

404647-4



Computer for a Single Bale Wrapper

Operator's Manual
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 St.
Chesterville, QC G0P 1J0
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1 Introduction

Your wrapper has a computer and a receiver, which allow it to work with a remote control. With the remote control, you can fully control the wrapper from a distance and have it wrap bales automatically. The wrapper can also be controlled manually using the hydraulic levers.

1.1 The wrapper's hydraulic control panel

The hydraulic control panel has one button and three to five levers (depending on the options you chose) for controlling the wrapper's hydraulic systems. The various lever functions are described in Table 1. The hydraulic controls can be used to manually control the wrapper. Some of the control levers can be used at the same time as the remote control is activating the wrapper, as described in "Operation" on page 17.

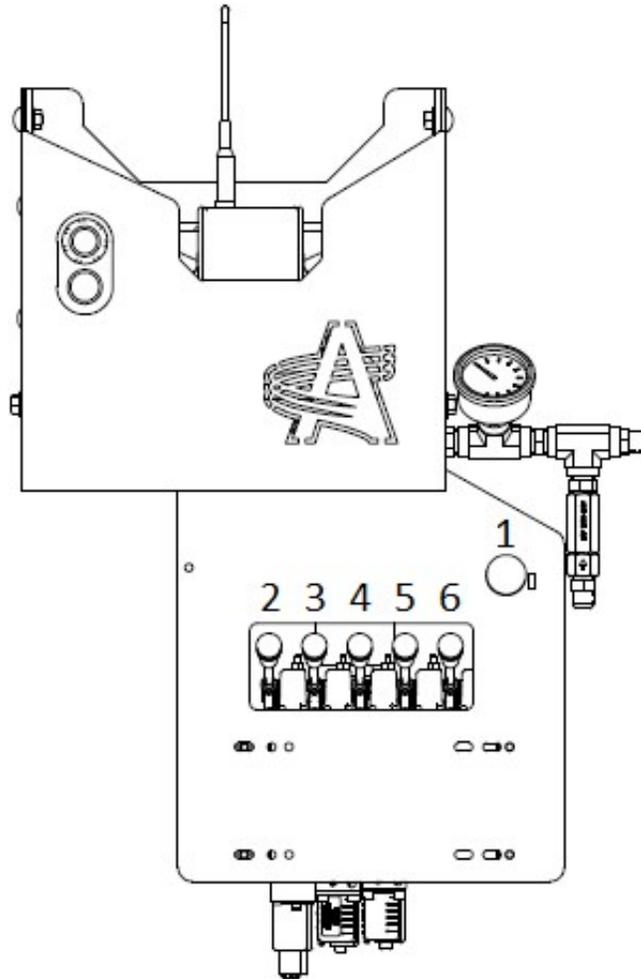


Figure 1 — Hydraulic Control Panel

Table 1 — Hydraulic Control Functions

Lever / Button	Function
1	Extend the plastic cutters
2	Control the dumper
3	Rotate the wrapper
4	Retract the plastic cutters
5	Control the front stabilizers
6	Control the rear stabilizers

1.2 Computer

The computer has a controller and a receiver. The controller (grey box) and receiver (black box with antenna) are located above the hydraulic control panel.

The controller is connected to a box located above the hydraulic controls (see the following figure). This box has an emergency stop button, which also activates the computer. It also has a button with a blue indicator light that is used to operate the wrapper when the remote control is out of order. The blue indicator light also shows the status of the wrapper: ready to wrap, currently wrapping, etc. (see the following table for the meaning of the different indicator light statuses).



Figure 2 — Emergency Stop Box

Table 2 — Meaning of the Blue Indicator Light

Blue indicator light status	Meaning
No light	The computer is off.
Slow flashing	The rotating table is not aligned properly on the wrapper.
	The machine is wrapping.
Rapid flashing	The computer is sending an error message.
Steady light	The machine is ready to wrap.

Receiver

The computer's receiver enables the remote to operate the wrapper. The receiver control panel, shown in the following figure, has a series of indicator lights and a button. The button, located inside the "O" in "HETRONIC" (see the arrow in the figure), connects the remote to the receiver. The meanings of each of the receiver indicator lights are described in the following table.



Figure 3 — Receiver Control Panel

Table 3 — Receiver Lights

Indicator light	Meaning
Starting the wrapper	No light: The computer is off.
	Flashing: The computer is on.
Signal	No light: The receiver and remote are not connected.
	Flashing: The receiver and remote have lost connection. The stronger the connection, the faster the light will flash.
	Steady light: The receiver and remote are connected.
Error	No light: There is no error message from the computer.
	Steady light: There is at least one error message from the computer.
M.C.	No light: The remote control is off, or no remote is connected to the receiver.
	Steady light: A remote is connected to the receiver.
CAN	No light: The receiver is not communicating with the computer's controller.
	Green light: The receiver is communicating with the computer's controller.
	The red signal LED of the controller flashes, which indicates a connection problem between the controller and the receiver.

1.3 Remote control

The remote control allows you to operate the wrapper from a distance. It comes with a rechargeable battery on the underside. An indicator light (circled in the next figure) in the middle of the remote control indicates the battery charge level. If the light is green, the battery is adequately charged. If the light is red, the battery is weak and must be charged.



Figure 4 — Remote Control

The functions of the remote control buttons are described in the next table.

Table 4 — Remote Control Functions

Button	Function
1	Remote control key and emergency stop*
2	No function (the button can be put in any position)
	Navigate upwards in the settings menus
	Navigate downwards in the settings menus
	Increase the value of the setting



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Button	Function
	Decrease the value of the setting
	Start the wrapper
	Pause the wrapper
	Align the wrapper
	Control the wrapper's work light
	Turn on the remote control
	Start the wrapper engine
	Turn off the wrapper engine

* The key must be in place for the remote control to work.

1.3.1 Remote control display

The remote control has three menus, as described in the next table.

Table 5 – Description of Menus Displayed on the Remote Control

Menu	Display	Description
Engine	RPM: 0000	The number of revolutions per minute for the engine
Wrapping	TR: 00 / 40	Number of rotations completed per bale / Number of rotations planned per bale
	RPM: 00 / 40	Actual rpm / Expected rpm
	Bal: 000	Number of bales wrapped per day
*Alignment		Allows alignment of the wrapper

* The Alignment menu is displayed by touching the  button when the wrapper is not wrapping.

When the computer sends an error code, it is automatically displayed on the remote control, at the latest 10 seconds later (see "Troubleshooting" on page 21). To clear the error code on the remote control screen, turn off the computer using the emergency stop button, then restart it.

1.4 Connecting the remote control and receiver

For the remote control to work, it must be connected to the computer's receiver. On its first use, the remote control is automatically linked to the receiver. However, if you need to replace your remote control, you need to link the new remote control to the receiver. This must be done the first time the remote control is used. Thereafter, the receiver will automatically recognize the remote control.

To link the remote control to the receiver:

1. Turn on the computer by pulling the emergency stop button (Figure 1).
2. Ensure that the remote control key is in place (#1 in Figure 4).
3. Turn on the remote control using its start button, .
4. While holding down the button in the centre of the "O" in "HETRONIC" on the receiver (see the arrow in Figure 3), press and hold the  button on the remote control for several seconds.
5. When the receiver's M.C. LED is on (Figure 3), the remote control is communicating with the receiver. You can then stop holding down the buttons.

1.5 Automatic shutoff on the remote control and receiver

Both the remote and receiver have an energy-saving automatic shutoff feature.

The remote automatically shuts off after 30 minutes of inactivity.

The receiver automatically shuts off once it has been disconnected from the remote for 30 minutes, either because the remote has been automatically or manually shut off or because it is out of range.

NOTE: The automatic shutoff on the receiver automatically causes the wrapper to realign.

2 Adjustments

The wrapping settings, such as the number of turns per bale and the rpm, are set and programmed using the remote control. To access the various settings menus:

1. Ensure that the computer is on and that the remote control is communicating with the receiver.

2. On the remote control, press the  and  keys simultaneously and then release them. The first settings menu (wrapper model) will appear on the screen.

3. Press the  or  keys to select a setting.

4. Once you have selected a setting, press  or  to select a value.

5. Once you are done with the settings, press the  and  keys simultaneously to return to the remote control menu.

The various wrapping settings are described in the following table.

Table 6 — Setting Descriptions

Setting	Description	Possible values
Anderson model	Selecting the wrapper model	680RB, 600RB, 800HS
Number of turns per bale Nb Tr:	Number of turns the wrapping table must do for each bale	Number between 1 and 40
Bal / J Bal / A	Number of bales wrapped for the day Number of bales wrapped for the year	Number starting from 0 To reset the annual counter to 0, see the procedure after this table.
Set the rotating table to zero	Align the rotating table (+ is for counter-clockwise; - is for clockwise)	-50 to 50 pulses
Select a tension number	Number of rolls of plastic film on the wrapper	1 / 2
Select 1/4 turn	Yes: Bales will be loaded from the side of the wrapper rather than the rear	Yes / No



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Setting	Description	Possible values
Auto-discharge	Whether the unloading must done automatically (this option is for diagnostics and tests)	Yes / No
Plastic watch	Whether the plastic watch is activated	Yes / No
Maximum rpm of the wrapper	The wrapper's maximum rotation speed	Number between 0 and 30
Language selection	Language used for the remote control	English / French
Hydraulic unit	Whether the wrapper is equipped with a motor	Yes / No
Braking angle	Angle at which the table begins to decelerate to stop	0° to 45°

Reset the number of bales wrapped to zero

The number of bales wrapped for the year can be reset to zero. To do so:

1. Select the Bal / A menu.



2. Hold down the  and  keys simultaneously for five seconds. This automatically resets the number of bales wrapped for the year to zero.

3 Preparation and start-up

3.1 Moving the wrapper

The wrapper can be moved with a tractor for short and medium distances. To ensure that the wrapper is moved safely, without risk of causing damage, follow the procedure below.

Before moving the wrapper:

1. Fasten the attachment bar of the rotating table (Figure 5) to prevent the table from turning during transport.
2. Hitch the wrapper behind the tractor and fasten a safety chain to the ring provided for this purpose.
3. Close the fuel supply valve on the right side of the engine, under the choke (see Figure 6).



Figure 5 — Fastening the Rotating Table



Figure 6 — Fuel Supply Valve



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3.2 Preparing the wrapper

Once the wrapper has been placed in the desired location, you must perform some manual operations to make sure it works properly.

NOTE: It is important to do this before turning on the engine, the computer, or the remote control.

1. Open the fuel supply valve on the right side of the engine, under the choke (Figure 6).
2. Detach the attachment bar of the rotating table (Figure 5).
3. Use the hydraulic levers to lower the wrapper's stabilizers (Figure 1) and level the wrapper.
4. If you are using the 800HS wrapper model, lower the bale receiver.
5. If you are using the 800HS wrapper model with a second stretcher, deploy it. Follow the instructions in the manual for the double stretcher for the 800HS model to finish preparing the wrapper.

4 Operation

This section describes how to make the wrapper work with the remote control. If the remote control is not functional, the wrapper can be activated with the blue LED button to the left of the emergency stop button. This method is described in "Wrapping" on page 18.

If neither the remote nor the computer are functional, the wrapper can be controlled manually with the hydraulic levers. This method is described in "The wrapper's hydraulic control panel" on page 5.

4.1 Starting and aligning the wrapper

Starting the computer and turning on the remote

To start the computer and turn on the remote control:

1. Pull the emergency stop button. The blue light will come on.
2. Ensure that the remote control key is in place and press the  button on the remote.
3. When the remote control screen comes on, push the power button again.
4. Ensure that the M.C. LED on the receiver's control panel is on (Figure 3).

If the wrapper engine is stopped, the computer will perform a series of electrical tests and the following message will appear on the remote control screen: **COIL TEST IN PROGRESS**. When the tests have finished, the remote control will show: **RPM MOTOR: 0000**.

If the wrapper engine is already on when you start the computer and turn on the remote, no test will be done. When it turns on, the remote control will display the message: **RPM MOTOR: xxxx**.

If the wrapper has no engine, the menu on the remote will always display **RPM MOTOR: 0000** and no test will be done on the coils.

Starting the wrapper engine

When the tests have finished, you can start the wrapper. To do so:

1. Put the wrapper's ignition key in the **ON** position.
2. On the remote control, press the button to start the wrapper engine .
3. Once the engine is running, the remote control will display: **RPM MOTOR: xxxx**. Adjust the rpm to 3,600 rpm directly on the engine.

NOTE: In cold weather, or at the start of the day, it is best to start the engine manually using the ignition key and throttle.

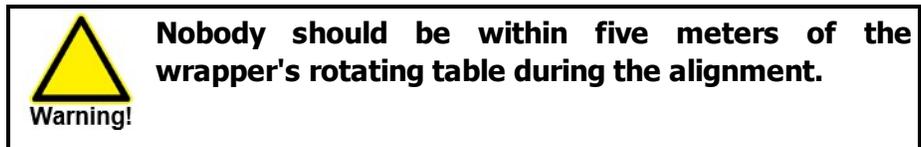


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Aligning the wrapper

Before wrapping, it is important to align the wrapper's rotating table with the machine. To do so:

1. Press the  key on the remote control.
2. When the alignment menu appears on the remote control screen, press the same key a second time. The alignment procedure is automatic and the remote control displays **ALIGNMENT IN PROGRESS**. Alignment may take up to 2 minutes.



When the alignment is complete, the remote control displays the wrapping menu as described in "Remote control" on page 9.

NOTE: You must align the wrapper again every time the computer goes into sleep mode.

4.2 Wrapping

With the remote control

You can now wrap using only the remote control. To do so:

1. Ensure that the blue button is lit up, which means that the alignment of the wrapper's rotating table is finished.
2. Place a bale in the centre of the rollers on the rotating table.
3. Push the start button for the wrapper, . The wrapping table will make the planned number of rotations and the unloading happens automatically, which engages the plastic cutter.
4. Repeat steps 2 and 3 to wrap all the other bales.

During wrapping, the screen on the remote displays the wrapping menu (see "Remote control" on page 9).

With the LED button

If your remote control is out of order, you can use the LED button to operate the wrapper and control the alignment of the rotating table.

If the indicator light flashes slowly, it means that the wrapper's rotating table is not properly aligned. To correct the alignment:

1. First press the LED button to prepare the wrapper for alignment.
2. Press it again to start the alignment. When the alignment has finished, the indicator light stops flashing.

If the indicator light is on, the wrapper is ready for wrapping. Press the indicator light once for the wrapping to start automatically.

Temporarily stopping the wrapper

To temporarily stop the current operation, press the  button on the remote control to pause the wrapping.

To continue the wrapping, press this button again.

Stopping the wrapper in an emergency

You can always stop an operation in an emergency by pressing the computer's emergency stop button (located above the hydraulic controls) or by pressing the remote control key (red button).

NOTE: To resume operations after an emergency stop, you must first align the wrapper again.

Finishing the wrapping

When the wrapping has finished, it is important to:

- Turn off the receiver
- Turn off the remote control
- Close the fuel supply valve on the wrapper engine (see Figure 6).

NOTE: The remote turns off automatically after 10 minutes of inactivity.

NOTE: If the computer was not turned off after wrapping, the alignment does not need to be readjusted when you recommence operations.

5 Troubleshooting

The following table describes the most common problems you may encounter with your wrapper. It also provides solutions for resolving them. If your problem is not in this table, or if you cannot resolve it yourself, contact your dealer's customer service or our technical service (see "How to reach us" on page 4 at the front of this manual for our contact information).

 Warning!	It is important to always turn off the computer using the red button before turning off the battery power.
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 Warning!	For any other problems, please contact your dealer or our technical service department.
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Table 7 — Common Problems

Problem	Possible cause	Solution
The computer does not work (the LED on the blue button may be lit or not, but the computer does not respond to commands from the remote).	The green operation LED of the controller is off, which indicates a power supply problem.	Check the computer's power supply.
	The red signal LED of the controller flashes, which indicates a connection problem between the controller and the receiver.	Check that the electrical cables between the controller and the receiver are connected properly and undamaged.
	The CAN LED of the receiver is off, which indicates that the receiver is not communicating with the computer's controller.	Check that the electrical cables between the controller and the receiver are connected properly and undamaged.



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Problem	Possible cause	Solution
The HETRONIC receiver is not working.	The power supply is defective.	Check the battery contacts and electrical connections. Clean them as needed.
	The power supply does not provide the necessary 12 V minimum.	Check the performance of the battery and the alternator. Correct them as needed.
The HETRONIC remote control is not turning on.	The transmitter battery is dead.	Install the charger or use the remote control with the support wire of the charger.
	The remote control key is not in place.	Put the remote control key in place.
The HETRONIC remote control is not communicating with the receiver.	The remote control is not connected to the receiver.	Follow the procedure in "Connecting the remote control and receiver" on page 11
	The remote control key is not linked to the remote control.	Contact Anderson Group technical support.
	The computer is not turned on.	Turn the computer on.
	The remote control is too far from the receiver.	Move the remote control closer to the receiver.
During alignment, the wrapper table turns clockwise continuously and the remote control displays the error message: PROX ZERO .	The zero-point sensor is defective, improperly adjusted, or improperly connected.	Check the connections of the zero-point sensor and also check its adjustment. Replace the zero-point sensor.
During wrapping, the table rotates constantly, the turns are not counted, and the remote displays the error message: PROX ZERO .	The zero-point sensor is faulty or improperly corrected.	Check the connections of the zero-point sensor and also check its adjustment. Replace the zero-point sensor.

The following table describes the error messages that can be displayed on the remote, their possible causes, and how to resolve them. Once a problem is detected (except those that generate the **ERROR UNKNOWN** and **ENG NT RUN** error messages), the wrapping cycle is interrupted and an error message is displayed on the remote control. Once a problem has been resolved, you must turn off and restart the computer (use the emergency stop button on the control panel) to reset the error message. The remote should no longer display the message.

Table 8 — Error Messages Displayed on the Remote

Message	Possible cause	Solution
ERROR NEED ALIGN	There is variation in the heat of the hydraulic oil.	Align the wrapper. Note: There must not be any bales on the rotating table during alignment.
ERROR RAISE RPM	The engine speed (RPM) is too low.	Increase the engine speed to the maximum (to over 3,400 rpm).
ERROR SPEED SENS	The speed sensor is defective.	Replace the sensor.
ERROR WRAP FW	The wrapping valve coil for counterclockwise rotation is faulty or improperly connected.	Check the connection of the coil of the wrapping valve. Replace the coil of the wrapping valve.
ERROR WRAP REV	The coil of the rear wrapping valve for clockwise rotation is faulty or improperly connected.	Check the connection of the coil of the rear wrapping valve. Replace the coil of the rear wrapping valve.
ERROR C UNLD RW	The dumping valve coil (ascending) is faulty or improperly connected.	Check the connection to the dumping valve coil (ascending). Replace the dumping valve coil (ascending).
ERROR C UNLD REV	The dumping valve coil (descending) is faulty or improperly connected.	Check the connection to the dumping valve coil (descending). Replace the dumping valve coil (descending).
ERROR C CLSE CUT	The valve coil for closing the plastic cutter is faulty or improperly connected.	Check the connection of the valve coil for closing the plastic cutter. Replace the valve coil for closing the plastic cutter.



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Message	Possible cause	Solution
ERROR C OPEN CUT	The valve coil for opening the plastic cutter is faulty or improperly connected.	Check the connection of the valve coil for opening the plastic cutter. Replace the valve coil for opening the plastic cutter.
ERROR UNKNOWN	Many possible causes.	<ol style="list-style-type: none"> 1. Ensure that the table turns when you start the alignment. 2. Check that the zero sensor is adjusted properly (wiring, sensor working). 3. Try aligning the wrapper again to see what error code will be displayed next.
ERROR MOT ENC	The controller is not receiving any signal from the speed sensor.	Check whether the speed sensor is working and replace it if necessary. If the speed sensor is working, the hydraulic motor encoder is what is defective. Replace the hydraulic motor.
ERROR ENG NT RUN	The Honda engine is off.	Start the engine.
ERROR PROX TABLE	The tilting table sensor is defective, improperly adjusted, or improperly connected.	Check the condition of the sensor and that it is adjusted properly, and check the wires. Replace the sensor
ERROR PROX ZERO	The zero-point sensor is faulty, improperly adjusted or improperly connected.	Check the connections and the adjustment of the zero-point sensor. Replace the zero-point sensor.
ERROR ROT RV SID	The rotating table turns in the wrong direction: the hydraulic hoses or cables are reversed.	Reverse the hydraulic hoses or cables.
ERROR VOLTAGE	The Honda engine battery needs to be replaced, or the Honda engine charging system is defective.	Replace the battery or repair the Honda engine charging system.