

**Deluxe Control System for
RB455A Round Baler**

OPERATOR'S MANUAL

Part number 84341064

1st edition English

January 2011



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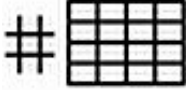
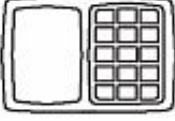









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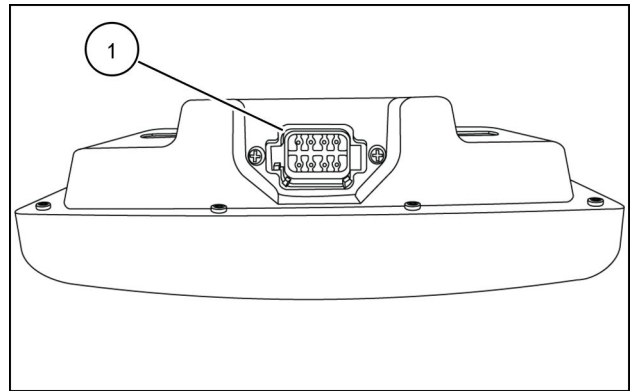
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1 - GENERAL INFORMATION

	<p>Number of Net Wraps</p>	<p>Number of net wraps on the bale.</p>
	<p>Operator's Panel</p>	
	<p>Outputs</p>	
	<p>Number of End Wraps (Right-hand End)</p>	<p>Number of twine wraps at the right-hand end of the bale.</p>
	<p>Setup/Diagnostics</p>	
	<p>Tailgate Closed (Right-hand side)</p>	<p>Tailgate switch indicates tailgate is fully closed and locked.</p>
	<p>Total Bale Count</p>	<p>Total bale count for the life of the machine.</p>
	<p>Twine</p>	<p>Twine symbol.</p>
	<p>Twine Wrap Pattern</p>	<p>Number of twine wraps applied to a bale. (14, 18, 22, or optional custom wrap pattern)</p>
	<p>User Settings</p>	
	<p>Volume</p>	<p>Level of sound from the alarm.</p>

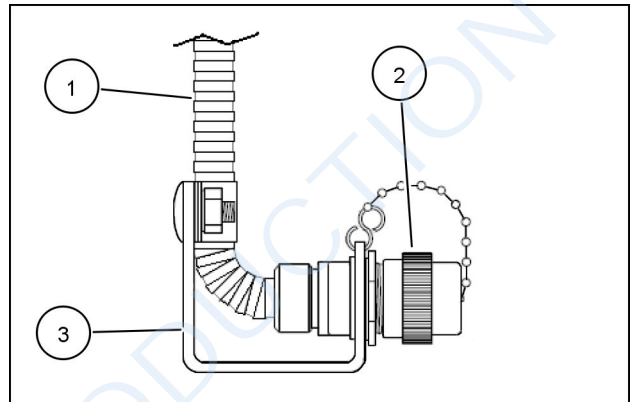
Install

Connect the wire harness female plug connector into the 8-pin male connector (1) on the bottom of the operator panel unit.



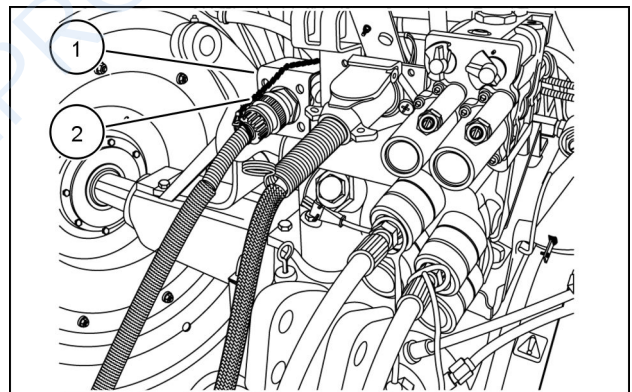
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From the tractor operator's seat, route the tractor-to-baler connector harness branch (1) from the operator's panel toward the rear of the tractor. If the tractor has a cab, the harness can be routed through a rear window or a hole can be made in the rear of the cab large enough to allow the connector end (shown with protective cap) (2) to pass through, after disassembling the connector from the mounting bracket (3). Protect the harness from any sharp edges.



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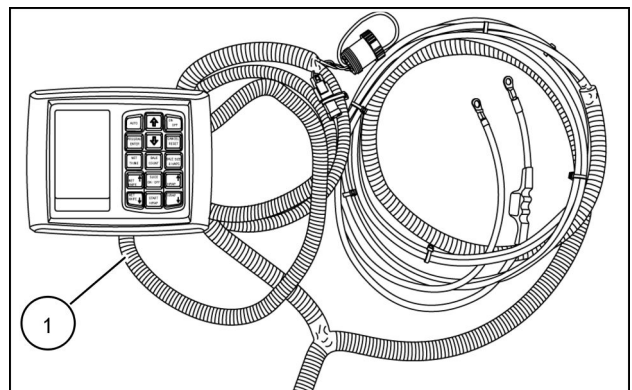
Mount the connector end mounting bracket (1) close to the center line of the rear of the tractor to reduce the chances of the baler harness assembly (2) contacting the PTO or becoming entangled when turning.



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Operator Panel Mounting/Storage

NOTICE: Specifically, for non-cab tractors, mount and/or store the operator's panel vertically, oriented with the harness (1) at the bottom, as shown, to protect the unit from water.



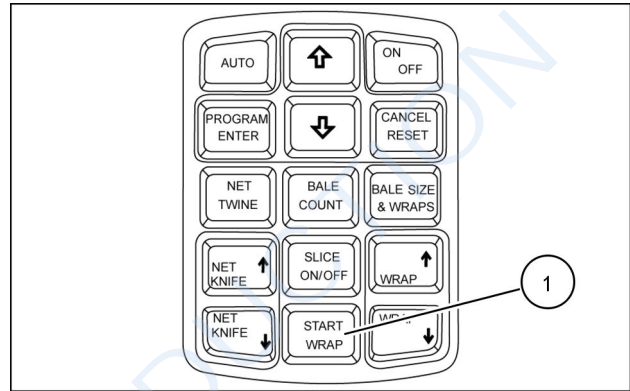
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Call-out number	Icon	Functionality/Description
(1)		Displays STOP icon for 5 s when Full Bale is sensed.
(2)		Displays until Twine Arms are in start position or the Duck Bill is in insert position.
		Displays Bale Wrapping during wrapping cycle
		Displays Bale Eject when wrapping is complete
		Flashes Closed Tailgate for 1 s after wrapped bale is ejected and tailgate is closed.

NOTE: Screen will return to Normal Operating Mode when Bale is completed wrapping and Tail Gate is closed.

Full bale alarm

- If the system is in the automatic mode, the automatic wrap cycle will start soon after the full bale alarm is activated.
- If the system is in manual mode, the operator can wrap the bale by using the EXTEND and RETRACT keys or by changing to the automatic mode and then pressing and holding the START WRAP key (1) for 2 s.



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Bale Ejection

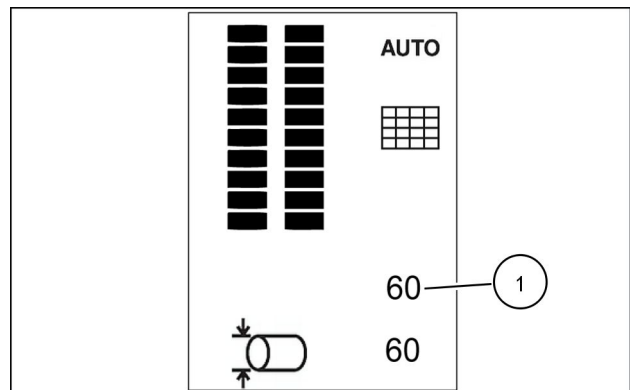
- When the wrap cycle (net or twine) is completed, and the bale eject icon appears, open the tailgate fully using the tractor hydraulics to eject the bale.
- When the bale is clear of the baler, close the tailgate and check to be sure it is latched. The alarm will beep when the sensor indicates the tailgate is latched.

NOTE: After the wrap cycle has completed and the bale has been ejected, the bale is added to the daily and total bale counts.

FIELD OPERATIONAL ADJUSTMENTS

Bale diameter adjustment

- Press the BALE SIZE/WRAPS key once to show the value (1) for the bale diameter setting.
- Use the arrow keys to change value(s).
- The value will stay on the display for 10 s, then return to the normal operating screen.



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ITEM 6 - Bale Shape Alarm Threshold

The bale shape alarm threshold is used to set the sensitivity of the bale shape alarm. The alarm can be set to turn on when there is a differential of 20% - two bars, 30% - three bars, 40% - four bars, 50% - five bars, or 60% - six bars between the two sides. Each bar segment of the graphs is equal to 10% of the range of sensor movement. The initial factory setting for the threshold is 10 indicated by four bars.

Item 7 - Bale Shape Sensitivity

Used to adjust the sensitivity of the bar graphs for bale shape by changing the time interval between readings processed by the operator's panel. The higher the number the slower the response of the graphs. The lower the number the faster the response of the graphs. The initial factory setting is 10.

Item 11 - Audible alarm volume

This setting is used to change the volume of the audible alarm with 0 being the softest and 10 being the loudest.

Item 12 - Op panel back light

This setting is used to change the brightness of the display with 0 being the dimmest and 10 being the brightest.

Item 13 - Return














Pressing PROGRAM with this icon highlighted will return the operator to the previous screen. The CANCEL/RESET key can also be used to return to the previous screen.

NOT FOR REPRODUCTION

Operator's panel

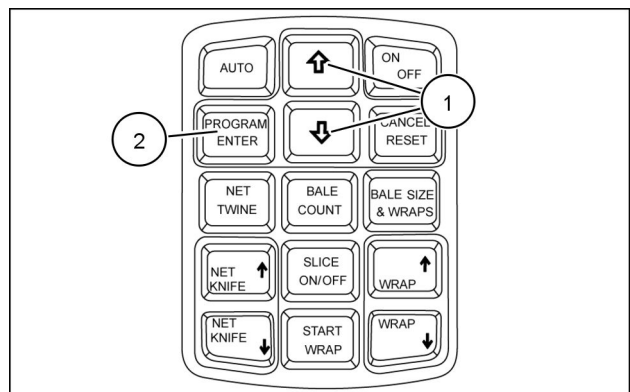
Overview

The operator's panel menu includes information and tests that can be accomplished in assisting the operator to diagnose issues within the panel. Further, this menu can be accessed at any time by pressing and holding the PROGRAM/ENTER key for **3 s**. This allows for checking the operator's panel in the event of controller failure on the baler.

Description	Column 1 Index Number	Column 2 Icon indication	Column 3 Icon Indication	Column 4
				
Op Panel Information	1	i		
All tests	2	✓		
Key Pad Test	3			
Audible Alarm Test	4			
CAN Test	5			
Contrast Test	6	▼		
Battery Voltage	7			12 V
Switched power out voltage	8			11.8 V
Volume	9			
Brightness	10			
Contrast	11			
Return	12			

To Run a Test:

1. Use the arrow keys **(1)** to scroll to desired test.
2. Press the PROGRAM/ENTER key **(2)**.
3. Press and hold the CANCEL/RESET key for **3 s** to return to the operator's panel diagnostics menu.
4. To exit the operator's panel diagnostic menu, press and hold the CANCEL/RESET key for **3 s**.



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