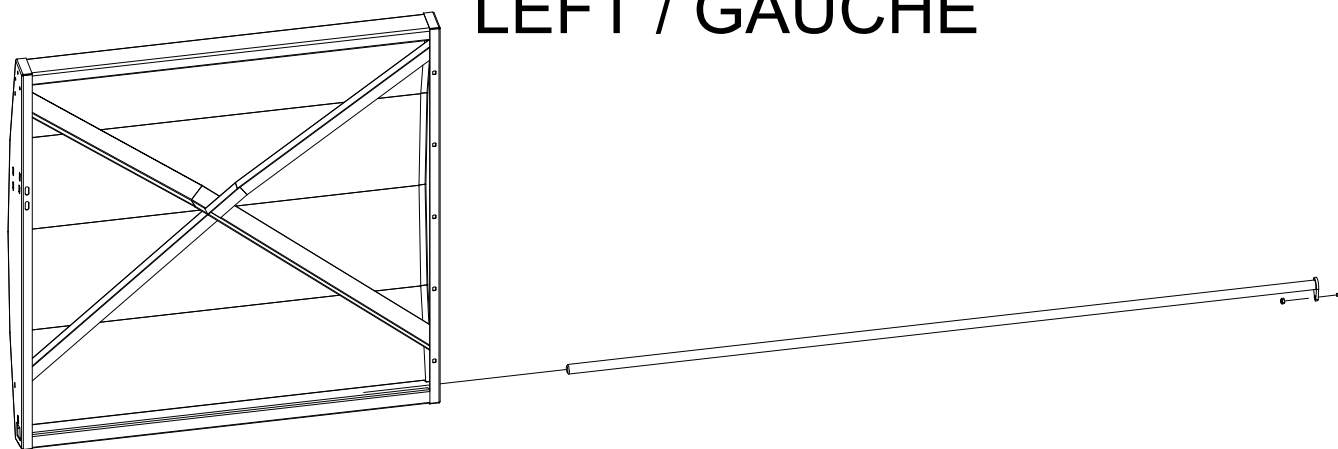
LEFT / GAUCHE

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244090	LEFT PUSHER GUIDE	GUIDE DE POUSSOIR DROIT	
2	4	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
3	3	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/4 Z	
4	4	500502	CARRIAGE BOLT GR5 1/2-13 X 1 1/2 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/2 Z	

RIGHT / DROIT



LEFT / GAUCHE



19 - GUARDS / GARDES



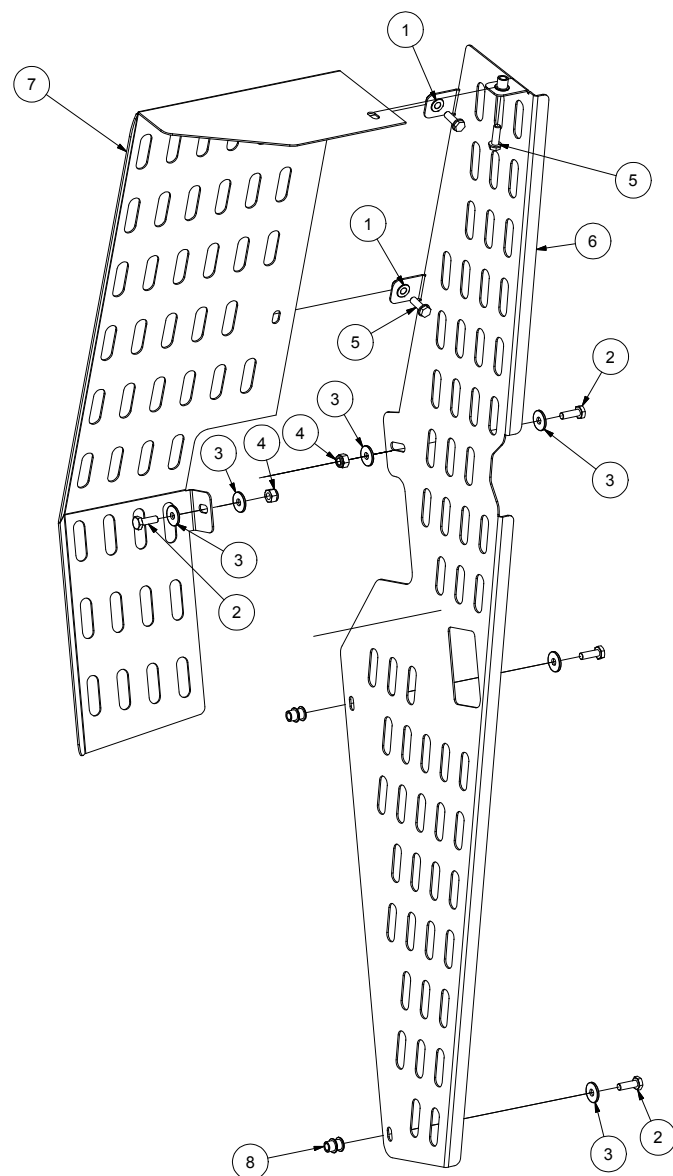
RIGHT / DROIT

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210831-1	LOCK	BARRURE	
2	1	210683-2	HOOP GUARD AXLE	AXE SUPPORT DE GARDE CERCEAU	
3	1	244092	RIGHT HOOP GUARD	GARDE CERCEAU DROIT	
4	4	500084	HEX BOLT GR5 3/8-16 X 1	BOULON HEX GR5 3/8-16 X 1	
5	4	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
6	4	502014	FLAT WASHER 5/16 Z	RONDELLE PLATE 5/16 Z	
7	1	501031	HEX NYLON LOCKNUT GR5 5/16-18 Z	ÉCROU NYLON IND HEX GR5 5/16-18 Z	
8	1	500044	HEX BOLT GR5 5/16-18 X 1	BOULON HEX GR5 5/16-18 X 1	

LEFT / GAUCHE

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244093	LEFT GUARD	GARDE GAUCHE	
2	1	210683-2	HOOP GUARD AXLE	AXE SUPPORT DE GARDE CERCEAU	
3	1	501031	HEX NYLON LOCKNUT GR5 5/16-18 Z	ÉCROU NYLON IND HEX GR5 5/16-18 Z	
4	1	500044	HEX BOLT GR5 5/16-18 X 1	BOULON HEX GR5 5/16-18 X 1	

19 - GUARDS / GARDES

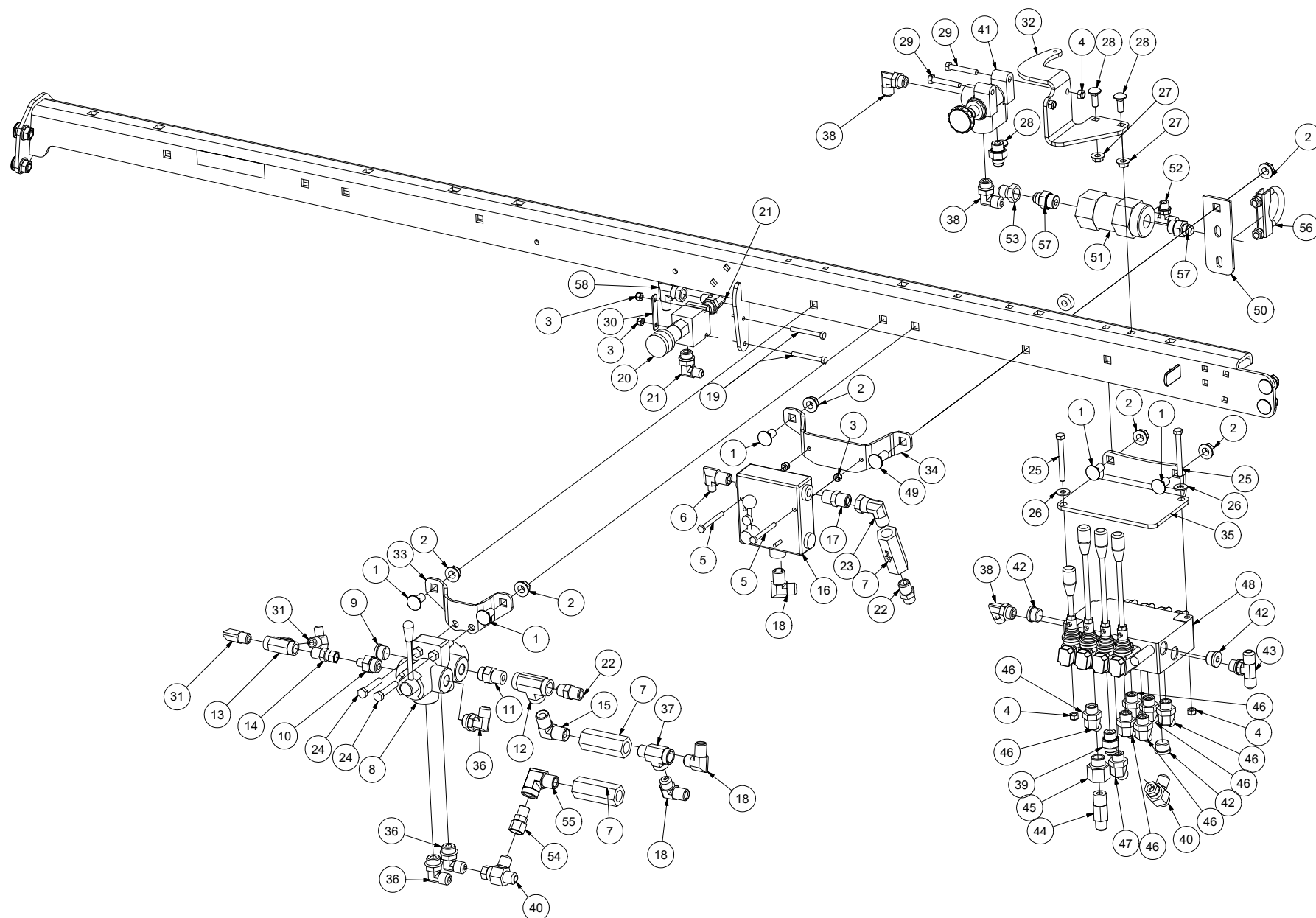


19 - GUARDS / GARDES



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	3	501905	RIVET NUT 1/4-20 X 165	ÉCROU À RIVET 1/4-20 X 165	
2	4	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	
3	6	502002	FLAT WASHER 1/4 Z	RONDELLE PLATE 1/4 Z	
4	2	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
5	3	500599	HEX FLANGE BOLT GR5 1/4-20 X 3/4 Z	BOULON À EMBASE HEX GR5 1/4-20 X 3/4 Z	
6	1	244223	SECURITY GUARD	GARDE DE SÉCURITÉ	
7	1	244218	SECURITY GUARD	GARDE DE SÉCURITÉ	
8	2	501923	RIVET NUT 1/4-20 X 265	ÉCROU À RIVET 1/4-20 X 265	

20 - CONTROL PANEL / TABLEAU DE COMMANDE

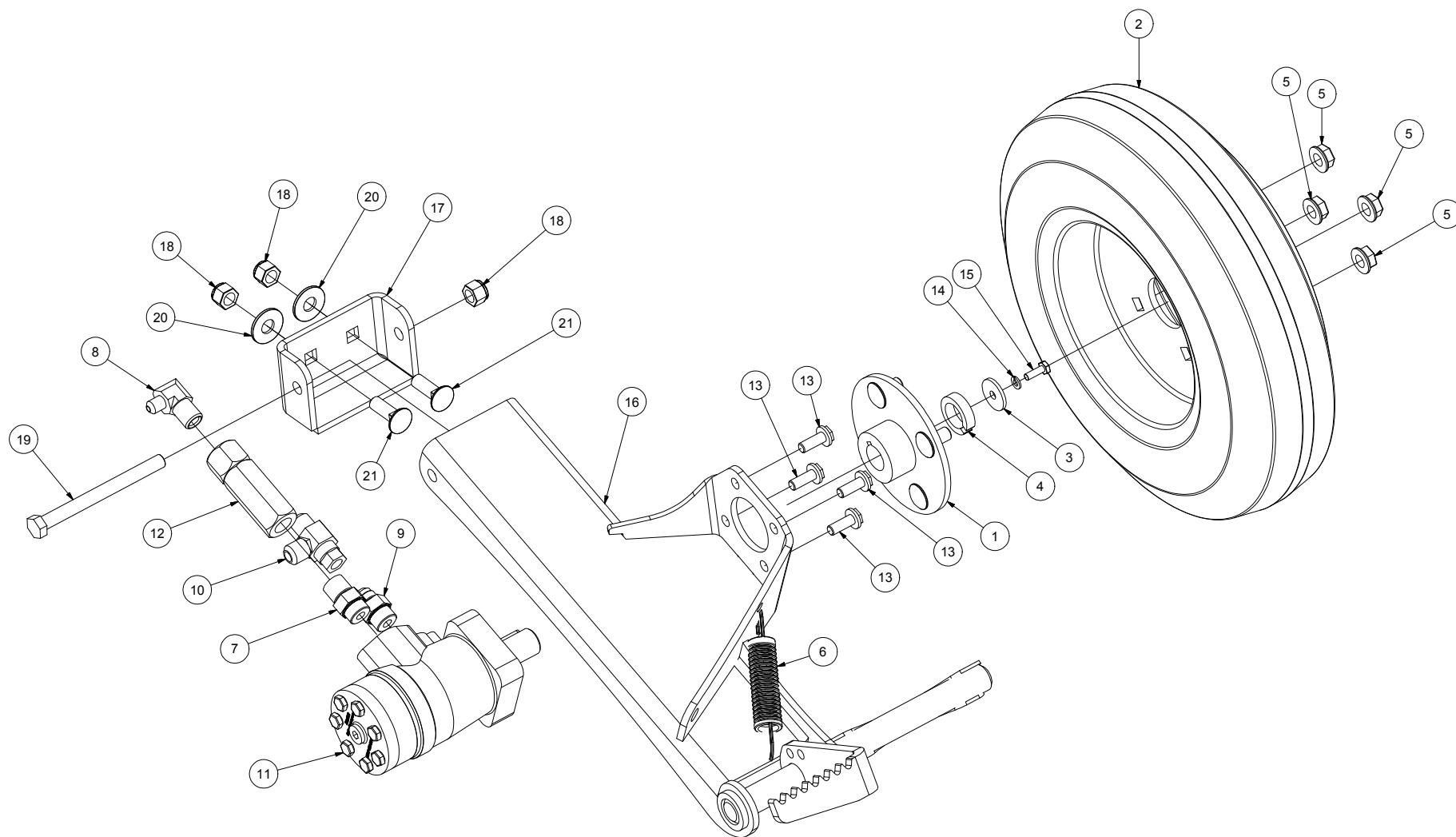


20 - CONTROL PANEL / TABLEAU DE COMMANDE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	11	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	
2	12	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
3	9	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
4	4	501031	HEX NYLON LOCKNUT GR5 5/16-18 Z	ÉCROU NYLON IND HEX GR5 5/16-18 Z	
5	2	500017	HEX BOLT GR5 1/4-20 X 2 1/2	BOULON HEX GR5 1/4-20 X 2 1/2	
6	1	450712	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
7	3	465879	CHECK VALVE	VALVE ANTI-RETOUR	
8	1	465065-1	HYDRAULIC VALVE	VALVE HYDRAULIQUE	
9	1	451356	PLUG ORB 10	BOUCHON ORB 10	
10	1	451173	6 M.JIC - 10 M.ORB	6 M.JIC - 10 M.ORB	
11	1	451097	10 M.ORB - 8 M.NPT	10 M.ORB - 8 M.NPT	
12	1	450243	8 F.NPT	8 F.NPT	
13	1	450242	6 F.NPT	6 F.NPT	
14	1	450994	6 F.JIC - 6 M.NPT	6 F.JIC - 6 M.NPT	
15	1	450196	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
16	1	465983	FLOW CONTROL	CONTROLEUR DE DÉBIT	
17	1	450008	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
18	3	450716	M JIC 8 - M NPT 8 90 DEG	M JIC 8 - M NPT 8 90 DEG	
19	2	500016	HEX BOLT GR5 1/4-20 X 2 1/4	BOULON HEX GR5 1/4-20 X 2 1/4	
20	1	465877	HYDRAULIC VALVE	VALVE HYDRAULIQUE	
21	2	451261	6 M.JIC - 8 M.ORB	6 M.JIC - 8 M.ORB	
22	2	450548	8 M JIC - 8 M NPT	8 M JIC - 8 M NPT	
23	1	450381	8 F.NPSM - 8 M.NPT 90°	8 F.NPSM - 8 M.NPT 90°	
24	2	500092	HEX BOLT GR5 3/8-16 X 2	BOULON HEX GR5 3/8-16 X 2	
25	2	500058	HEX BOLT GR5 5/16-18 X 3	BOULON HEX GR5 5/16-18 X 3	
26	2	502014	FLAT WASHER 5/16 Z	RONDELLE PLATE 5/16 Z	
27	12	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
28	6	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 Z	
29	2	500052	HEX BOLT GR5 5/16-18 X 2	BOULON HEX GR5 5/16-18 X 2	
30	1	P00124	PLATE	PLAQUE	
31	2	450711	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
32	1	244094	EMERGENCY STOP SUPPORT	SUPPORT D'ARRÊT D'URGENCE	
33	1	244095	SELECTOR VALVE SUPPORT	SUPPORT DE VALVE SÉLECTRIQUE	
34	1	244096	FLOW CONTROL SUPPORT	SUPPORT DE VALVE CONTROLEUR DE DÉBIT	
35	1	244097-1	MAIN VALVE SUPPORT	SUPPORT DE VALVE PRINCIPALE	
36	3	451266	8 M.JIC - 10 M.ORB 90°	8 M.JIC - 10 M.ORB 90°	
37	1	450273	8 F NPT - 8 M NPT T	8 F NPT - 8 M NPT T	
38	3	451265	8 M.JIC - 8 M.ORB 90°	8 M.JIC - 8 M.ORB 90°	
39	2	451178	8 M.JIC - 8 M.ORB	8 M.JIC - 8 M.ORB	
40	2	450973	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
41	1	465890	VALVE	VALVE	
42	3	451355	PLUG 8 M. ORB	PLUG 8 M. ORB	
43	1	451313	8 M.JIC - 8 M.ORB	8 M.JIC - 8 M.ORB	
44	1	450877	8 M.JIC - 8 M.NPT	8 M.JIC - 8 M.NPT	
45	1	451123	10 M.ORB - 8 F.NPT	10 M.ORB - 8 F.NPT	
46	6	451227	6 M.JIC - 8 M.ORB 45°	6 M.JIC - 8 M.ORB 45°	
47	1	451229	8 M.JIC - 8 M.ORB 45°	8 M.JIC - 8 M.ORB 45°	
48	1	465978	MANUAL HYDRAULIC VALVE	VALVE HYDRAULIQUE MANUELLE	
49	1	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/4 Z	
50	1	244226	SUPPORT	SUPPORT	
51	1	465917	PILOT OPERATED CHECK VALVE	VALVE ANTI-RETOUR PILOTÉE	
52	1	451312	6 M.JIC - 6 M.ORB	6 M.JIC - 6 M.ORB	
53	1	450588	8 F.JIC - 8 M.JIC	8 F.JIC - 8 M.JIC	
54	1	450996	8 F.JIC - 8 M.NPT	8 F.JIC - 8 M.NPT	
55	1	450149	8 F.NPT - 8 M.NPT 90°	8 F.NPT - 8 M.NPT 90°	
56	1	507125	U BOLT 3/8" X 1 3/4"	BOULON EN U 3/8" x 1 3/4"	
57	2	451179	8 M JIC - 10 M ORB	8 M JIC - 10 M ORB	
58	1	450953	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	

21 - HOOP WHEEL / ROUE DE CERCEAU

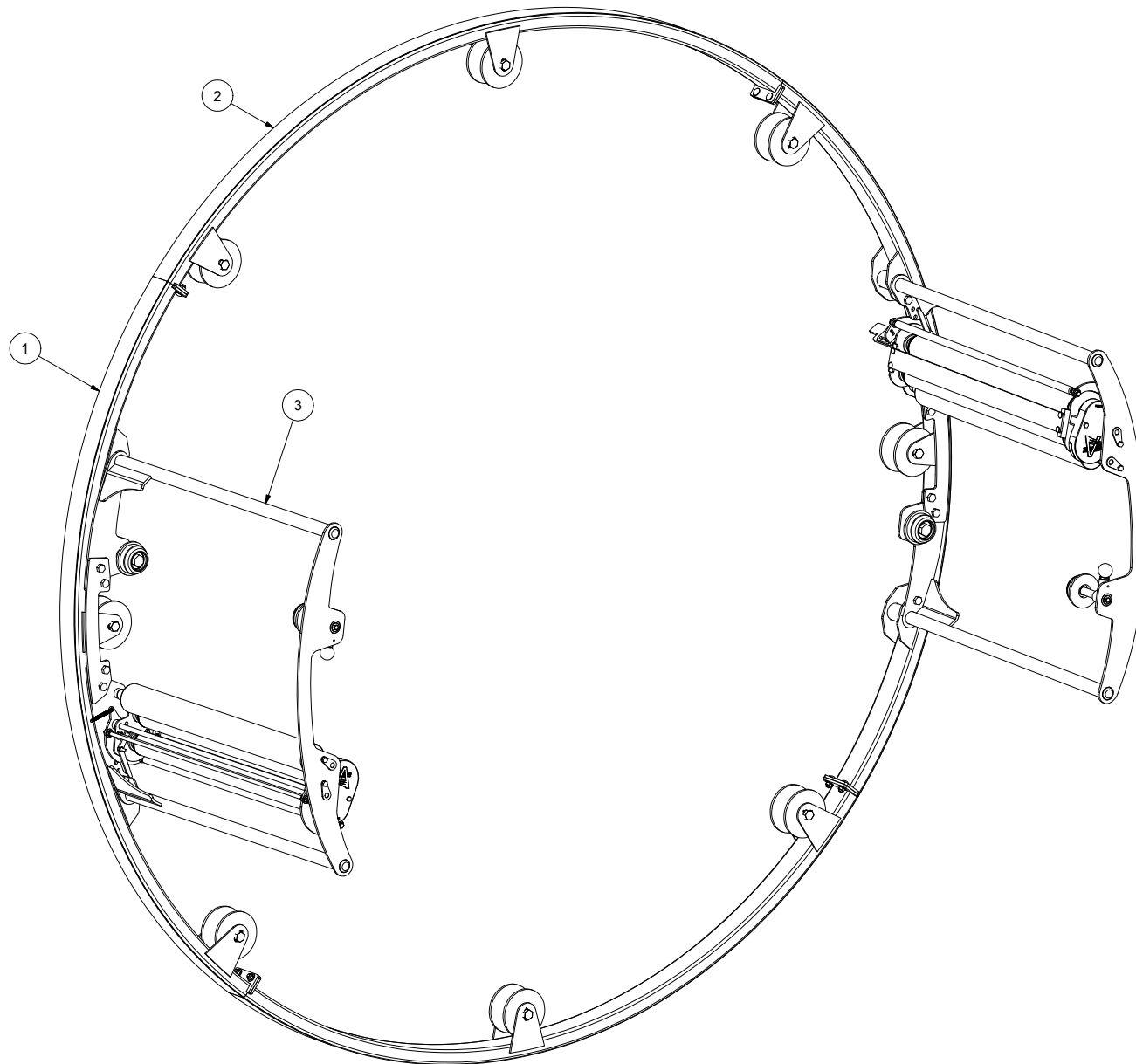


21 - HOOP WHEEL / ROUE DE CERCEAU



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210628	WHEEL HUB	MOYEU DE ROUE	
2	1	481505	TIRE ASSEMBLY	PNEU ASSEMBLÉ	
3	1	210629	WASHER	RONDELLE	
4	1	210630	SPACER	ESPACEUR	
5	4	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
6	1	304001	SPRING	RESSORT	
7	1	451097	10 M.ORB - 8 M.NPT	10 M.ORB - 8 M.NPT	
8	1	450712	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
9	1	451179	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
10	1	450973	HYDRAULIC FITTING	ADAPTEUR HYDRAULIQUE	
11	1	469158	HYDRAULIC MOTOR	MOTEUR HYDRAULIQUE	
12	1	465879	CHECK VALVE	VALVE ANTI-RETOUR	
13	4	500602	HEX FLANGE BOLT GR5 3/8-16 X 1 Z	BOULON À EMBASE HEX GR5 3/8-16 X 1 Z	
14	1	502064	LOCK WASHER 1/4	RONDELLE DE BLOCAGE 1/4	
15	1	500004-2	HEX BOLT GR8 1/4-20 X 3/4	BOULON HEX GR8 1/4-20 X 3/4	
16	1	244106	HOOP WHEEL SUPPORT	SUPPORT DE ROUE DE CERCEAU	
17	1	244107	HOOP WHEEL AXLE	PIVOT DE ROUE DE CERCEAU	
18	3	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z	ÉCROU NYLON IND HEX GR5 1/2-13 Z	
19	1	500195	HEX BOLT GR5 1/2-13 X 5 1/2	BOULON HEX GR5 1/2-13 X 5 1/2	
20	2	502006-1	FLAT WASHER 1/2 Z-USS	RONDELLE PLATE 1/2 Z-USS	
21	2	500502	CARRIAGE BOLT GR5 1/2-13 X 1 1/2 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/2 Z	

22 - EXTERIOR HOOP / CERCEAU EXTÉRIEUR



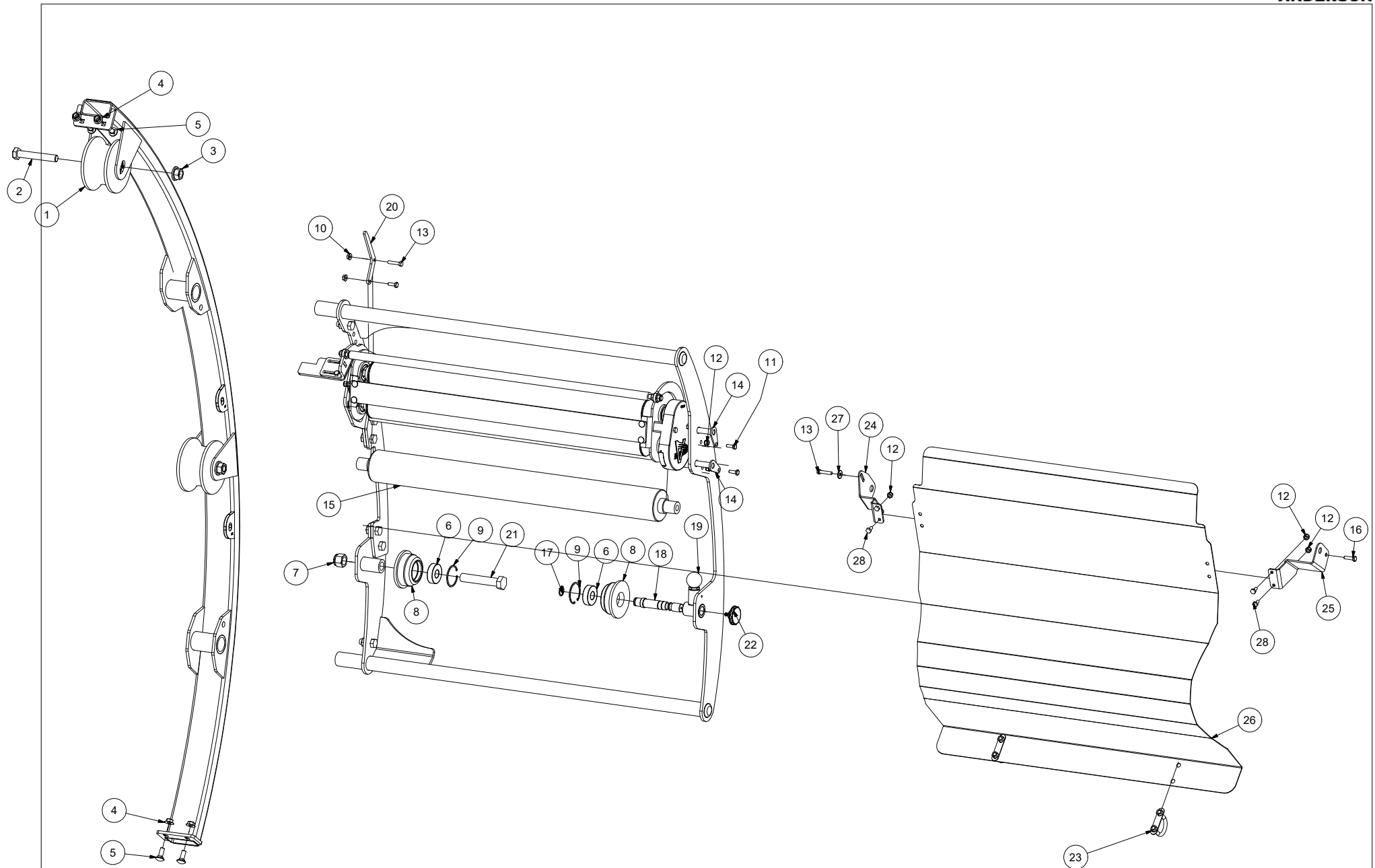
22 - EXTERIOR HOOP / CERCEAU EXTÉRIEUR



ANDERSON

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	2	244209	SECTION WITH STRETCHER	SECTION AVEC TENSIONNEUR	
2	2	244208	SECTION WITHOUT STRETCHER	SECTION SANS TENSIONNEUR	
3	2	244110	STRETCHER FRAME	CADRE TENSIONNEUR	

22 - EXTERIOR HOOP SECTION / SECTION EXTÉRIEUR DU CERCEAU

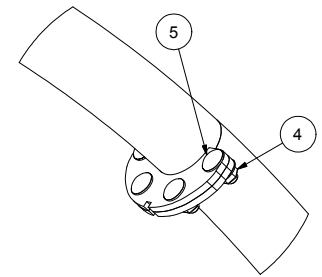
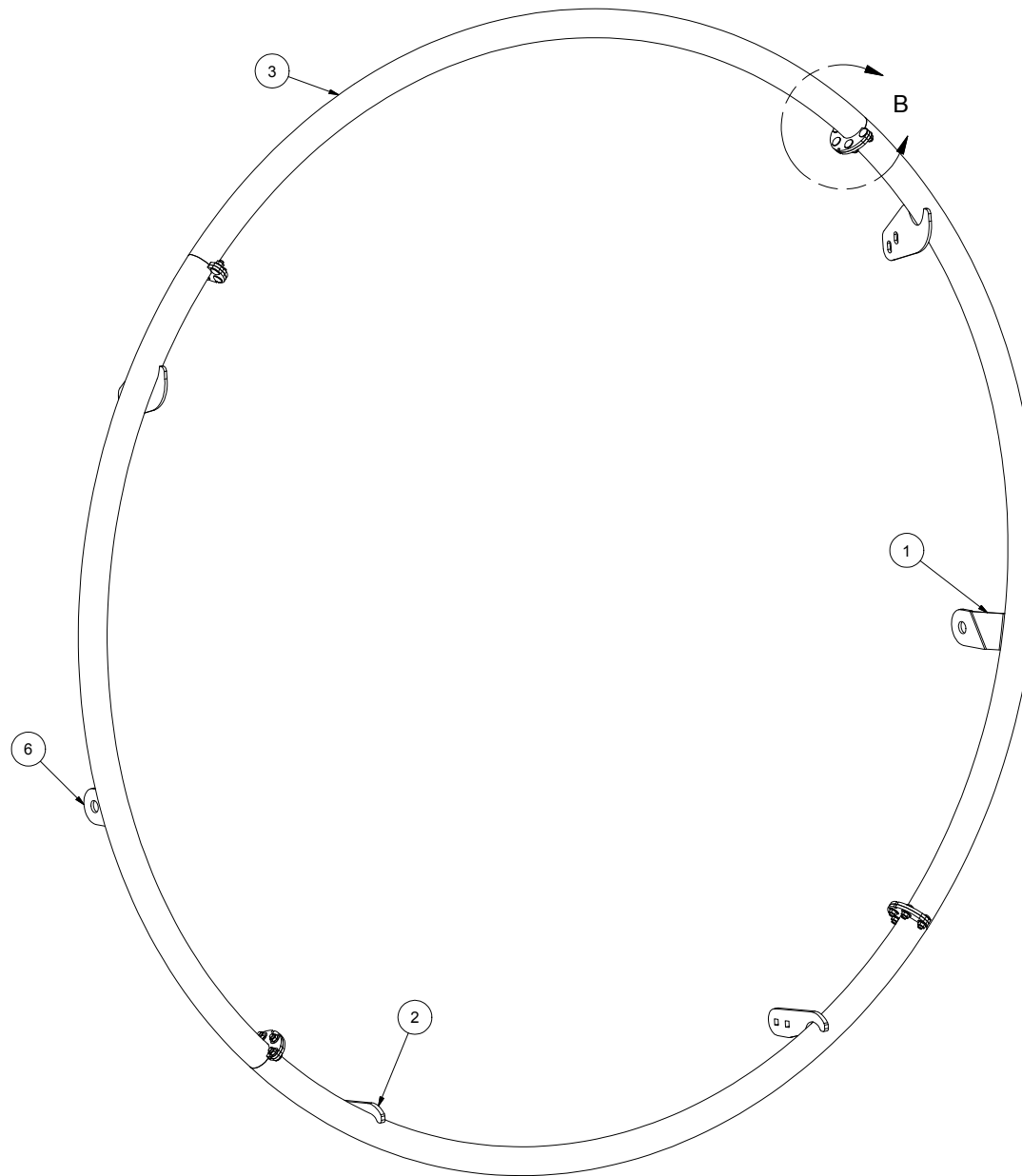


22 - EXTERIOR HOOP SECTION / SECTION EXTÉRIEUR DU CERCEAU



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	8	306014-1	HOOP WHEEL	ROUE DE CERCEAU	
2	8	500254	HEX BOLT GR5 5/8-11 X 4	BOULON HEX GR5 5/8-11 X 4	
3	8	501025	FLANGE NUT	ÉCROU À ÉPAULEMENT	
4	32	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
5	8	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 Z	
6	4	303012	BEARING 6204RS-750	ROULEMENT 6204RS-750	
7	2	501036	HEX NYLON LOCKNUT GR5 3/4-10 Z	ÉCROU NYLON IND HEX GR5 3/4-10 Z	
8	4	224082	PLASTIC FILM SUPPORT	SUPPORT DE PELLICULE PLASTIQUE	
9	4	320027	RETAINNING RING INT. 1 3/4	BAGUE DE RETENUE INT. 1 3/4	
10	30	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
11	10	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	
12	16	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
13	10	500008	HEX BOLT GR5 1/4-20 X 1 1/4	BOULON HEX GR5 1/4-20 X 1 1/4	
14	4	210585	FIXATION SHAFT	TIGE DE FIXATION	
15	2	279005	RUBBER ROLLER	ROULEAU DE CAOUTCHOUC	
16	4	500006	HEX BOLT GR5 1/4-20 X 1	BOULON HEX GR5 1/4-20 X 1	
17	2	320113	RETAINNING RING EXT. 3/4	BAGUE DE RETENUE EXT. 3/4	
18	2	492041-1	ADJUSTEMENT ROD	TIGE D'AJUSTEMENT	
19	2	320125	PULL PIN	BARRURE	
20	2	308027	STOPPER	LIMITEUR DE COURSE	
21	2	500293	HEX BOLT GR5 3/4-10 X 4	BOULON HEX GR5 3/4-10 X 4	
22	2	325238	KNOB	POIGNÉE	
23	4	507159	"U" BOLT 5/16 X 1	BOULON EN "U" 5/16 X 1	
24	2	72-CER-009-A	RIGHT SUPPORT	SUPPORT DROIT	
25	2	72-CER-010-A	LEFT SUPPORT	SUPPORT GAUCHE	
26	2	081-CER-007	SHIELD	DEFLECTEUR	
27	2	502002	FLAT WASHER 1/4 Z	RONDELLE PLATE 1/4 Z	
28	8	500001	HEX BOLT GR5 1/4-20 X 1/2	BOULON HEX GR5 1/4-20 X 1/2	

22 - INTERIOR HOOP / CERCEAU INTÉRIEUR



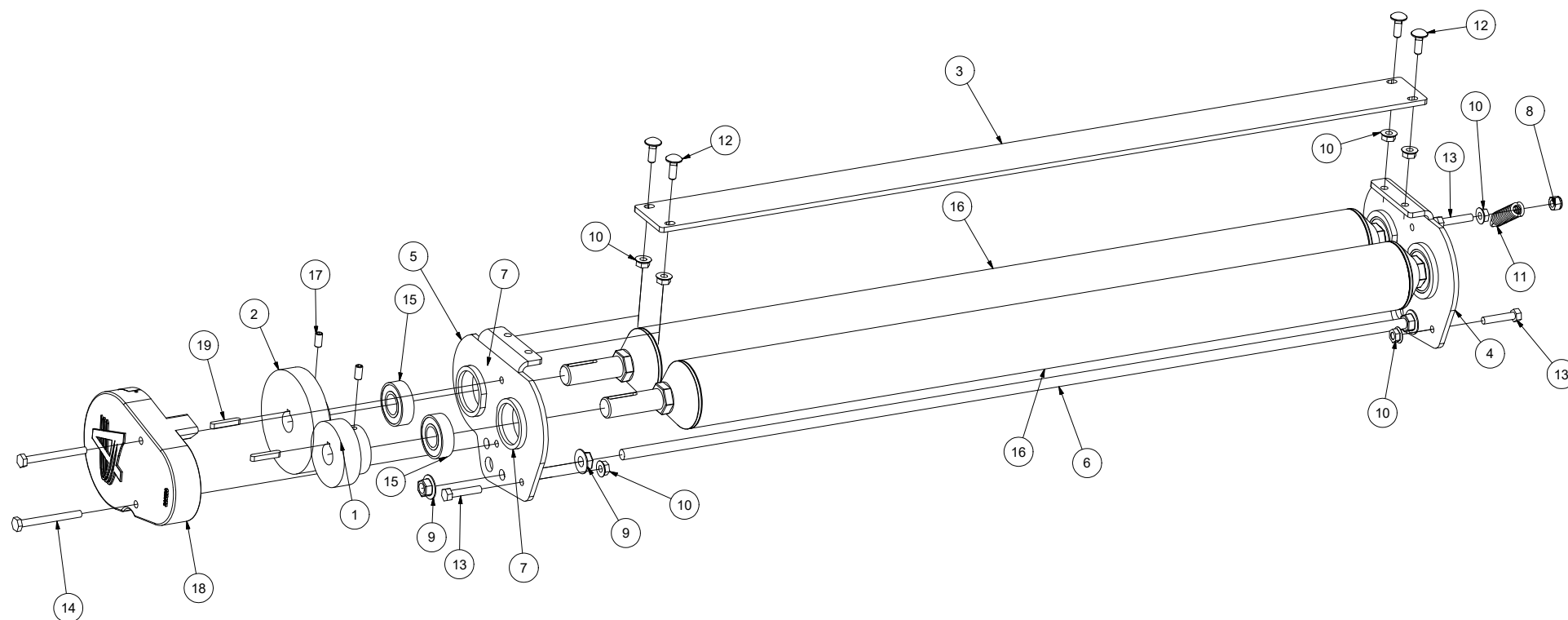
DETAIL B

22 - INTERIOR HOOP / CERCEAU INTÉRIEUR



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	244204	LEFT INNER HOOP SECTION	SECTION DE CERCEAU INTÉRIEUR GAUCHE	
2	1	244205	LOWER INNER HOOP SECTION	SECTION DE CERCEAU INTÉRIEUR BAS	
3	1	244206	UPPER INNER HOOP SECTION	SECTION DE CERCEAU INTÉRIEUR HAUT	
4	16	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
5	16	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 Z	
6	1	244207	RIGHT INNER HOOP SECTION	SECTION DE CERCEAU INTÉRIEUR DROIT	

23 - STRETCHER / TENSIONNEUR

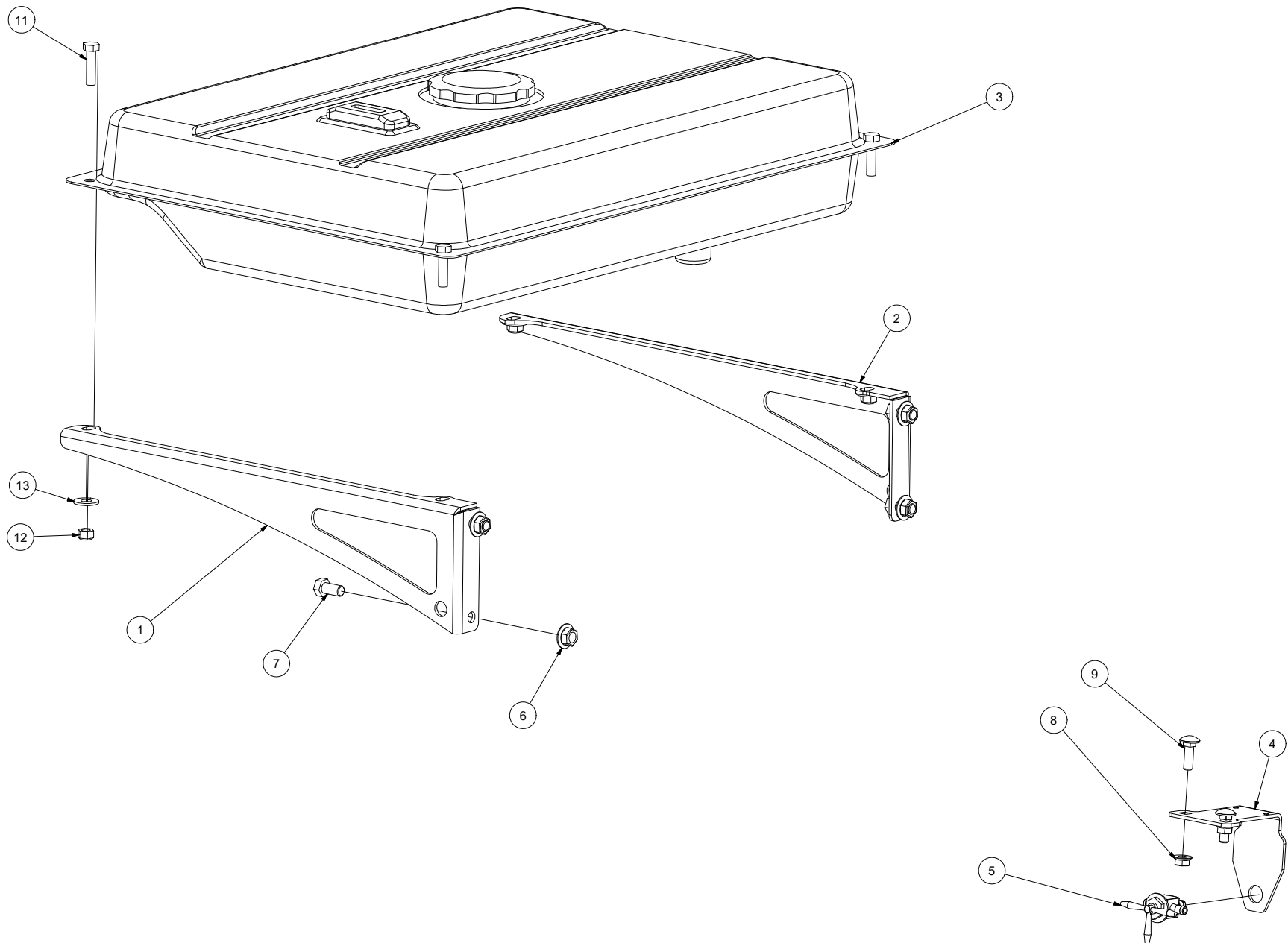


23 - STRETCHER / TENSIONNEUR



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	279102	GEAR	ENGRENAGE	
2	1	279100	GEAR	ENGRENAGE	
3	1	210586	RETAINING PLATE	PLAQUE DE FIXATION	
4	1	210587	STRETCHER BACK PLATE	CHASSIS ARRIÈRE DU TENSIONNEUR	
5	1	210588	STRETCHER FRONT PLATE	CHASSIS AVANT DU TENSIONNEUR	
6	1	306017	RETAINING ROD	TIGE DE FIXATION	
7	4	224067	ROLLING BEARING CAGE	CAGE DE ROULEMENT	
8	1	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
9	4	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
10	9	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
11	1	304005	SPRING	RESSORT	
12	4	500360	CARRIAGE BOLT GR5 1/4-20 X 3/4 Z	BOULON À CARROSSERIE GR5 1/4-20 X 3/4 Z	
13	3	500008	HEX BOLT GR5 1/4-20 X 1 1/4	BOULON HEX GR5 1/4-20 X 1 1/4	
14	2	500017	HEX BOLT GR5 1/4-20 X 2 1/2	BOULON HEX GR5 1/4-20 X 2 1/2	
15	4	303018	BEARING 6203	ROULEMENT 6203	
16	2	224069	ROLLER	ROULEAU	
17	2	507003	HEX SOCKET SET SCREW CUP 1/4-20 X 1/2	VIS À PRESSION HEX CREUX 1/4-20 X 1/2	
18	1	210589	COVER	COUVERCLE	
19	2	325141	KEY	CLE	

24 - OPTIONAL 25L TANK / RÉSERVOIR 25L OPTIONNEL

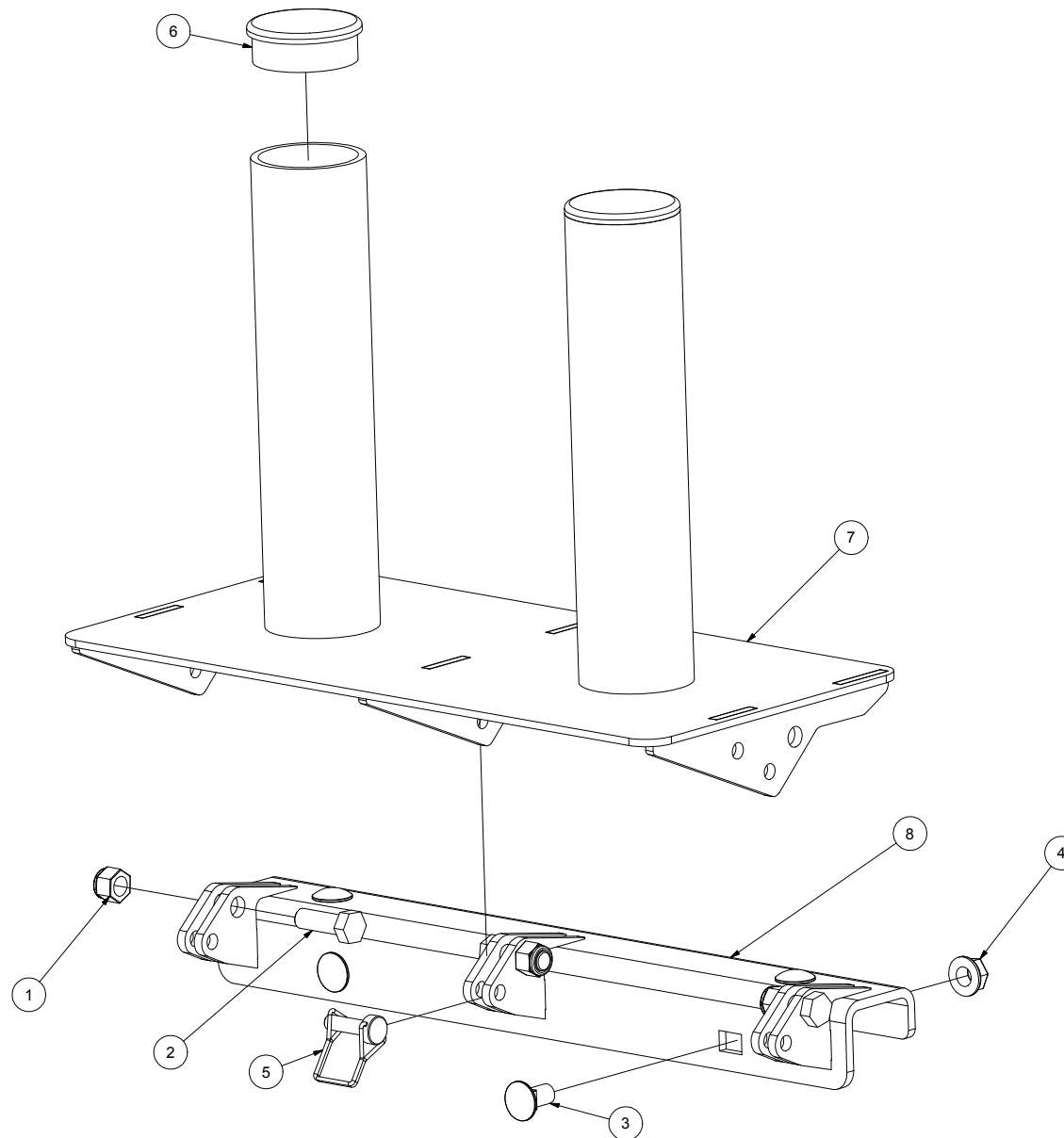


24 - OPTIONAL 25L TANK / RÉSERVOIR 25L OPTIONEL



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210364	LEFT TANK HOLDER	SUPPORT GAUCHE DE RÉSERVOIR	
2	1	210363	RIGHT TANK HOLDER	SUPPORT DROIT DE RÉSERVOIR	
3	1	470032	TANK	RÉSERVOIR	
4	1	210362	VALVE HOLDER	SUPPORT DE VALVE	
5	1	470027	GAS VALVE	VALVE ESSENCE	
6	4	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
7	4	500082	HEX BOLT GR5 3/8-16 X 3/4	BOULON HEX GR5 3/8-16 X 3/4	
8	2	501021	HEX FLANGE NUT GR2 5/16-18 Z	ÉCROU À EMBASE HEX GR2 5/16-18 Z	
9	2	500403	CARRIAGE BOLT GR5 5/16-18 X 1 Z	BOULON À CARROSSERIE GR5 5/16-18 X 1 Z	
11	4	500046	HEX BOLT GR5 5/16-18 X 1 1/4	BOULON HEX GR5 5/16-18 X 1 1/4	
12	4	501031	HEX NYLON LOCKNUT GR5 5/16-18 Z	ÉCROU NYLON IND HEX GR5 5/16-18 Z	
13	4	502014	FLAT WASHER 5/16 Z	RONDELLE PLATE 5/16 Z	

25 - OPTIONAL ROLLERS SUPPORT / SUPPORT DE ROULEAUX OPTIONNEL



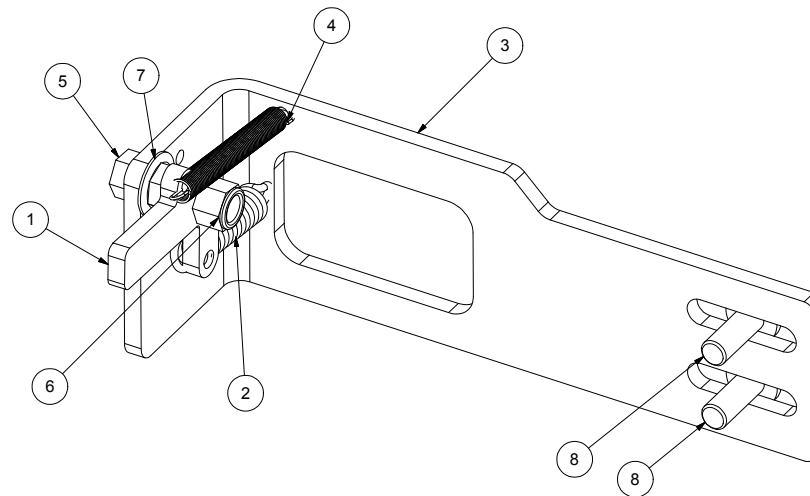
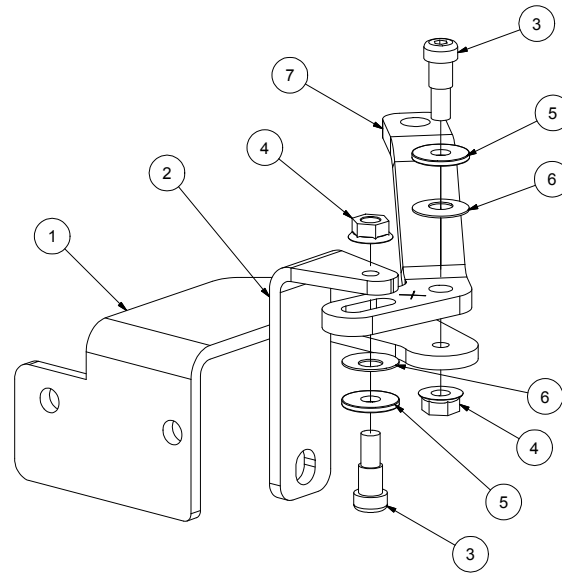
25 - OPTIONAL ROLLERS SUPPORT / SUPPORT DE ROULEAUX OPTIONNEL



ANDERSON

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	3	501034	HEX NYLON LOCKNUT GR5 1/2-13 Z	ÉCROU NYLON IND HEX GR5 1/2-13 Z	
2	3	500177	HEX BOLT GR5 1/2-13 X 1 1/2	BOULON HEX GR5 1/2-13 X 1 1/2	
3	4	500500	CARRIAGE BOLT GR5 1/2-13 X 1 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 Z	
4	4	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
5	1	320031-1	LOCK PIN 3/8 X 1 3/8	GOUPILLE DE VEROUILLAGE 3/8 X 1 3/8	
6	2	481010	CAP	CAPUCHON	
7	1	244111	SWIVEL SUPPORT	SUPPORT PIVOTANT	
8	1	244112	FIXED SUPPORT	SUPPORT FIXE	

26 - PLASTIC WATCH / DÉTECTEUR DE PLASTIQUE



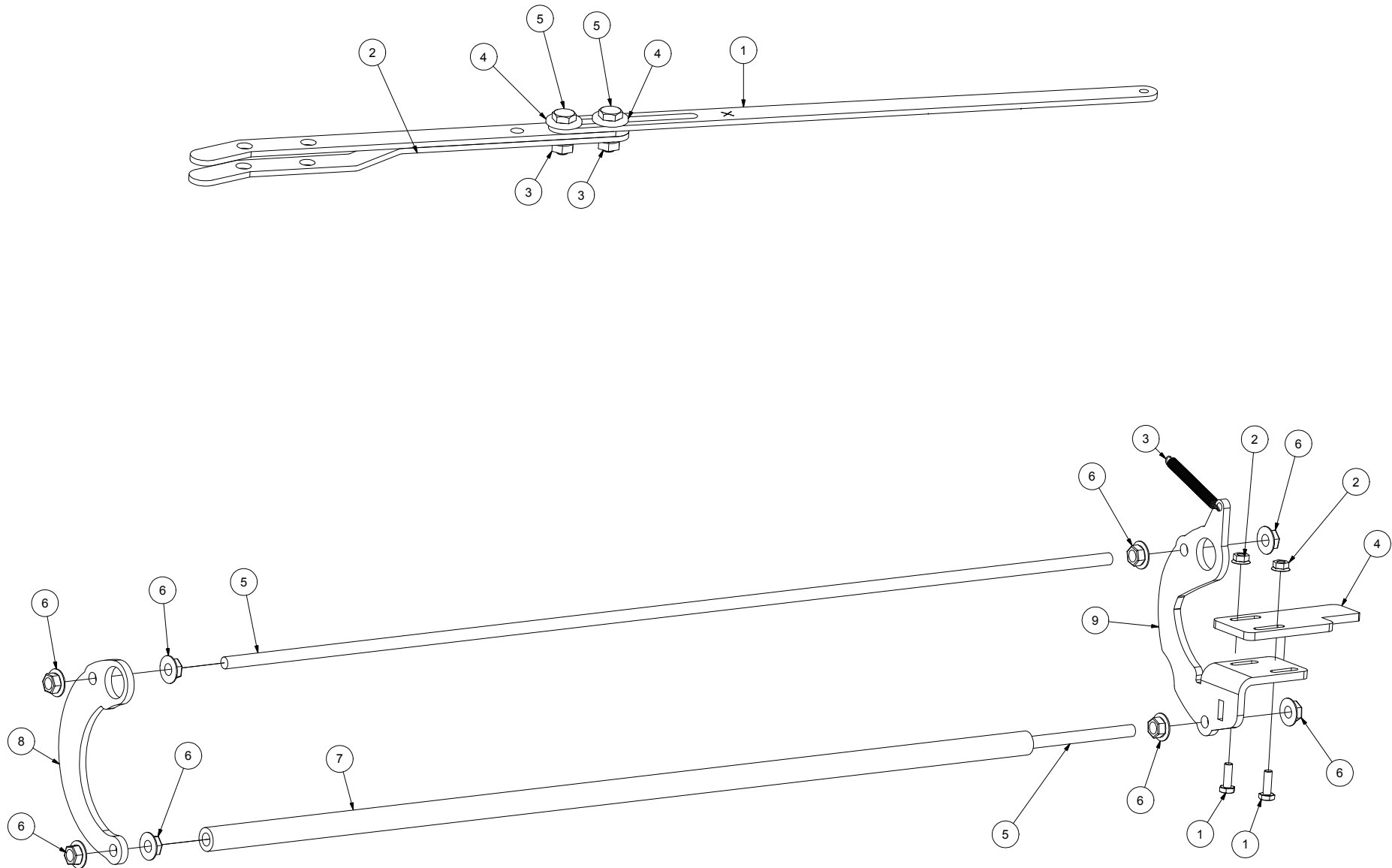
26 - PLASTIC WATCH / DÉTECTEUR DE PLASTIQUE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210306-1	PIVOT SUPPORT	SUPPORT DE PIVOT	
2	1	210305	ACTIVATOR HOOK	CROCHET D'ACTIVATION	
3	2	500572	HEX SOCKET HEAD CAP SCREW 5/16 X 3/8	VIS HEX CREUX TÊTE CYLINDRIQUE 5/16 X 3/8	
4	2	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
5	2	502002	FLAT WASHER 1/4 Z	RONDELLE PLATE 1/4 Z	
6	2	502035	BELLEVILLE WASHER .750 X .320 X .28	RONDELLE À RESSORT BELLEVILLE .750 X .320 X .28	
7	1	210807-1	PIVOT	PIVOT	

ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210199	TRIGGER	DÉCLENCHÉUR	
2	1	304005	SPRING	RESSORT	
3	1	244203	TRIGGER SUPPORT	SUPPORT DE DÉCLENCHÉUR	
4	1	304022	SPRING	RESSORT	
5	1	500086	HEX BOLT GR5 3/8-16 X 1 1/4	BOULON HEX GR5 3/8-16 X 1 1/4	
6	1	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
7	1	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
8	2	500602	HEX FLANGE BOLT GR5 3/8-16 X 1 Z	BOULON À EMBASE HEX GR5 3/8-16 X 1 Z	

26 - PLASTIC WATCH / DÉTECTEUR DE PLASTIQUE



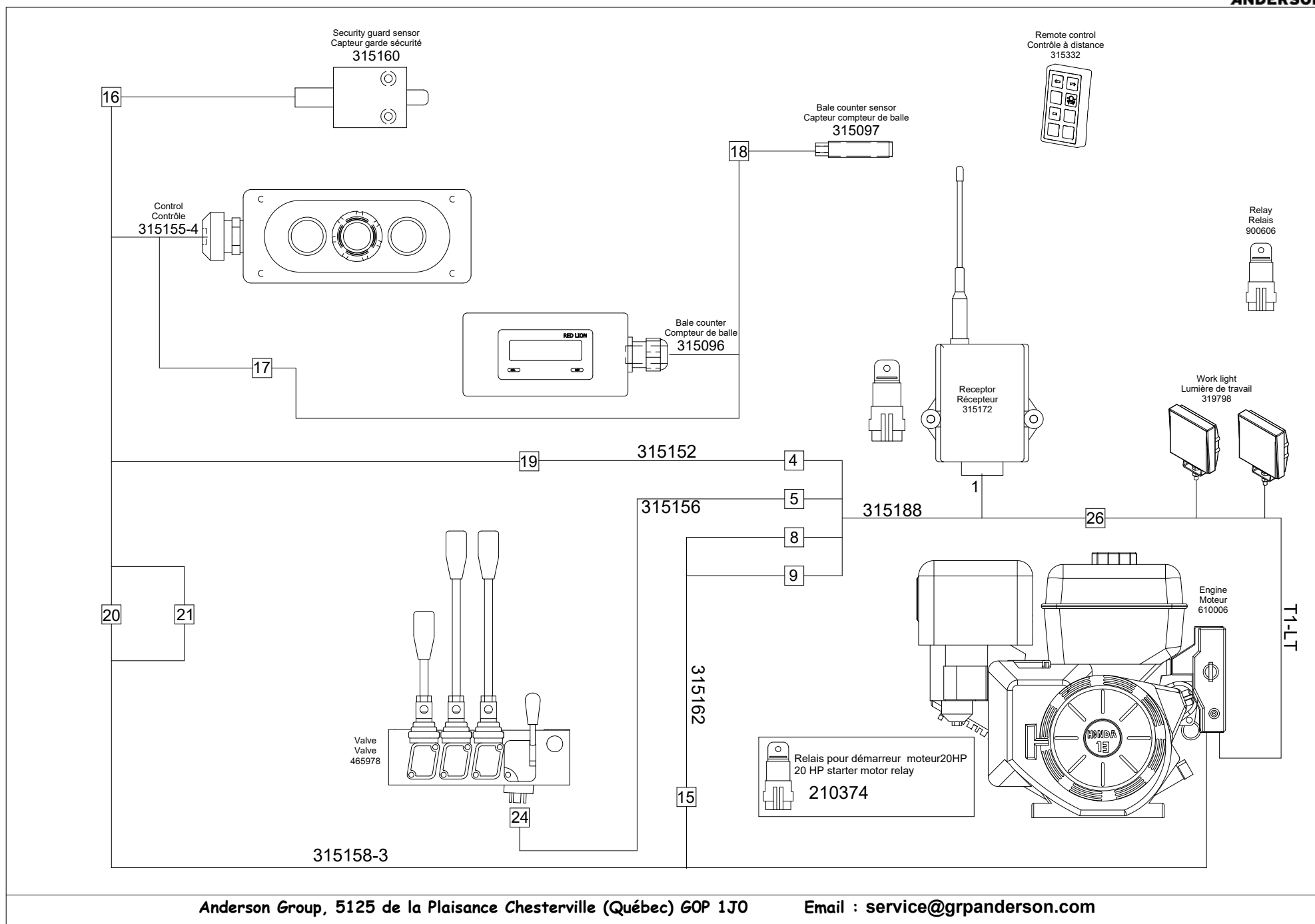
26 - PLASTIC WATCH / DÉTECTEUR DE PLASTIQUE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	210358	TRANSFERT PLATE	BARRE DE TRANSFERT	
2	1	210359	TRANSFERT PLATE	BARRE DE TRANSFERT	
3	2	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
4	2	502002	FLAT WASHER 1/4 Z	RONDELLE PLATE 1/4 Z	
5	2	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	

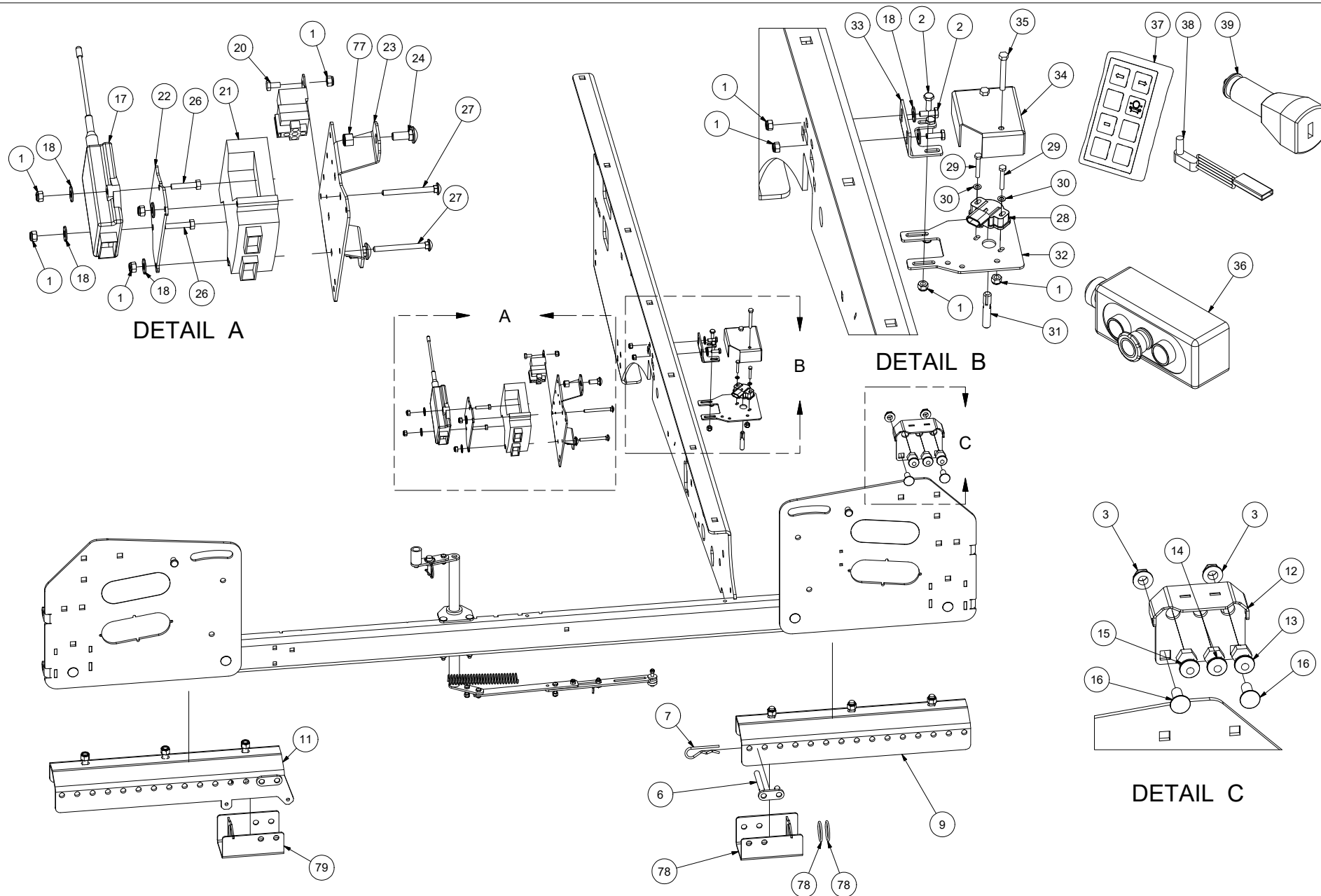
ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	2	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	
2	2	501020	HEX FLANGE NUT GR2 1/4-20 Z	ÉCROU À EMBASE HEX GR2 1/4-20 Z	
3	1	304022	SPRING	RESSORT	
4	1	210797	ACTIVATION PLATE	PLAQUE DE BUTÉE	
5	2	306034	ROD	TIGE	
6	8	501022	HEX FLANGE NUT GR2 3/8-16 Z	ÉCROU À EMBASE HEX GR2 3/8-16 Z	
7	1	242087	NYLATRON TUBE	TUBE DE NYLATRON	
8	1	210794	OUTSIDE HALF MOON SUPPORT	DEMI LUNE EXTÉRIEUR	
9	1	210806	INSIDE HALF MOON SUPPORT	DEMI LUNE INTÉRIEUR	

27 - REMOTE CONTROL / CONDUITE À DISTANCE



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28 - AUTO PILOT / PILOTE AUTOMATIQUE

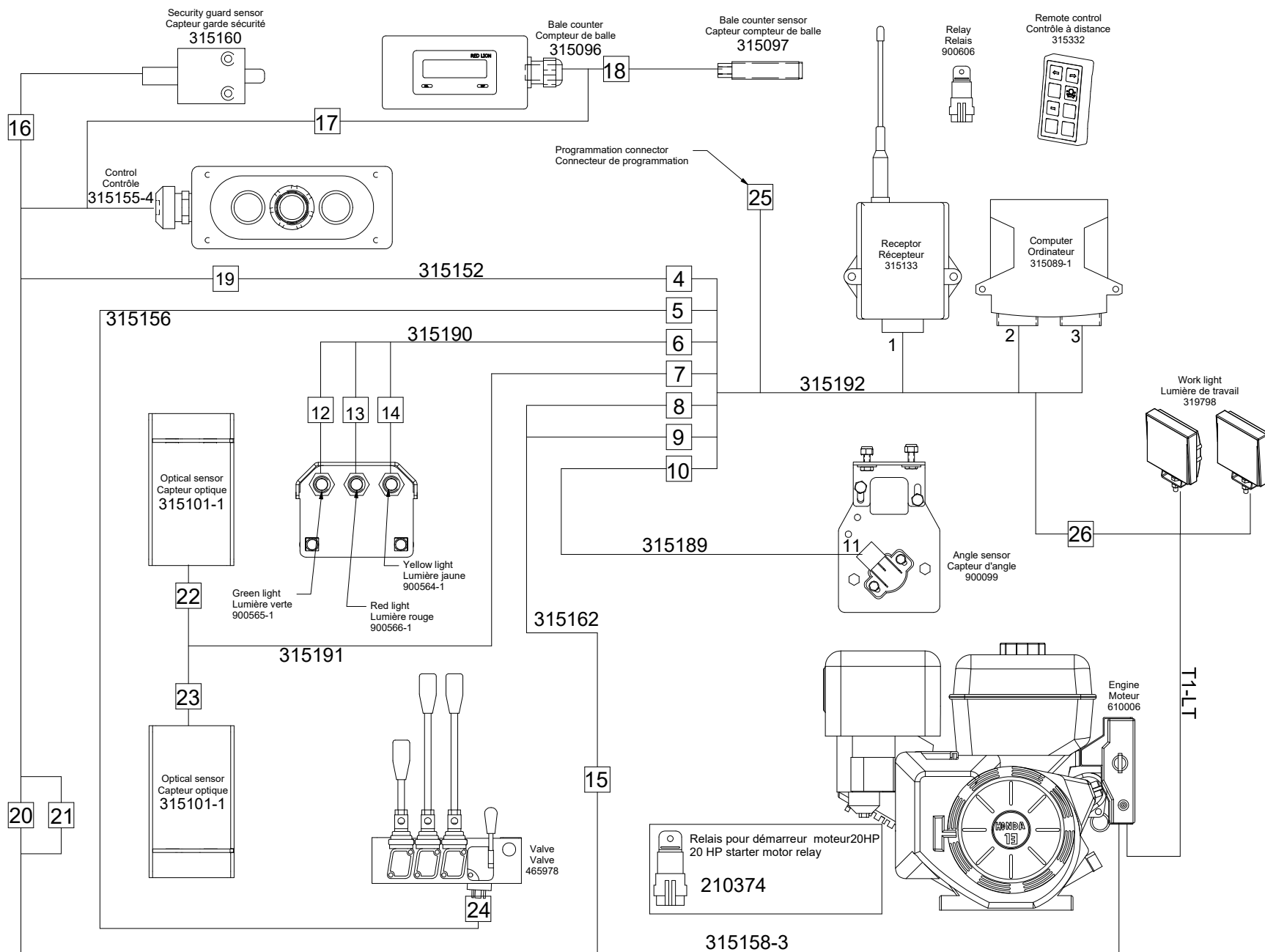


28 - AUTO PILOT / PILOTE AUTOMATIQUE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	17	501030	HEX NYLON LOCKNUT GR5 1/4-20 Z	ÉCROU NYLON IND HEX GR5 1/4-20 Z	
2	8	500004	HEX BOLT GR5 1/4-20 X 3/4	BOULON HEX GR5 1/4-20 X 3/4	
3	6	501024	HEX FLANGE NUT GR2 1/2-13 Z	ÉCROU À EMBASE HEX GR2 1/2-13 Z	
6	2	210336	LOCK	BARRURE	
7	2	320039	HITCH PIN 3/16	GOUPILLE D'ATTACHE 3/16	
9	1	210334	RIGHT PROTECTOR	PROTECTEUR DROIT	
11	1	210335	LEFT PROTECTOR	PROTECTEUR GAUCHE	
12	1	210339	LIGHT PROTECTOR	PROTECTEUR DE LUMIÈRES	
13	1	900564	YELLOW LIGHT	LUMIÈRE JAUNE	
14	1	900566	RED LIGHT	LUMIÈRE ROUGE	
15	1	900565	GREEN LIGHT	LUMIÈRE VERTE	
16	2	500501	CARRIAGE BOLT GR5 1/2-13 X 1 1/4 Z	BOULON À CARROSSERIE GR5 1/2-13 X 1 1/4 Z	
17	1	315172	RECEPTOR	RÉCEPTEUR	
18	6	502002	FLAT WASHER 1/4 Z	RONDELLE PLATE 1/4 Z	
20	1	500001	HEX BOLT GR5 1/4-20 X 1/2	BOULON HEX GR5 1/4-20 X 1/2	
21	1	315089-1	COMPUTER	CONTROLLEUR	
22	1	210360	RECEPTOR SUPPORT	SUPPORT DU RÉCEPTEUR	
23	1	210361	CONTROLLER SUPPORT	SUPPORT DU CONTROLEUR	
24	2	500442	CARRIAGE BOLT GR5 3/8-16 X 1 Z	BOULON À CARROSSERIE GR5 3/8-16 X 1 Z	
26	2	500008	HEX BOLT GR5 1/4-20 X 1 1/4	BOULON HEX GR5 1/4-20 X 1 1/4	
27	2	500368	CARRIAGE BOLT GR5 1/4-20 X 2 3/4 Z	BOULON À CARROSSERIE GR5 1/4-20 X 2 3/4 Z	
28	1	900099	ANGLE SENSOR	CAPTEUR D'ANGLE	
29	2	500348	HEX BOLT GR5 10/24 X 1 1/4 STAINLESS	BOULON HEX GR5 10/24 X 1 1/4 STAINLESS	
30	2	502015	FLAT WASHER 5MM Z	RONDELLE PLATE 5MM Z	
31	1	210399	SENSOR ACTIVATOR	ACTIVATEUR DU SENSOR	
32	1	210333	SENSOR SUPPORT	SUPPORT DU CAPTEUR	
33	1	210340	SENSOR ADJUSTABLE SUPPORT	SUPPORT AJUSTABLE DU CAPTEUR	
34	1	210375	SENSOR PROTECTOR	PROTECTEUR DU CAPTEUR	
35	2	500014	HEX BOLT GR5 1/4-20 X 2	BOULON HEX GR5 1/4-20 X 2	
36	1	315155-4	3 BUTTONS CONTROLLER	CONTROLEUR 3 BOUTONS	
37	1	315171	REMOTE CONTROL	TÉLÉCOMMANDE	
38	1	315228	USB CABLE TO CONNECTOR	CABLE USB À CONNECTEUR	
39	1	315230	CHARGER DC 12V TO 5V USB	CHARGEUR DC 12V A 5V USB	
77	2	501032	HEX NYLON LOCKNUT GR5 3/8-16 Z	ÉCROU NYLON IND HEX GR5 3/8-16 Z	
78	1	210373			
79	1	INCLUS DANS LE DROIT			
59	1	900606	RELAY	RELAIS	

28 - AUTO PILOT / PILOTE AUTOMATIQUE



28 - AUTO PILOT / PILOTE AUTOMATIQUE



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1	1	315332	REMOTE CONTROL	CONTRÔLE À DISTANCE	
2	1	315160	SWITCH	INTERRUPTEUR	
3	1	315155-4	CONTROLLER	CONTRÔLE	
4	1	900606	RELAY	RELAIS	
5	1	315133	RECEPTOR	RECEPTEUR	
6	1	315152	CAB-4F-8-4M	CAB-4F-8-4M	
7	1	315156	VALVE CABLE	CABLE DE VALVE	
8	1	315192	STEERING IN OUT	ENTRÉE SORTIE CONDUITE	
9	1	315096	BALE COUNTER	COMPTEUR DE BALLE	
10	1	315158-3	EMERGENCY STOP CABLE	FIL ALIM. - ARR. D'URGENCE	
11	1	315162	STARTER - POWER CABLE	FIL ALIM. - DÉMARREUR	
12	1	610006	ENGINE	MOTEUR	
13	1	315190	INDICATOR LIGHT CABLE	FIL LUMIÈRE TÉMOIN	
14	1	900565	GREEN LIGH	LUMIÈRE VERTE	
15	1	900566	RED LIGHT	LUMIÈRE ROUGE	
16	1	900564	YELLOW LIGHT	LUMIÈRE JAUNE	
17	1	315189	ANGLE SENSOR CABLE	FIL CAPTEUR D'ANGLE	
18	1	315089	COMPUTER	CONTRÔLEUR	
19	1	315101	OPTICAL SENSOR	CAPTEUR OPTIQUE	
20	1		PROGRAMMATION CONNECTOR	CONNECTEUR DE PROGRAMMATION	
21	1	900099	ANGLE SENSOR	CAPTEUR D'ANGLE	
22	1	315097	BALE COUNTER SENSOR	CAPTEUR DU COMPTEUR DE BALLE	
23	1	465978	VALVE	VALVE	
24	1	315191	OPTICAL SENSOR CABLE	FIL POUR CAPTEUR OPTIQUE	
25	1	315228	USB CABLE TO CONNECTOR	CABLE USB À CONNECTEUR	
26	1	315230	CHARGER DC 12V TO 5V USB	CHARGEUR DC 12V A 5V USB	

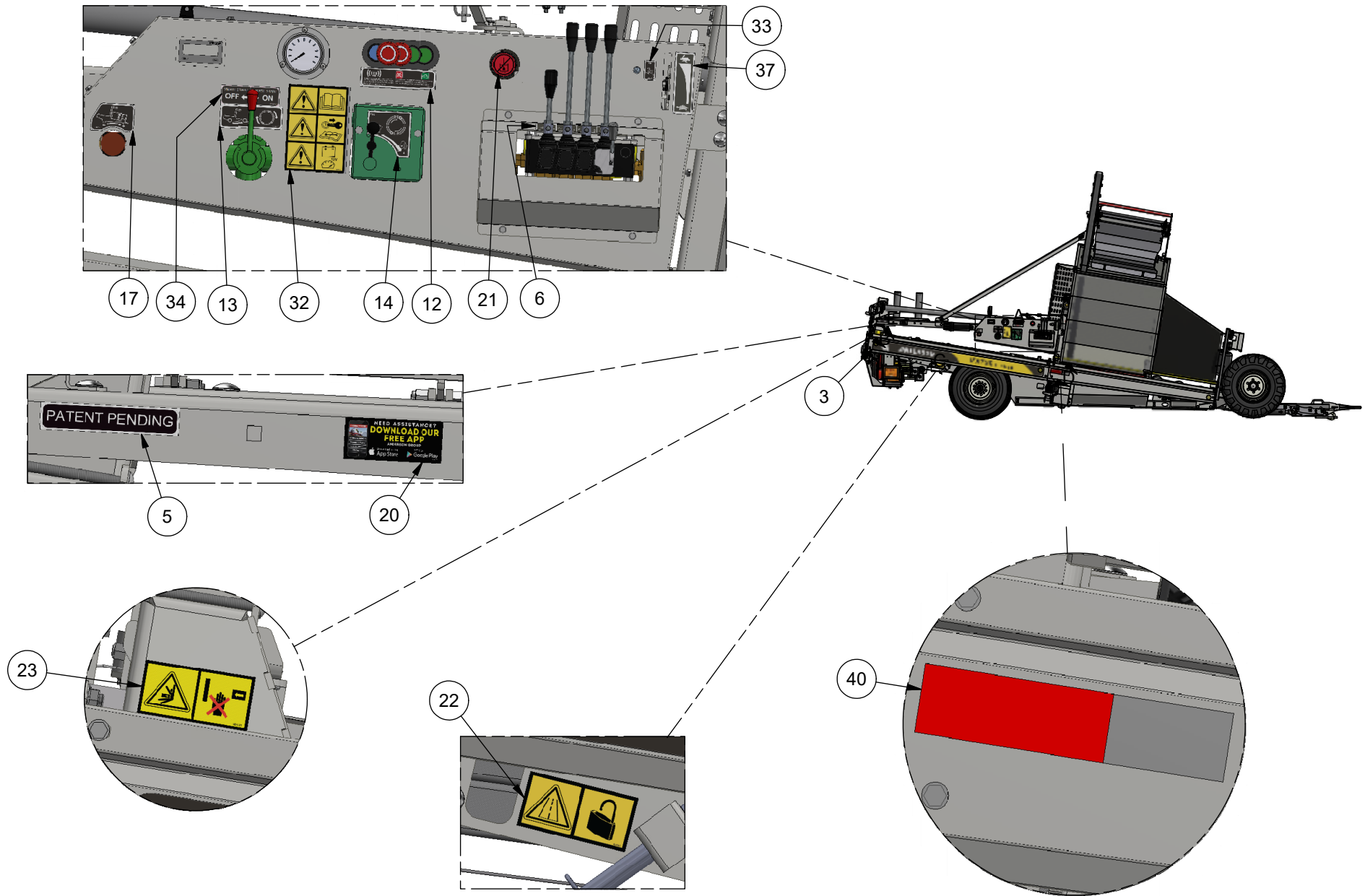
Diagram Labels:

- CYLINDRE ESSIEU AVANT GAUCHE
HYDRAULIC FRONT LEFT SPINDLE
- 72-26G
- 2X 5515-6-6
- 72-29G
- VALVE DE BLOCAGE
LOCK VALVE
- 5315-6-6
- 5706-6
- 72-26
- 72-29
- 72-29D
- CYLINDRE ESSIEU AVANT DROITE
HYDRAULIC FRONT RIGHT SPINDLE
- 5315-6-6
- 5706-6
- 2X 5515-6-6
- 72-26D
- 5506-06-06
- 9100-6-6
- 466998
- 72-38
- 72-37
- 5515-6-6
- 5515-6-6
- 467099
- CYL. PONT AVANT
/ TAILGATE CYL.
- CYL. POUSSOIR / PUSHER CYL.
GAUCHE / LEFT
- 72-67
- 5515-12-12
- 5955-12
- 72-95
- 5515-8-8
- 72-33
- 72-28
- CYLINDRE DE DIRECTION
STEERING CYLINDER
- 2 X 5405-6-6
- 72-25
- 72-19
- 72-27
- 2X 5315-8-10
- TRACTION
GAUCHE/LEFT
- 72-15
- TRACTION
DROIT/RIGHT
2X 5315-8-10
- 72-14
- ANTI-RETOUR CVT-04-A1
5405-6-8
- 72-77
- 72-82
- 5315-8-10
- 5706-8
- MOTEUR DE CERCEAU
HOOP MOTOR
- 72-10
- 72-11
- 2 X 5405-6-6
- 3709-6
- 9100-6-6
- 2 X 5515-8-10
- 5315-6-10
- 72-24
- 2 X 5405-8-8
- 3759-8-8
- 465879
- 3229-8-8
- 72-06
- 3249-10-8
- 3709-8
- 5205-8-8
- 72-13
- 72-01
- 5716-8
- 5315-8-8
- 5515-8-8
- 72-04
- 72-05
- 72-66
- 72-32
- 5315-12-12
- VALVE POUSSOIR SD14
SD14 PUSHER VALVE
- 5515-12-12
- 5605-8-8
- 3270-12-8
- 72-07
- 72-03
- 72-02
- 2X 5315-8-10
- CYLINDRE X-TRACTOR™ CYLINDER
- RÉSERVOIR HYDRAULIQUE
- HYDRAULIC TANK
- 5706-12
- 2X 9100-12-12
- FILTRE
FILTER
- 9515-6-6
- 5605-8-6
- 5405-12-8
- VALVE A BILLE 1/2 H.P.
H.P. BALL VALVE 1/2
- 5205-8-8
- 9100-12-12
- 5707-12
- 5315-12-10
- VALVE ANTI-RETOUR PILOTE VUPSL 12
CHECK VALVE VUPSL 12
- 5715-8-10
- CRÉPINE
BAGUE
STRAINER
SLEEVE
- 72-50
- 72-01
- 72-31
- 72-48
- 5315-12-12
- POMPE HYDRAULIQUE
HYDRAULIC PUMP
- ARRÊT D'URGENCE
EMERGENCY STOP
- 72-98
- 72-100
- ANTI-RETOUR
CHECK VALVE
- 72-99
- 72-81
- DÉPART / ARRÊT CERCEAU
HOOP START / STOP
- 72-96
- 2 X 5515-8-8
- 3 X 5365-8-8
- 5315-8-8
- 72-20
- 5405-6-8
- 3069-8-8
- 9405-8-8
- ANTI-RETOUR CVT04
- 5205-8-8
- ENTRÉE / IN
5405-8-8
- 72-93
- 72-79
- 5706-8
- 5515-8-8
- 7238-8
- 6 X 5365-6-8
- 1 X 5315-8-8
- LIGNE DÉVIATRICE DE DÉBIT
POWER BEYOND LINE
- 5515-8-8
- 3 X 5365-8-8
- 5755-8-8
- 3269-10-8
- 7238-8
- 72-23
- 72-21
- 72-22
- 72-20

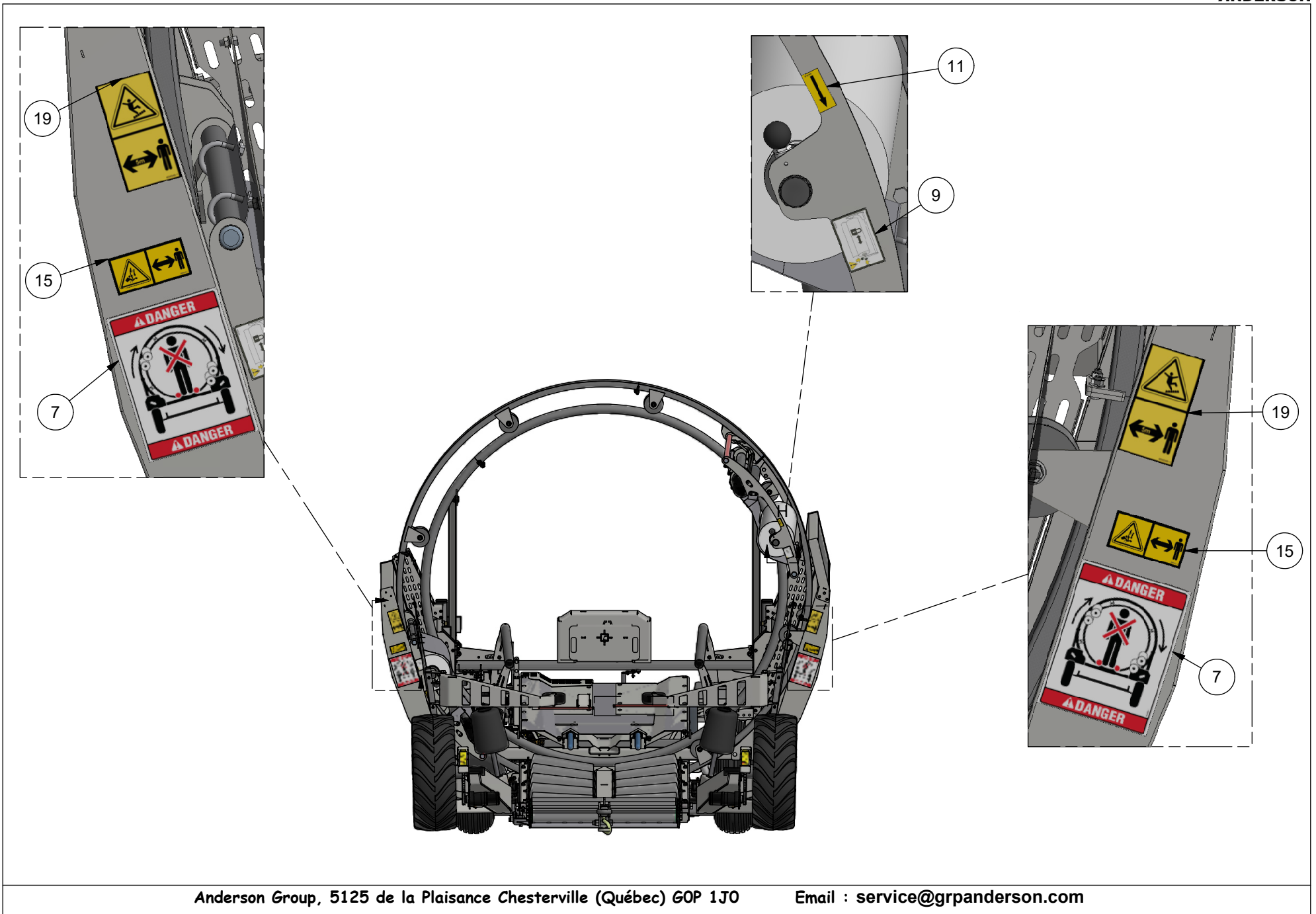
29 - DIAGRAMME HYDRAULIQUE / HYDRAULIC DIAGRAM

LISTE DE BOYAUX / HOSE LIST			LISTE DE BOYAUX / HOSE LIST		
QTÉ / QTY	PIÈCE / PART	DESCRIPTION	QTÉ / QTY	PIÈCE / PART	DESCRIPTION
1	244150	72-01	1	244179	72-29
1	244151	72-02	1	244180	72-29D
1	244152	72-03	1	244181	72-29G
1	244153	72-04	1	244182	72-31
1	244154	72-05	1	244183	72-32
1	244155	72-06	1	244184	72-33
1	244156	72-07	1	244185	72-36
1	244158	72-10	1	228057	72-37
1	244159	72-11	1	228058	72-38
1	244160	72-12	1	244190	72-48
1	244161	72-13	1	244191	72-50
1	244162	72-14	1	244192	72-66
1	244163	72-15	1	244193	72-67
1	244166	72-19	1	244194	72-77
1	244167	72-20	1	244195	72-78
2	244170	72-22	1	244196	72-79
1	244171	72-23	1	244197	72-81
1	244172	72-24	1	244198	72-82
1	244173	72-25	1	244199	72-93
1	244174	72-26	1	244200	72-95
1	244175	72-26D	1	244230	72-96
1	244176	72-26G	1	244231	72-98
1	244177	72-27	1	244232	72-99
1	244178	72-28	1	244233	72-100

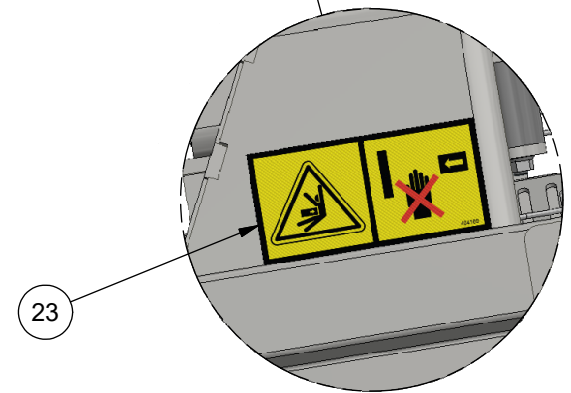
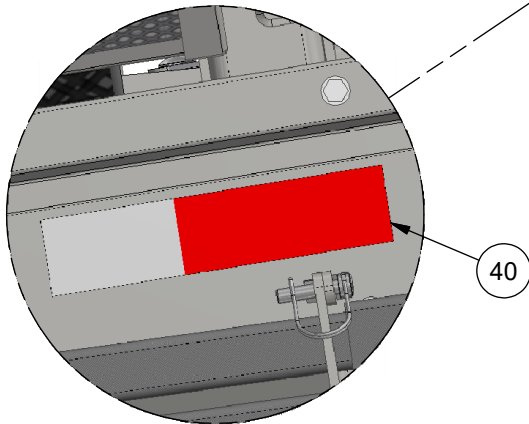
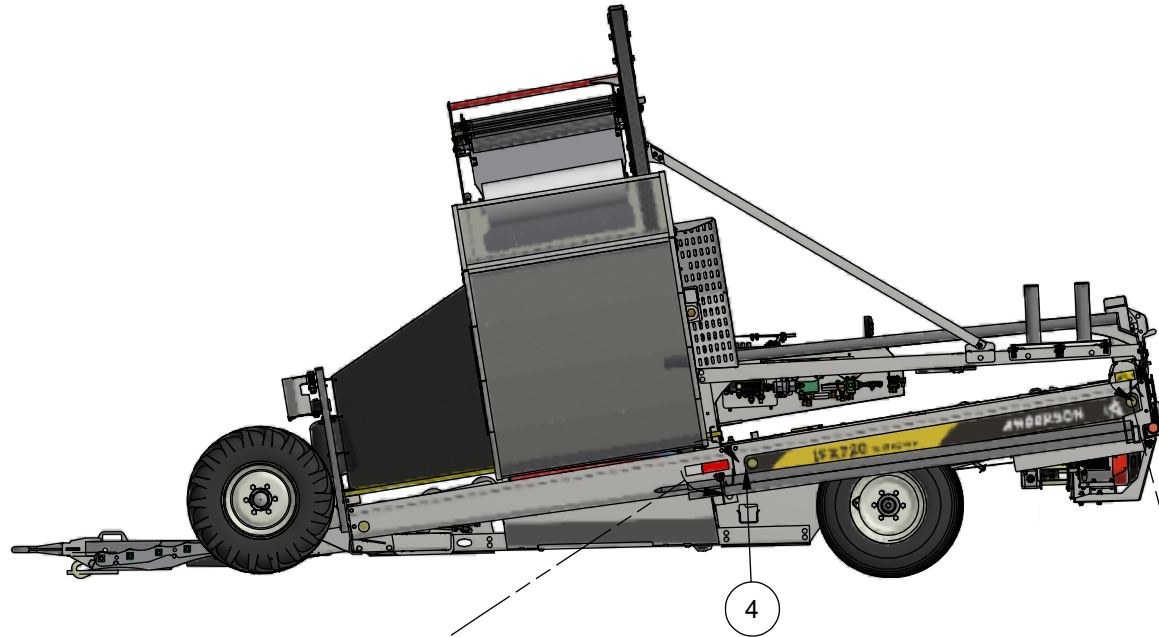
30 - DECALS / DÉCALQUES



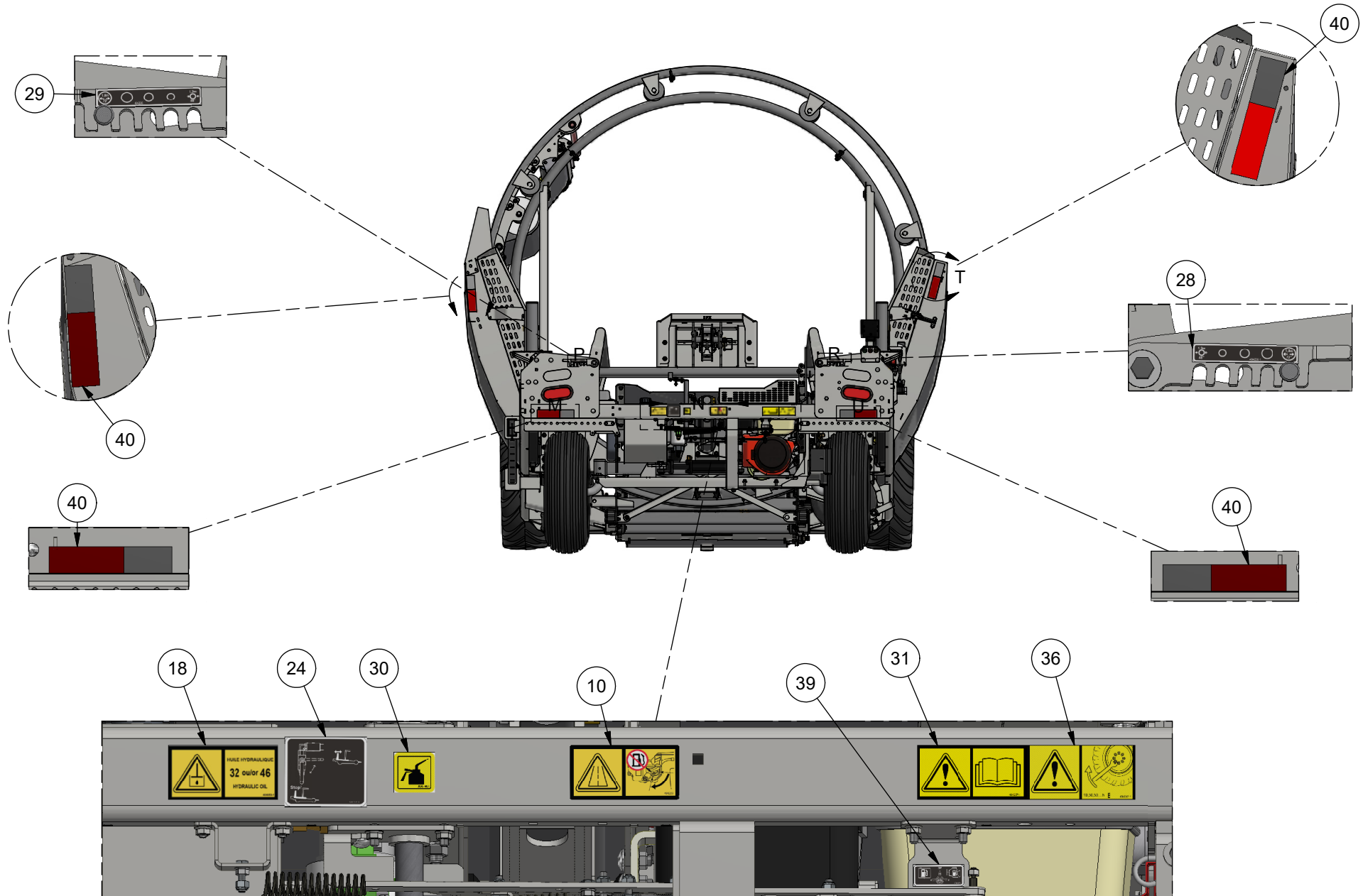
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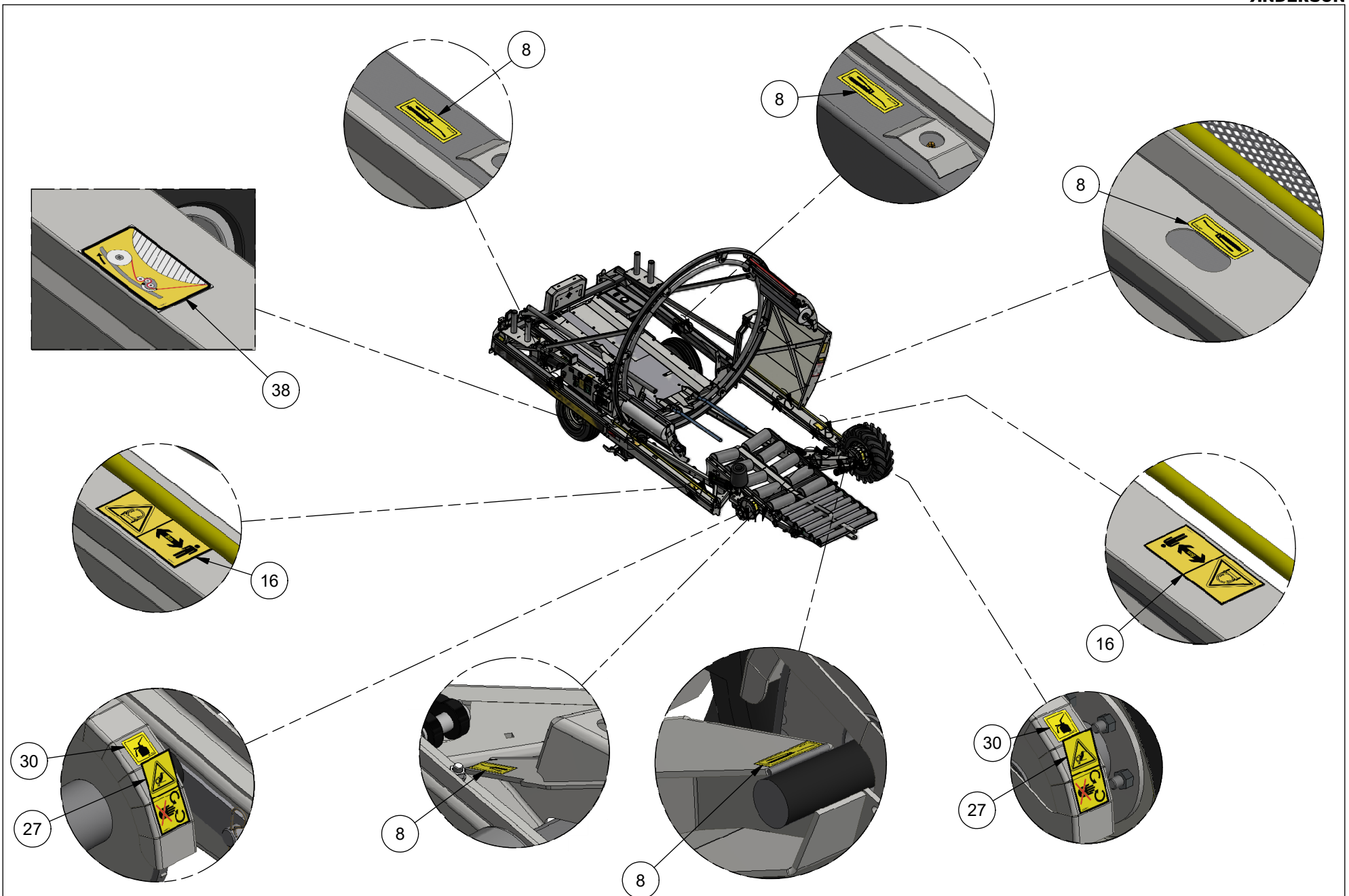
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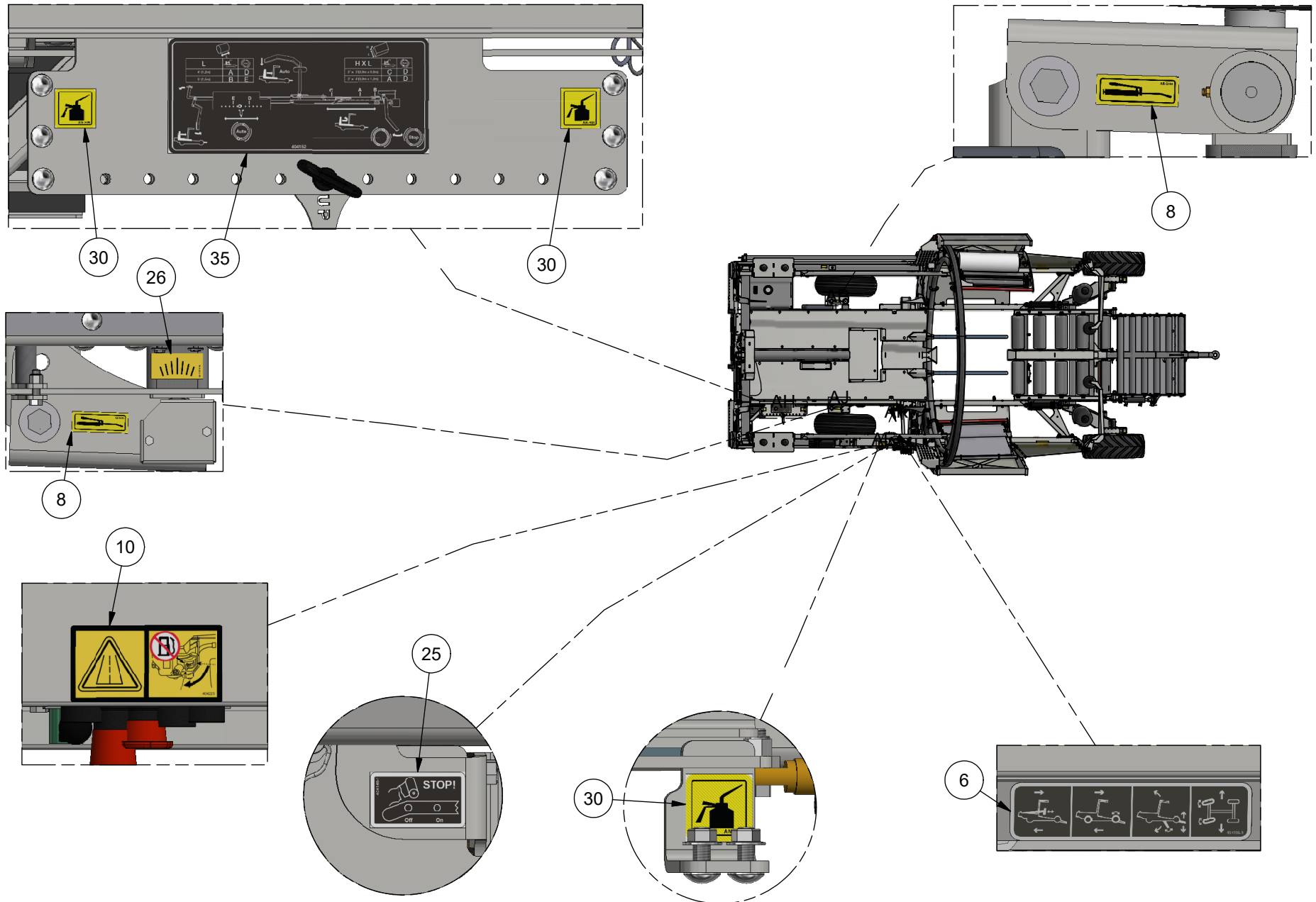
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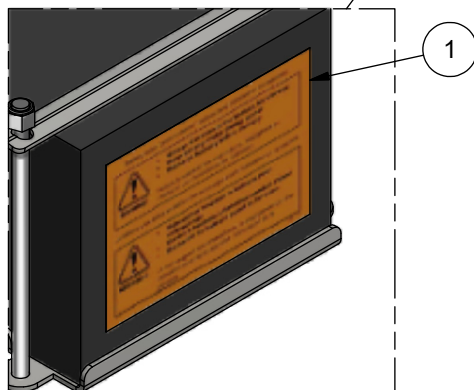
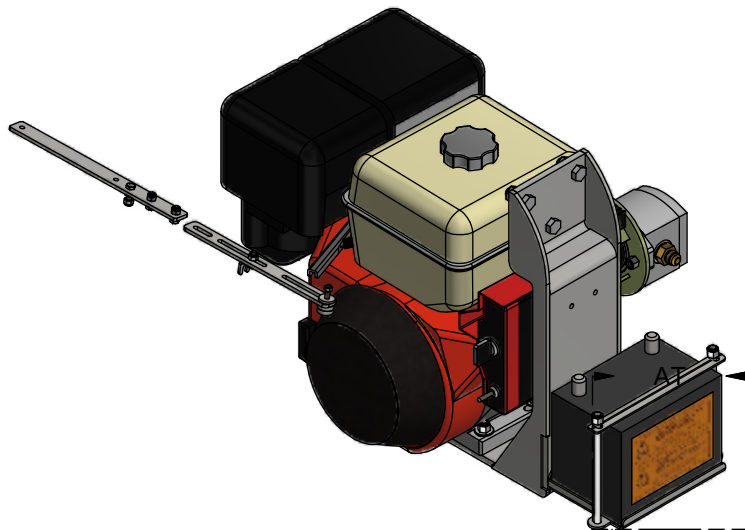
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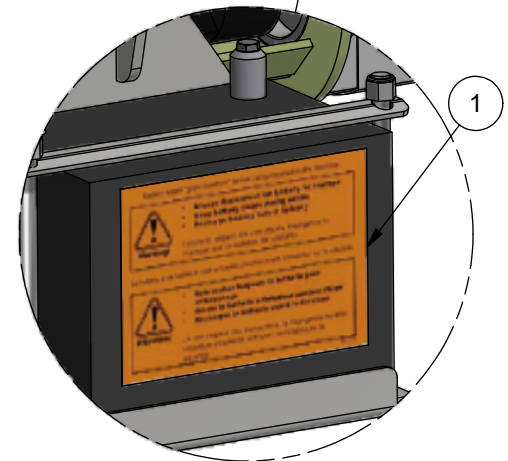
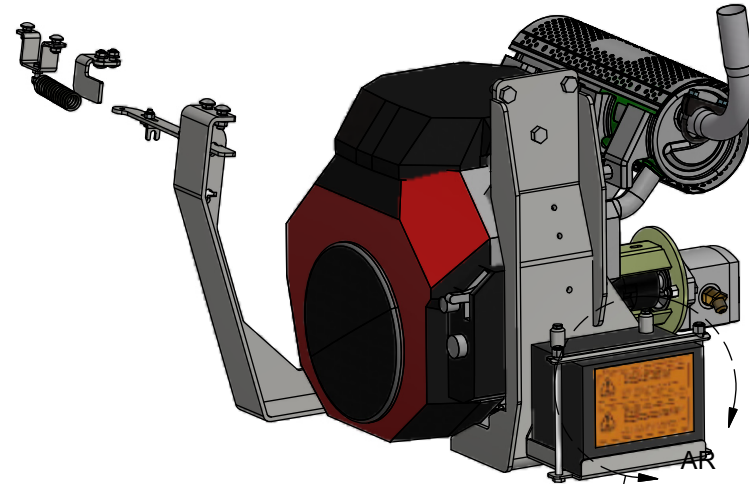
30 - DECALS / DÉCALQUES



Moteur 13 hp
13hp engine



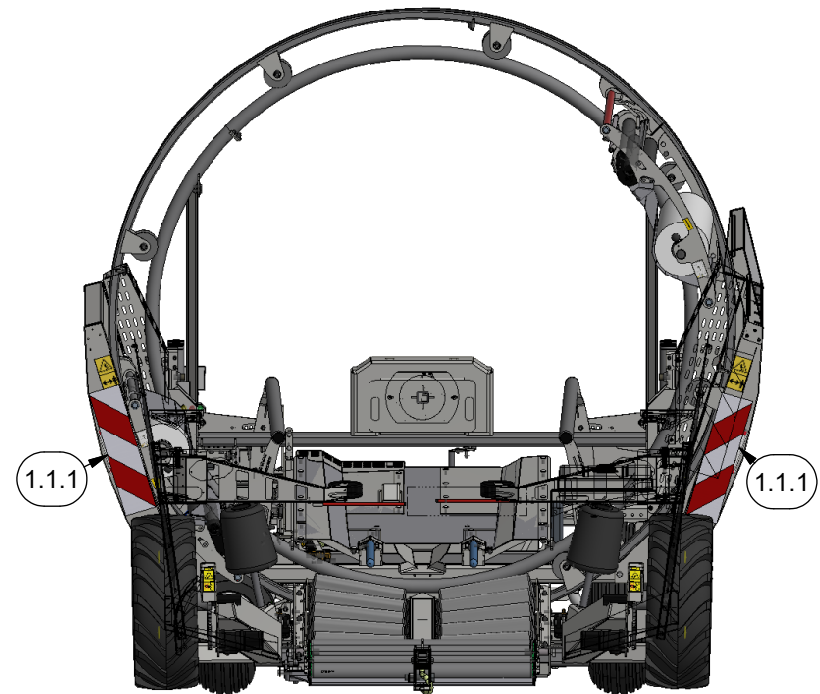
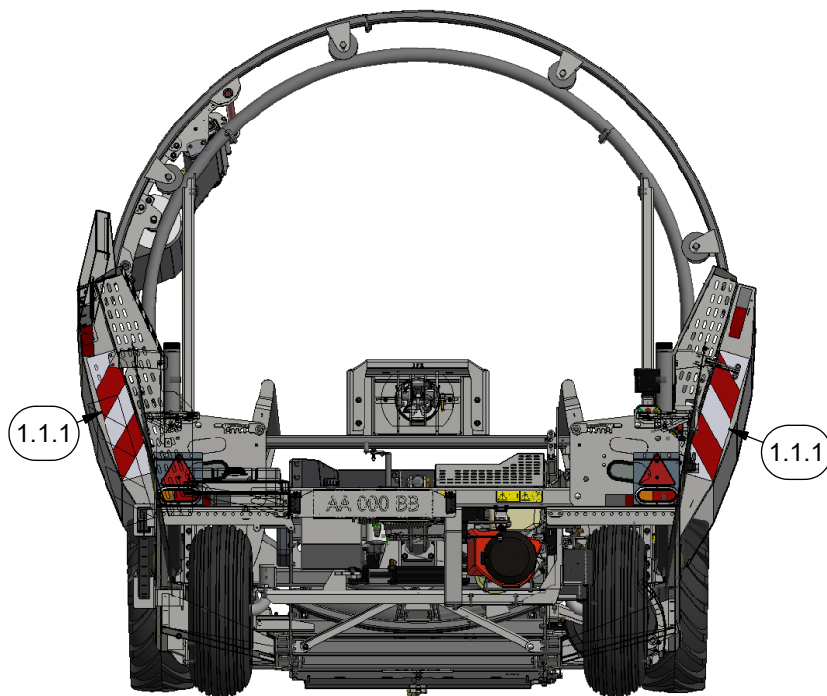
Moteur 20 hp
20hp engine



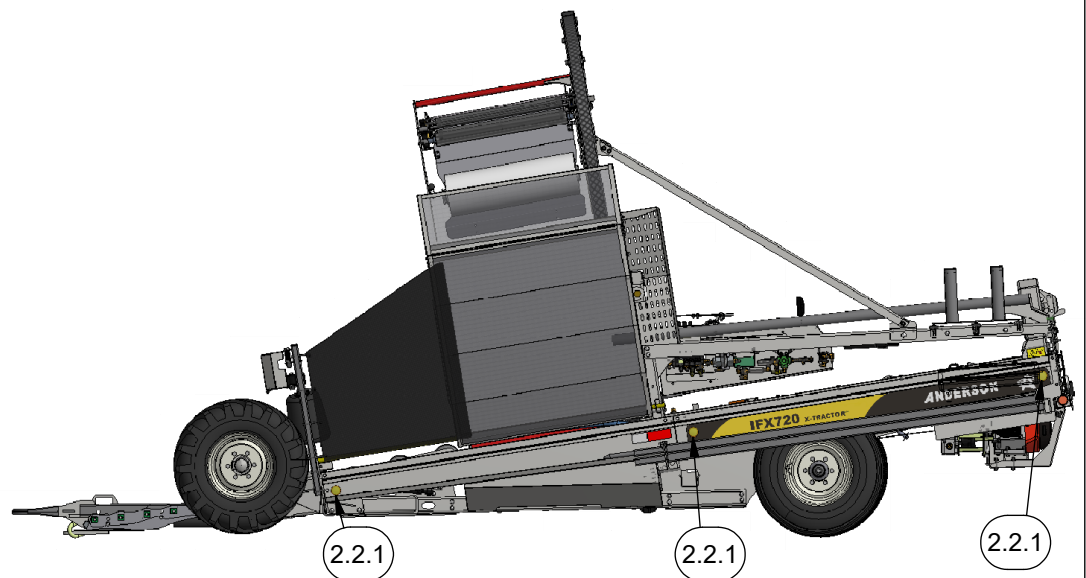
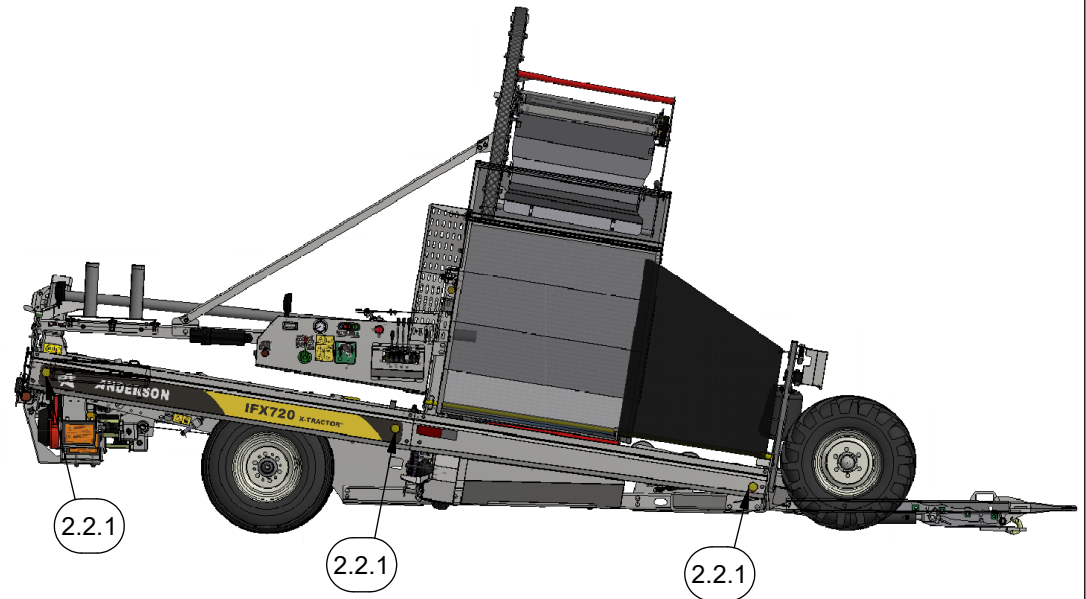
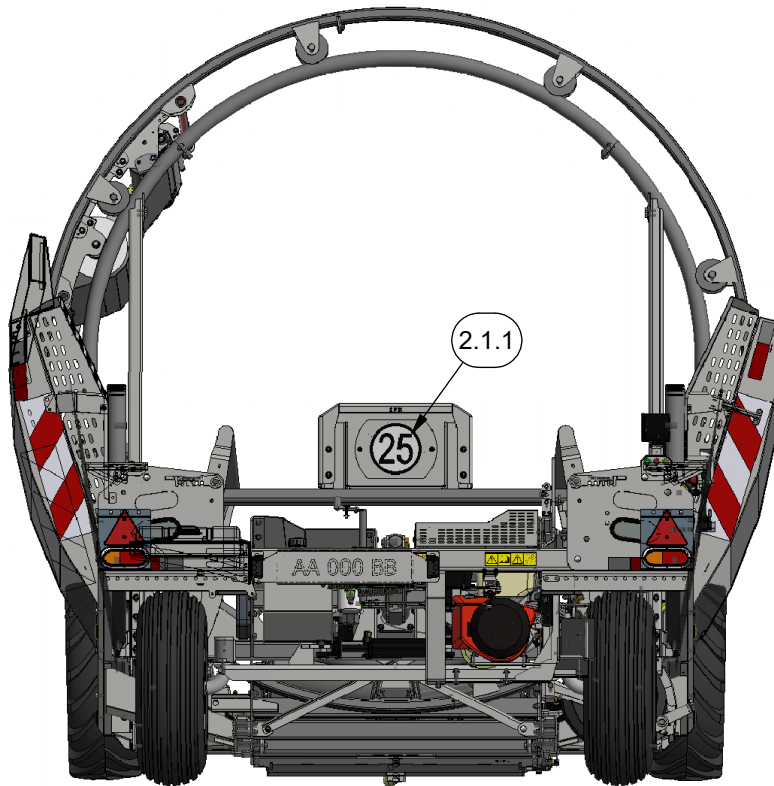
Décalques pour la France Decal for France

VUE ARRIÈRE
REAR VIEW

VUE AVANT
FRONT VIEW



Europe



30 - DECALS / DÉCALQUES



ITEM	QT	PART/PIECE	ENGLISH DESCRIPTION	DESCRIPTION FRANCAISE	NOTE
1.1.1	4	404222 (1/2)	REFLECTIVE TAPE	BANDE RÉFLÉCHISSANTE	
2.1.1	1	404183	25 KM/H SIGNALISATION PLATE	PLAQUE SIGNALISATION 25 KM/H	
2.2.1	6	900568	REFLECTOR	RÉFLECTEUR	
3	1	404347	IFX720 DECAL	DÉCALQUE IFX720	
4	1	404347-1	IFX720 DECAL	DÉCALQUE IFX720	
5	1	404293	STICKER PATENT PENDING	DECALQUE BREVET EN INSTANCE	
6	1	404209-3	MAIN FUNCTION DECAL	DECALQUE COMMANDES PRINCIPALE	
7	2	404025-1	DANGER STICKER	DECALQUE DANGER	
8	12	404002	LUBRICATION STICKER	DECALQUE GRAISSAGE	
9	2	404238	WARNING LOCK THE TENSIONER STICKER	DECALQUE ATTENTION VERROUILLER TENSIONNEUR	
10	2	404223	CLOSE FUEL SUPPLY	DECALQUE FERMER L'ARRIVÉE D'ESSENCE	
11	2	404041	DIRECTION STICKER	DECALQUE DIRECTION	
12	1	404148-1	STICKER 3 BUTTONS REV1	DECALQUE 3 BOUTONS REV1	
13	1	404067-1	DECAL	DECALQUE	
14	1	404046-1	DECAL	DECALQUE	
15	2	404043-1	WARNING CIRCLE IN MOVEMENT STICKER	DECALQUE ATTENTION CERCEAU EN MOUVEMENT	
16	2	404050-1	DECAL	DECALQUE	
17	1	404074-1	DECAL	DECALQUE	
18	1	404053-1	HYDRAULIC OIL VISCOSITY STICKER	DECALQUE VISCOSITÉ DE L'HUILE HYDRAULIQUE	
19	2	404049-1	CHECK OUT THE FOREDECK STICKER	DECALQUE ATTENTION PONT ROULANT	
20	1	404370	STICKER ANDERSON APP	DÉCALQUE APPLICATION ANDERSON	
21	1	404064-1	DECAL	DECALQUE	
22	1	404065	WARNING LOCK ON ROAD	DÉCALQUE ATTENTION VERROUILLER SUR LA ROUTE	
23	2	404169	DECALQUE DANGER POUSSOIR	DECALQUE DANGER POUSSOIR	
24	1	404147-1	DECAL OFF PUSHER REV1	DECALQUE DESACTIVER POUSSOIR REV1	
25	1	404146-1	DECAL	DECALQUE	
26	1	404073	DIRECTION ANGLE STICKER	DECALQUE ANGLE DE DIRECTION	
27	2	404051-1	CHAIN ENTRAINMENT	DECALQUE ENTRAINEMENT DE CHAÎNE	
28	1	404236-1	DECAL BALE SIZE RIGHT	DECALQUE GROSSEUR DE BALLE DROIT	
29	1	404236	DECAL BALE SIZE LEFT	DECALQUE GROSSEUR DE BALLE GAUCHE	
30	6	404040	OIL CHANGE STICKER	DECALQUE CHANGEMENT D'HUILE	
31	1	404057-1	READ THE MANUAL STICKER	DECALQUE LIRE MANUEL	
32	1	404159	DECAL	DECALQUE	
33	1	404157-1	DECAL LIGHT ON OFF	DECALQUE LUMIÈRE ON OFF	
34	1	404067-2	DECAL	DECALQUE	
35	1	404152	DECAL AUTOMATIC SYSTEM	DECALQUE SYSTÈME AUTOMATIQUE	
36	1	404042-1	CHECK THE WHEEL NUTS STICKER	DECALQUE VÉRIF, ECROUS DE ROUE	
37	1	404201	DECAL	DECALQUE	
38	1	404048-1	DECAL	DECALQUE	
39	1	404153	DECAL	DECALQUE	
40	6	404009	STICKER REFLECTOR RED/WHITE (BY FEET)	DECALQUE REFLECTEUR ROUGE-BLANC (AU PIED)	



Dwh§t9 !NDERSON

5125 de la Plaisance
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