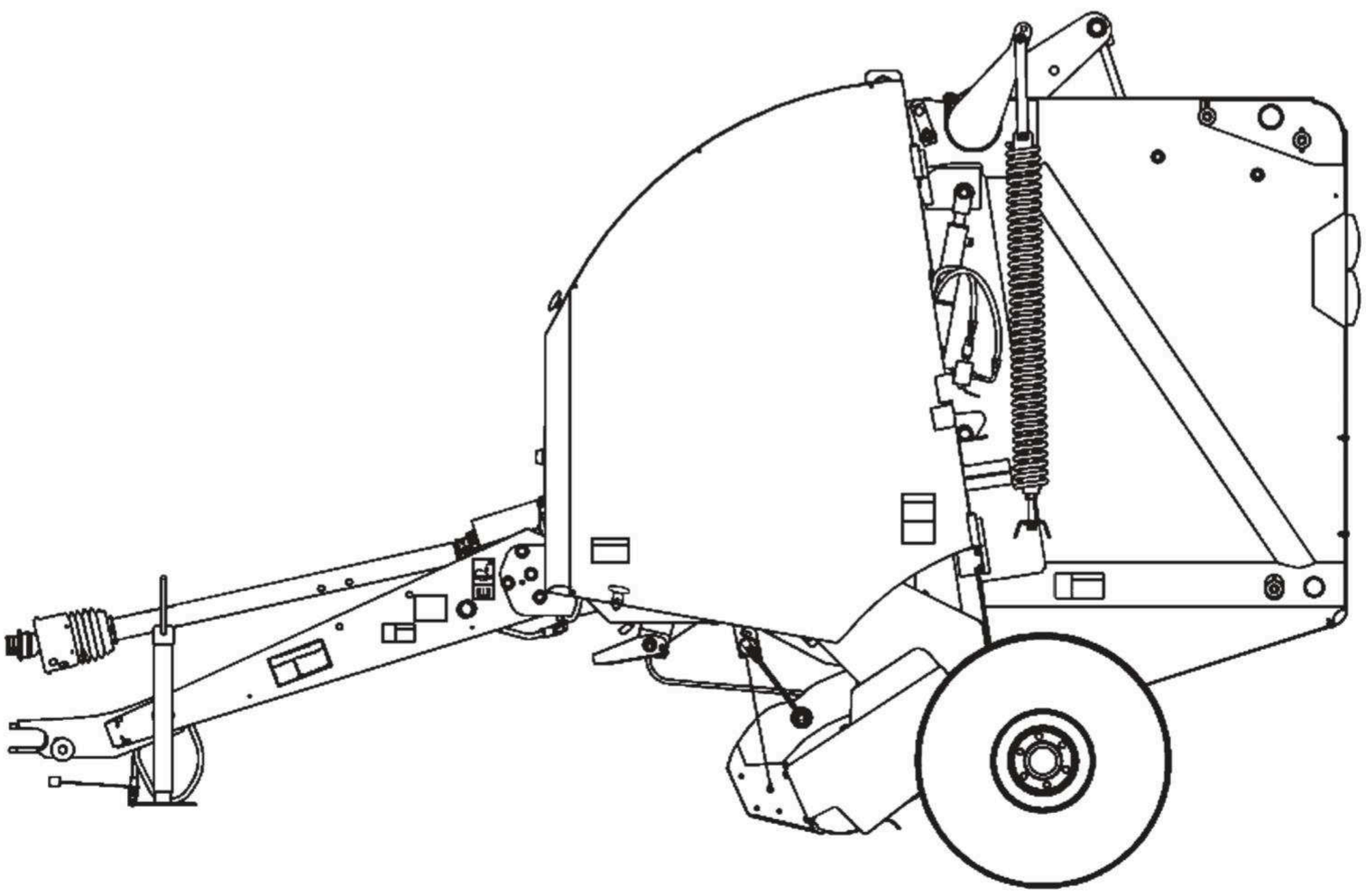
OPERATOR'S MANUAL

Roll-Belt™ 450 Utility
Round Baler



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NEW HOLLAND AGRICULTURE

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NOTE: *Imperial Units,* ***1/4*** *inch and* ***5/16*** *inch hardware torque specifications are shown as pound-inches (* ***# lb in*** *). Imperial Units,* ***3/8*** *inch through* ***1*** *inch hardware torque specifications are shown as pound-feet (* ***# lb ft*** *).*

INCH NON-FLANGED HARDWARE

NOMINAL SIZE	SAE GRADE 5 BOLT and NUT		SAE GRADE 8 BOLT and NUT		LOCKNUT GrB W/ Gr5 BOLT	LOCKNUT GrC W/ Gr8 BOLT
	UN-PLATED or PLATED SILVER	PLATED W/ZnCr GOLD	UN-PLATED or PLATED SILVER	PLATED W/ZnCr GOLD		
1/4 in	8 N·m (71 lb in)	11 N·m (97 lb in)	12 N·m (106 lb in)	16 N·m (142 lb in)	8.5 N·m (75 lb in)	12.2 N·m (109 lb in)
5/16 in	17 N·m (150 lb in)	23 N·m (204 lb in)	24 N·m (212 lb in)	32 N·m (283 lb in)	17.5 N·m (155 lb in)	25 N·m (220 lb in)
3/8 in	30 N·m (22 lb ft)	40 N·m (30 lb ft)	43 N·m (31 lb ft)	57 N·m (42 lb ft)	31 N·m (23 lb ft)	44 N·m (33 lb ft)
7/16 in	48 N·m (36 lb ft)	65 N·m (48 lb ft)	68 N·m (50 lb ft)	91 N·m (67 lb ft)	50 N·m (37 lb ft)	71 N·m (53 lb ft)
1/2 in	74 N·m (54 lb ft)	98 N·m (73 lb ft)	104 N·m (77 lb ft)	139 N·m (103 lb ft)	76 N·m (56 lb ft)	108 N·m (80 lb ft)
9/16 in	107 N·m (79 lb ft)	142 N·m (105 lb ft)	150 N·m (111 lb ft)	201 N·m (148 lb ft)	111 N·m (82 lb ft)	156 N·m (115 lb ft)
5/8 in	147 N·m (108 lb ft)	196 N·m (145 lb ft)	208 N·m (153 lb ft)	277 N·m (204 lb ft)	153 N·m (113 lb ft)	215 N·m (159 lb ft)
3/4 in	261 N·m (193 lb ft)	348 N·m (257 lb ft)	369 N·m (272 lb ft)	491 N·m (362 lb ft)	271 N·m (200 lb ft)	383 N·m (282 lb ft)
7/8 in	420 N·m (310 lb ft)	561 N·m (413 lb ft)	594 N·m (438 lb ft)	791 N·m (584 lb ft)	437 N·m (323 lb ft)	617 N·m (455 lb ft)
1 in	630 N·m (465 lb ft)	841 N·m (620 lb ft)	890 N·m (656 lb ft)	1187 N·m (875 lb ft)	654 N·m (483 lb ft)	924 N·m (681 lb ft)

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SETUP AND OPERATION

Audible Alarms

NORMAL OPERATION	
Full Bale - Automatic (AUTO) mode	3 second tone
Wrap Cycle Completed	1 second tone
Tailgate Closed	1 second tone
Full Bale - Manual (MAN) Mode	Continuous tone

FAULTS	
Tailgate Open	2 pulse tones
Wrapper Out of Home Position	3 pulse tones
Faulty Potentiometer	5 pulse tones
Full Bale Detected Upon Startup	7 pulse tones
Calibration Out of Range	10 pulse tones
Faulty Wrap	Continuous pulsing tone

Manual / Off / Automatic Operation

Select via MAN / OFF / AUTO switch.

- OFF – Middle position of MAN / OFF / AUTO switch prevents function of operator's panel switch controls.
- MANUAL Operation:
  - Bale does not wrap when bale reaches full bale.

    NOTE: *If the bale has been made in the Manual mode, the bale can be automatically wrapped by toggling the wrap pattern switch from H to M, 3 times, i.e., (H-M-H-M-H-M).*
    See: Initiating the Wrapping Cycle below for more details.
  - Full bale alarm sounds when the full bale is reached.
- AUTOMATIC Operation:
  - Twine or net wrap cycle automatically starts when the bale size indicator activates the full bale switch. (Pressing the EXT or RET switch aborts the automatic wrap cycle)
  - The alarm sounds for 3 seconds when the full bale has been reached.
  - The alarm sounds for 1 second when the wrap cycle has completed, indicating the tailgate can be opened to eject the bale.
  - The alarm sounds for 1 second when the tailgate has returned to the home (latched) position.

Wrap Pattern Selection

Twine Wrapping - Amount of wraps.

- Selection is made by positioning the L / M / H switch.
- L = Approximately 14 wraps on a **60** inch diameter bale.
- M = Approximately 22 wraps on a **60** inch diameter bale.
- H = Approximately 28 wraps on a **60** inch diameter bale.

Net Wrapping - Amount of wraps.

- Selection is made by positioning the L / M / H switch.
- L = Approximately 2 wraps on a **60** inch diameter bale.
- M = Approximately 3 wraps on a **60** inch diameter bale.
- H = Approximately 4 wraps on a **60** inch diameter bale.

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Roller chains

Overview

- Roller chain elongation due to wear is a normal phenomena during drive operation.
- The individual joints in a roller chain articulate as they enter and leave the sprockets. This articulation results in wear on the pins and bushings.
- As material is worn away from these surfaces the chain will gradually elongate.
- Since roller drive chains are widely used, productivity is highly dependent on the performance of the roller chain. Roller chains that suffer from premature elongation (stretch) due to wear and needs to be replaced on a frequent basis will negatively impact productivity and increase the cost of the operation.
- All chain drives should receive regular maintenance.
- At each inspection, several critical areas need to be addressed as described below.

Lubrication and Maintenance

- The importance of proper lubrication and maintenance of roller chain during operation cannot be overstated. Close adherence to lubrication type and method, based on the drive's specifications, will not only reduce wear but produce other benefits such as cushion impact loads and heat dissipation.

⚠ WARNING

Chemical hazard!
Always wear protective clothing and goggles when cleaning with solvents, acids, or alkaline chemical agents. Always follow the chemical manufacturer's instructions.
Failure to comply could result in death or serious injury.

W0188A

- On slow speed drives, where manual lubrication is used, be sure the lubrication schedule is being followed. If the chain is covered with dirt and debris, clean the chain with a non-flammable solvent and re-lubricate it.
- If drip lubrication is used, check for adequate oil flow and proper application to the chain. With bath or pump lubrication, check oil level and add oil if needed.
- Check oil for contamination and change oil if needed.
- If pump lubrication is used, check each orifice to be sure it is clear and is directing oil onto the chain properly.

Chain Tension

- Check chain tension and adjust as needed to maintain the proper sag in the slack span.

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(11)

Description:
WARNING
• Moving parts under this cover.
• DO NOT open cover while operating.
Failure to comply could result in death or serious injury.

Quantity: 2 (On Twine Balers)
Quantity: 1 (on Net/Twine Balers

Part #:
86632699 - English
86632803 - French
87479026 - Spanish



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Location:
Sign **(11)** - Front Shield and Gearbox Input Shaft Shield
Reference: Front View - Twine Baler, Figure **2**

Location:
Sign **(11)** - Front Shield
Reference: Front View - Net/Twine Baler, Figure **3**

(12)

Description:
WARNING
SHIELD IS OPEN
STAND CLEAR
Replace or close shield before operating machine
Failure to comply could result in death or serious injury.

Quantity: 2

Part #:
86626959 - English
86624741 - French
86624653 - Spanish



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Location:
Sign **(12)** - Left-hand Side Sheet
Reference: Left-hand View - Door Shield Removed - Twine Baler, Figure **6**

Location:
Sign **(12)** - Left-hand Side Sheet
Reference: Left-hand View - Door Shield Removed - Net/Twine Baler, Figure **7**

Location:
Sign **(12)** - Right-hand Side Sheet
Reference: Right-hand View - Door Shield Removed - Twine Baler, Figure **12**

Location:
Sign **(12)** - Right-hand Side Sheet
Reference: Right-hand View - Door Shield Removed - Net/Twine Baler, Figure **13**

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Description:

Bale Size Indicator

Quantity: 1

Part #:
84134375 B



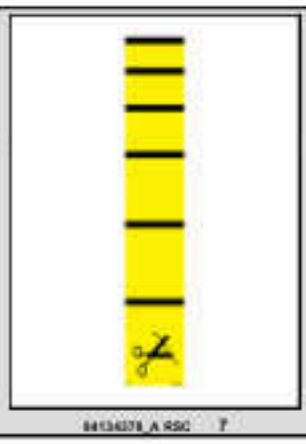
Location:
Located on the curved forward panel of the right-hand door shield parallel to the bale size indicator arrow mechanism when the door shield is closed.

Description:

Twine Wrapper Tubes Position and Twine Cut Indicator

Quantity: 1

Part #:
84134378 A



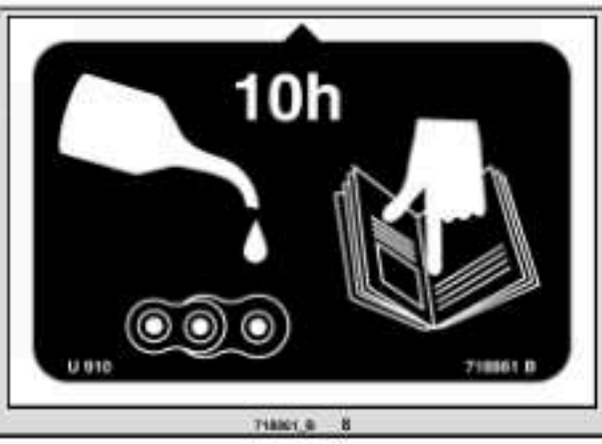
Location:
Located on the top surface of the left-hand side of the baler tongue/hitch parallel to the twine wrapper tubes position and twine cut indicator arrow mechanism.

Description:

Attention - 10 Hour Oil Roller Chain

Quantity: 2

Part #:
718861 B



Location:
Located behind both the left-hand and right-hand door shields; on the left-hand side baler frame member behind the floor roll drive chain, and on the right-hand side at the sledge roll drive chain.

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