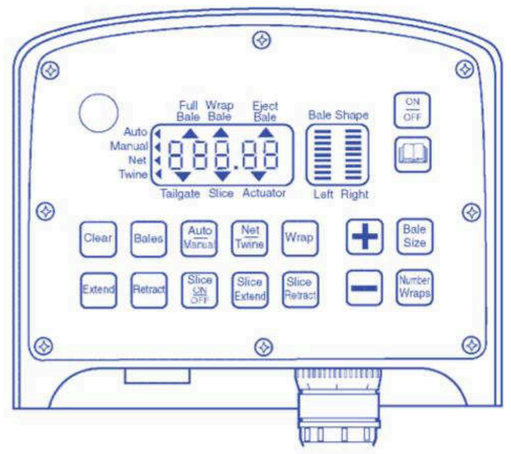
NEW HOLLAND

Bale Command Plus™

For BR740, BR750, BR770, BR780 Round Balers

OPERATOR'S MANUAL



87043785 5/04

NEW HOLLAND

MidWestTech | New Holland Bale Command Plus BR740, BR750, BR770, BR780 Round Baler Operator's Manual | Publication 87043785

Order the manual at mid-west-tech.com >

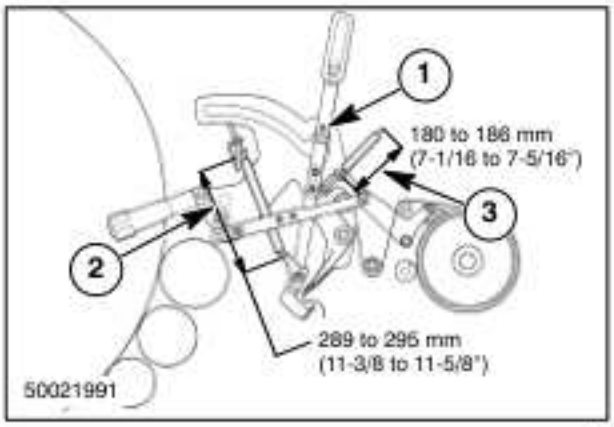
CONTENTS

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 6-21

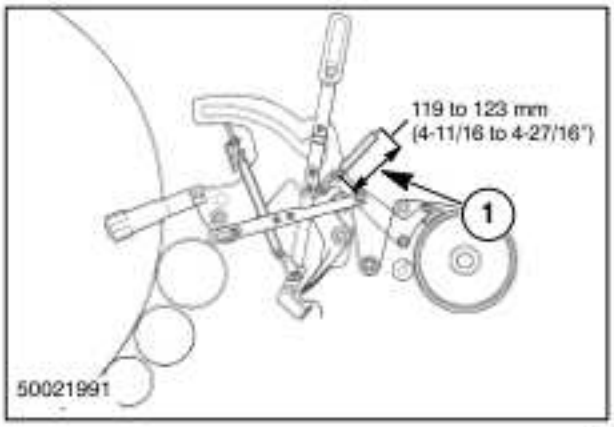
MidWestTech | New Holland Bale Command Plus BR740, BR750, BR770, BR780 Round Ba... Order the manual at mid-west-tech.com >

13. Move duckbill to the home position with the retract key.
14. Check that the cam follower bearing, 1, does not hit the end of the notch in the cam.

    If it does adjust the length of the knife link.
15. Recheck the cam follower clearance at both ends of it's travel in the cam slot.
16. With the duckbill in the home position, adjust the knife spring, 2, to a length of 289 to 295 mm (11-3/8 to 11-5/8").
17. With the duckbill in the home position, adjust the brake spring, 3, to a length of 180 to 186 mm (7-1/16 to 7-5/16") inside the hooks.
    - Units built on or before 09/03: adjust the brake spring, 3, to a length of 180 to 186 mm (7-1/16 to 7-5/16") inside the hooks.
    - Units built after 09/03: adjust the brake spring, 1, to a length of 119 to 123 mm (4-11/16 to 4-27/32") inside the hooks.



71



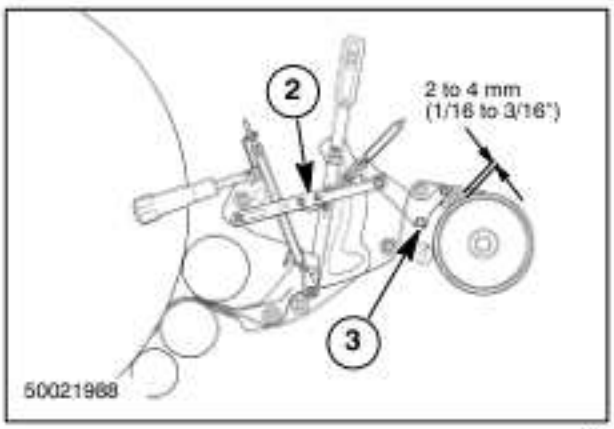
72

18. Move the duckbill to the inserted position.

The brake, 1, must be 2 to 4 mm (1/16 to 3/16") off the brake drum.

The adjustment can be made at the link length, 2, or the brake arm pivot, 3, as required.

When the mechanical adjustments are complete, proceed to the electronic setup.



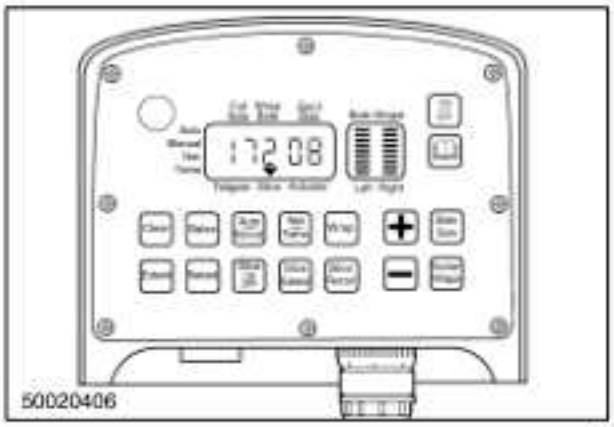
73

MidWestTech | New Holland Bale Command Plus BR740, BR750, BR770, BR780 Round Ba... Order the manual at mid-west-tech.com >

To calibrate the slicing position:

6. Adjust and calibrate the home position as described in steps 1 through 5 above.
7. Move the actuator to extend the knives to the desired slice position using the SLICE EXTEND and SLICE RETRACT keys.
8. Press and hold the + (plus) key for one second until the alarm activates. The actuator indicator will be on steady during the calibration.
9. To clear an incorrect calibration, Press and hold the CLEAR key for one second until the alarm activates. The actuator indicator will be on steady for one second during the reset. Repeat the calibration procedure.

NOTE: *Be sure to return the knives to the home position following calibration. Use the SLICE RETRACT key to move the actuator to retract the knives home.*



89

To test operation of the sensor:

10. Enter the setup/diagnostic mode as described in steps 2 and 3.
11. Use the SLICE EXTEND and SLICE RETRACT keys to move the actuator and rotate the lever attached to the sensor.

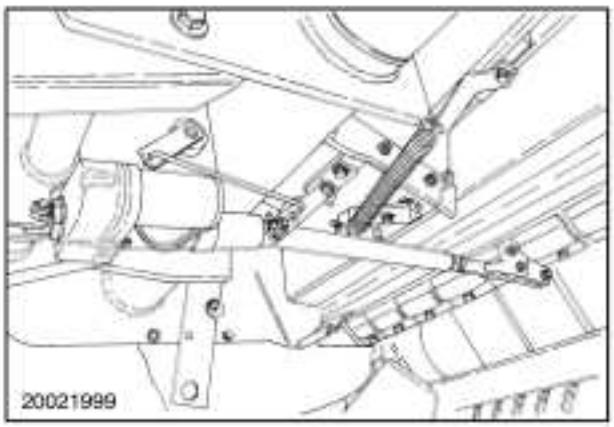
    OR

    Remove the link connecting the sensor lever to the actuator bracket and rotate the lever.

    The number on the display should change as the lever is rotated. Move the lever from home to slice and back again.

IMPORTANT: *Do not force the lever as the sensor may be damaged.*

The range for the display is approximately 0 to 255. If while moving the sensor to the maximum position the number abruptly goes to approximately 0 or 255, check the wiring harness or the sensor for damage or a loose connection. A zero displayed on the operator's panel indicates a broken wire or open circuit. If the wiring and connections are good, check for possible damage to the sensor or contact your authorized dealer for assistance.



90

MidWestTech | New Holland Bale Command Plus BR740, BR750, BR770, BR780 Round Ba... Order the manual at mid-west-tech.com >

SECTION 5
MAINTENANCE

⚠ CAUTION ⚠

Never carry out any maintenance work while the machine is running. Always disengage the tractor PTO drive, stop the tractor engine, and apply the brakes. Always reinstall all guards after adjusting or repairing the machine.

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 Bale Command Plus 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 Bale Command Plus system off so the actuator cannot be moved accidentally when working on the baler.

⚠ CAUTION ⚠

If an actuator moves unexpectedly, serious injury could result.

To make sure the Bale Command Plus system operates properly, all sensors must be adjusted properly.

MidWestTech | New Holland Bale Command Plus BR740, BR750, BR770, BR780 Round Ba... Order the manual at mid-west-tech.com >