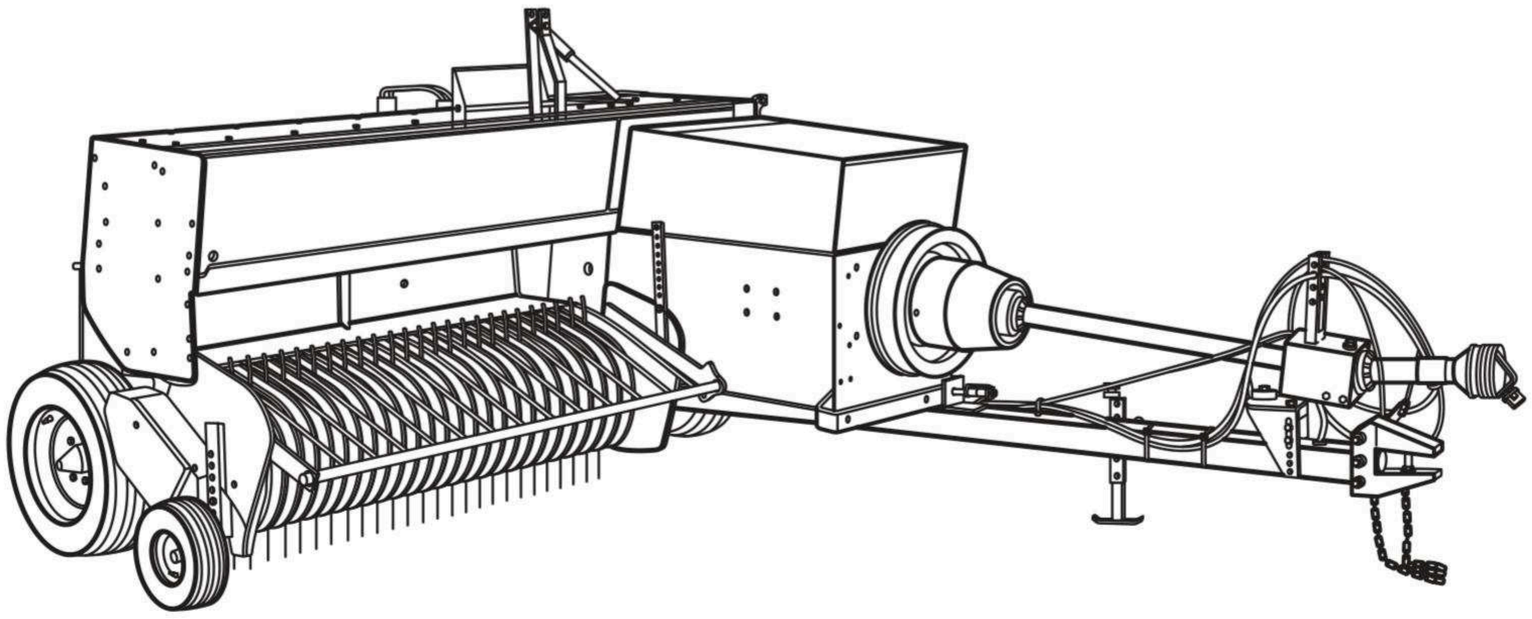
OPERATOR'S MANUAL

BC5050

Square Baler



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5 - WORKING OPERATIONS

LUBRICATION SYSTEM Oiling

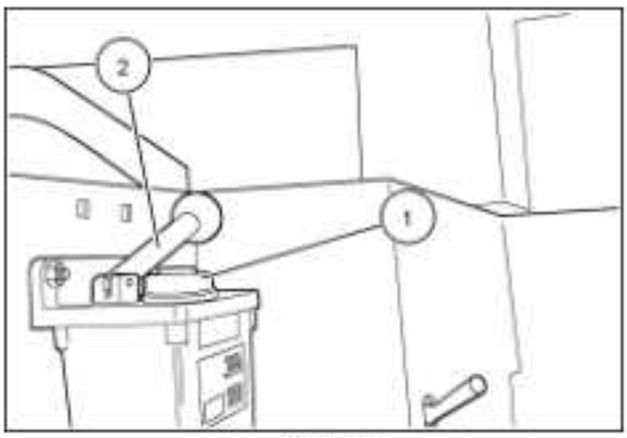
Twine tie baler manual oiler (if equipped)

Operation/filling of pump resovoir

NOTE: *This procedure should be initiated at the beginning of each baling operation and repeated in the middle and end of the anticipated period of (baling) time.*

1. Remove the pump reservoir fill cap **(1)**.
2. Fill the reservoir with **NEW HOLLAND AMBRA HYPOIDE 90**.
3. Install the fill cap **(1)**.
4. Pump the lever **(2)** slowly. Allow time for the internal piston

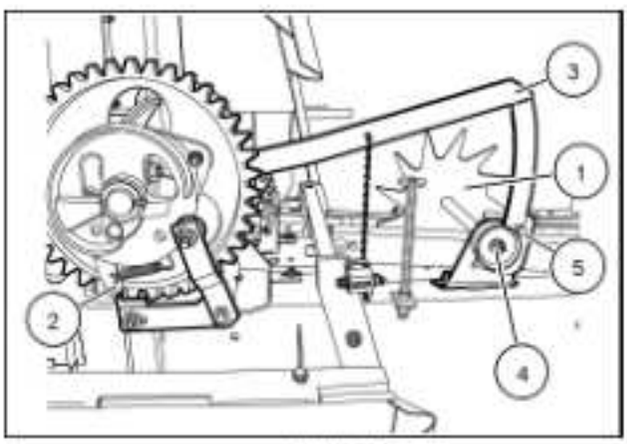
   NOTE: *Due to the gear oil viscosity, the piston resets slowly.*
5. Continue to pump lever **(2)** slowly until oil appears at the knotter lubrication points and other attached oiler system components.
6. Ensure all lubrication points are receiving oil.



WRAPPING AND TYING

Tripping the knotter

- With no material in the bale chamber, rotate the metering wheel **(1)** to move the trip arm up and release the clutch pawl **(2)**.
- With material in the chamber, grab the trip arm **(3)** and pull it to the rear to clear the drive disc **(4)**.
- Lift the arm up and then move forward until the clutch pawl **(2)** releases.
- The pin **(5)** on the trip arm will keep the drive disc from contacting the hook part of the trip arm.



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Lubrication schedule

The following fittings should be lubricated using **NEW HOLLAND AMBRA GR-9 MULTI-PURPOSE GREASE**. The grease is available from your dealer.

NOTICE: *Grease point* ***(3)****, the overrunning clutch shaft, requires lubrication with* ***NEW HOLLAND AMBRA HI-TEMP EP GREASE****.*

From the table below, reference the related grease point items in "Grease points", page **6-19**.

Grease point item	Lubrication fittings and grease points	Maximum hourly interval		
		10	50	100
1.	Telescoping PTO shaft (2 fittings)	X		
2.	PTO U-joints (3 fittings)	X		
3.	Overrunning clutch shaft (no fitting)			X
4.	Plunger connecting rod bearing (1 fitting)	X		
5.	Flywheel (1 fitting)	X		
6.	Flywheel shaft (1 fitting)		X	
7.	Needle protection latch pivot (1 fitting)	X		
8.	Pickup drive belt idler pivot (1 fitting)	X		
9.	Needle latch linkage pivot (1 fitting)	X		
10.	Needle yoke pivots (2 fittings)	X		
11.	Knotter trip shaft pivot (1 fitting)	X		
12.	Knotter clutch gear (1 fitting)	X		
13.	Left-hand knotter shaft supports (2 fittings)	X		
14. through 27.	Knotter assembly (7 fittings per frame)	X		
28.	Right-hand knotter shaft support (1 fitting)	X		
29.	Upper needle yoke rod pivot (1 fitting)	X		
30.	Right-hand and left-hand bale tension cranks (2 fittings)	X		
31.	Right-hand needle yoke pivot (1 fitting)	X		
32.	Lower needle yoke rod pivot (1 fitting)	X		
33.	Pickup wheel (1 fitting)	X		
34.	Jack (1 fitting)			X
35.	PTO pedestal power pivot (no fitting)			X

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8 - SPECIFICATIONS

General specification

GENERAL	
Overall width	**2745 mm (108 in)**
Overall height (PTO)	**1463 mm (57.6 in)**
Overall length (bale chute not included)	**5036 mm (198.3 in)**
Weight — twine	**1400 kg (3085 lb)**
Wheel tread	**2731 mm (107.5 in)**
Wheel bearings	Tapered roller
Maximum road speed	**32 km/h (20 mph)**
Tractor requirement	**26 kW (35 Hp)**
PTO	
Type	Category IV 3-joint ASAE standard
Protection	Slip clutch plus overrunning clutch
TIRES	
Right-hand	25 x 7.50 - 15 6-ply - **207 kPa (30 psi)**
Left-hand	27 x 9.50 - 15 6-ply - **207 kPa (30 psi)**
Pickup	3.00 x 12 semi-pneumatic
PICKUP	
Width (including flare)	**1788 mm (70.4 in)**
Pickup drive	V-belt to roller chain
Protection	V-belt slippage
Number of tine bars	4
Tine bar bearings	Sealed ball – (Right-hand side) Bushing – (Left-hand side)
Number of tines	44
Windguard	8 fingers
Tine spacing	**67 mm (2.64 in)**
FEEDING SYSTEM	
Type	Flow-Action®
Drive	Chain
Protection	Shear-bolt
Tines	Four aluminum and two steel tilting
Feed opening	**1826 cm² (283 in²)**
Bearings	Sealed ball
BALE CHAMBER	
Size	**356 mm (14 in)** x **457 mm (18 in)**
Bale length	**305 - 1321 mm (12 - 52 in)**
KNOTTER	
Protection	Shear-bolt
Tying	Plastic or natural fiber twine

PLUNGER	
Speed	79 strokes/minute @ **540 RPM**
Stroke	**762 mm (30 in)**
Needle protection latch	Contacts crank arm
Rollers	5 sealed ball bearings - 2 adjustable and 2 slide blocks

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