Net/Twine Wrapper for RB454, RB464 and RB564

Round Balers

OPERATOR'S MANUAL

Part number 84267651

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CASE IH AGRICULTURE

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CONTENTS

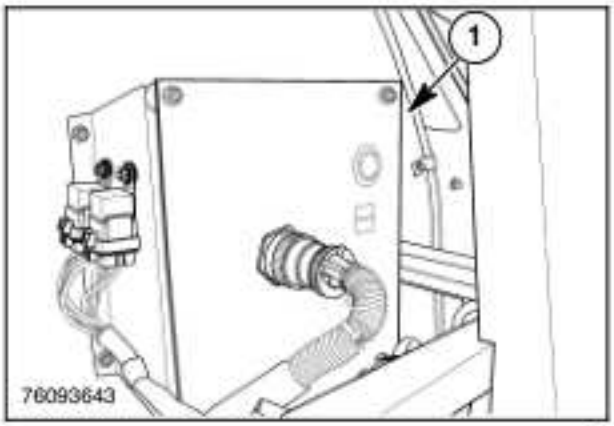
PRECAUTIONARY STATEMENTS 0-2
GENERAL INFORMATION 1-1
INSTALLATION OF TRACTOR-MOUNTED COMPONENTS 2-1
OPERATOR'S PANEL OPERATION 3-1
FIELD OPERATION 4-1
MAINTENANCE 5-1
TROUBLESHOOTING 6-1
INDEX 6-19

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BALER-MOUNTED COMPONENTS

Control box

The control box, 1, processes the information from the various sensors and the operator's panel to control the operation of the Net/Twine Wrapper system based on the information it receives. It must be set for the model of the baler it is installed on for it to function properly. It processes signals from the actuator position, bale size, bale shape, tailgate position and net counter roll sensors. It sends signals to the operator's panel to display information for the operator. It also contains solid-state relays that supply power to the wrap actuators and Net/Twine actuator selector relay.



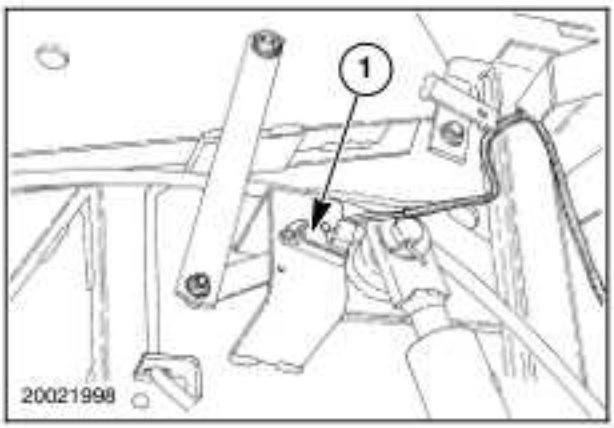
5

Remote Override Lead

An electrical lead is used to connect the switch to one of the actuators. This lead is normally disconnected and stored in the vicinity of the control box.

Bale Size Sensor

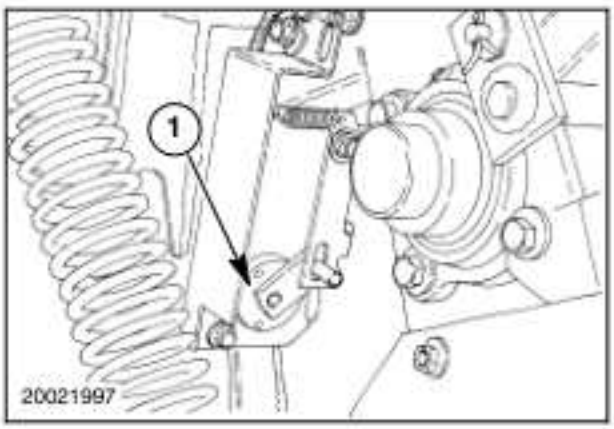
The bale size sensor, 1, is a rotary potentiometer that changes the level of its return signal to the control box based on the amount of rotation of the sensor rotor section that is connected through linkage to the bale-forming belt take-up arm. The control box converts the signal to a bale size and displays the size on the operator's panel.



6

Bale Shape Sensors (Right-hand Side Only Shown)

The bale shape sensors, 1, are rotary potentiometers that change the level of the return signal to the control box based on the amount of rotation of the sensor center section that is connected through linkage to the bale shape spring inside the bale chamber. The control box converts the signal to display the appropriate sections of the bar graphs on the operator's panel.



7

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Checking the Number of Twine Wraps and End Wraps

The system must be in the twine wrap mode to check the number of twine wraps and end wraps to be placed on a bale.

Pressing and releasing the NUMBER WRAPS key will display the number of wraps and end wraps to be wrapped on the bale. After the selection is displayed for 2 seconds, the display will return to the previous readout. Pressing and holding the NUMBER WRAPS key will keep the numbers displayed for 2 seconds after the key is released.

Three pre-programmed twine wrap selections are available to wrap the bales. All selections default to two end wraps, but can be changed to provide three or four end wraps. One custom pattern, PAt4, is available to wrap the bale if the standard patterns are not suitable. Refer to "Setup/Diagnostic Mode", Item 2, Section 3.

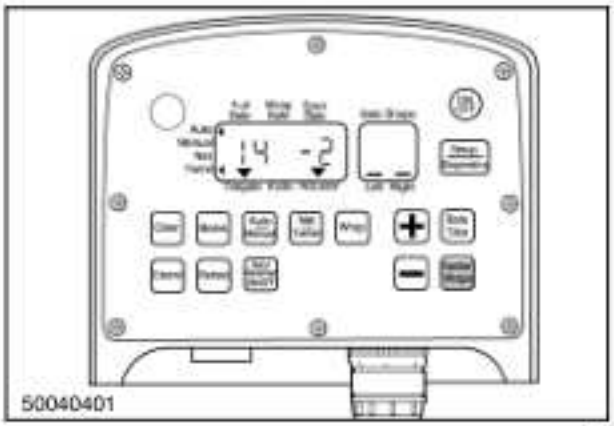
The twine wrap selections will place the following amount of wraps and end wraps on a bale:

Display	Number of Wraps
14-2	14 wraps including 2 end wraps
18-2	18 wraps including 2 end wraps
22-2	22 wraps including 2 end wraps on a Model RB454 or RB464
24-2	24 wraps including 2 end wraps on a Model RB564

PAt 4- The number of wraps depends on how the operator's panel was custom programmed by the operator. If nothing is programmed in PAt 4, it will wrap the bale with 22 wraps on Models RB454 and RB464 or 24 wraps on the Model RB564.

Be sure the operator's panel is programmed for the model baler it is operating. Refer to Setup item 9 in Section 3. Not all models are available in all markets.

NOTE: *The number of twine wraps placed on the bale is based on a PTO speed of 540 or 1000 RPM, depending on the machine. If the PTO speed is lowered during the wrapping cycle, less wraps will be placed on the bale. The operator's panel moves the twine arms based on the time it takes for a full size bale to make a complete revolution when the PTO is operated at 540/1000 RPM.*



19

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SECTION 5
MAINTENANCE

⚠ WARNING ⚠

Maintenance hazard! Observe the following safety precautions before performing any lubrication or maintenance.

1. **Shut off tractor engine and remove key.**
2. **Disengage PTO drive.**
3. **Engage tractor parking brake.**
4. **Engage tailgate lockout valves if tailgate is raised.**
5. **Make sure all guards and shields are installed.**

Failure to comply could result in death or serious injury.

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Electrical connections should be kept properly connected and free from rust or corrosion. Dielectric grease is recommended for use on the electrical connector pins. This grease lubricates the pins reducing the possibility of corrosion and provides good electrical continuity between mating parts. This grease will collect dust and dirt if left exposed. All connectors should be protected when they are disconnected.

For the Net/Twine Wrapper system to operate properly, all of the sensors and magnets must be adjusted correctly.

The EXTEND and RETRACT keys can be used to manually move an actuator. When the actuator is in the desired position, turn the Net/Twine Wrapper system off so the actuator cannot be moved accidentally when working on the baler.

⚠ WARNING ⚠

Unexpected movement! To prevent accidental movement of an actuator during service, turn the operator's panel system OFF once the actuator is in the desired service position. Failure to comply could result in death or serious injury.

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To make sure the Net/Twine Wrapper system operates properly, all sensors must be adjusted properly.

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