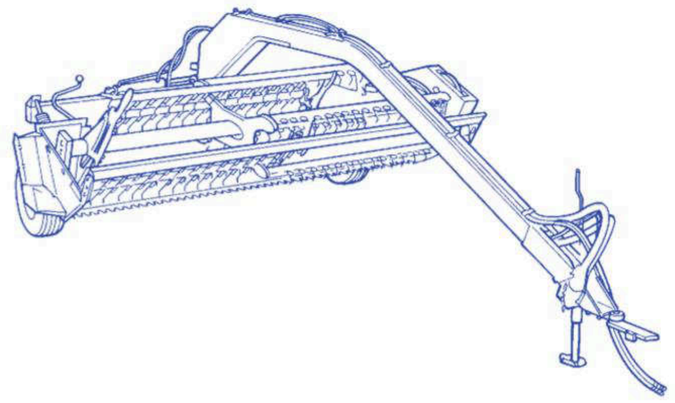
NEW HOLLAND

499

(Replaces All Previous Issues)

OPERATOR'S MANUAL



87378895 4/06

NEW HOLLAND

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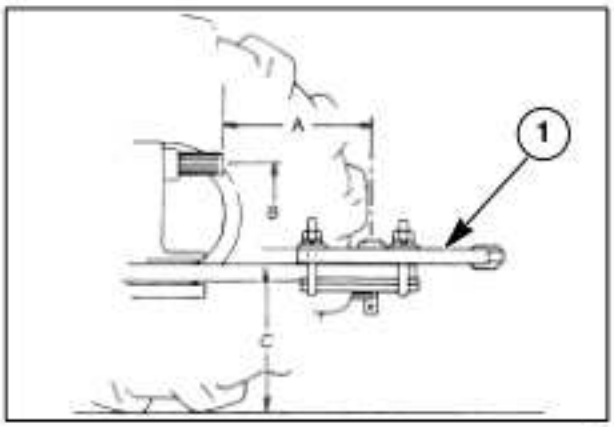
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TRACTOR DRAWBAR DIMENSIONS

The 499 requires that the drawbar be adjusted to provide a distance of 559 mm - 609 mm (22" - 24") from the end of the tractor PTO shaft to the center of the hitch point on the tongue. The same distance is necessary whether using a 540 RPM PTO or 1000 RPM PTO. This dimension may be obtained in two ways:

Option 1

Adjust the tractor drawbar to a distance of 350 mm (14") - 540 RPM PTO or 406 mm (16") - 1000 RPM PTO, dimension A, from the end of the tractor PTO shaft to the center of the drawbar hole, and install the drawbar extension, 1, that is provided with the 499. The drawbar extension increases drawbar length by 8" (203 mm) to provide the 559 mm - 609 mm (22" - 24") length required.

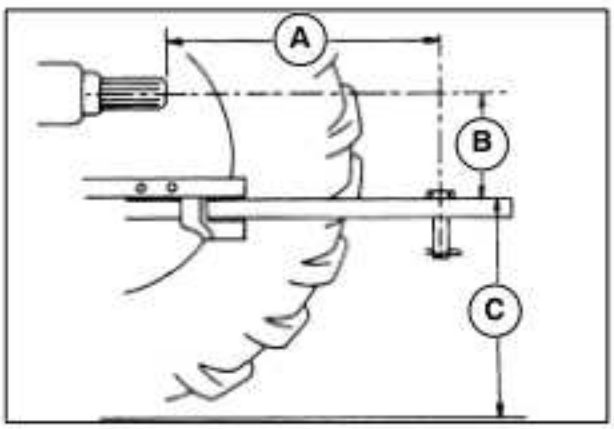


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Option 2

Some newer tractors may be equipped with drawbars that can be adjusted to a distance of 508 mm - 609 mm (20" - 24"), dimension A, from the end of the tractor PTO shaft to the center of the drawbar hole. In this case, the 499 tongue may be connected directly to the tractor drawbar.

NOTE: *Using a tractor with an incorrect PTO-to-hitch dimension can damage the gearbox, pump, hoses and/or the tractor PTO drive line.*



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Ideally the top of the tractor drawbar should be 203 mm–305 mm (8"-12"), dimension B, Figure 6 or Figure 7, below the tractor PTO shaft. Locate the drawbar directly below the PTO shaft. Clamp the drawbar so it cannot be moved from side to side.

The drawbar height above the ground, dimension C, Figure 6 or Figure 7, should be 330 mm - 508 mm (13" - 20") for tractors up to 125 HP, and 381 mm - 559 mm (15" - 22") for tractors from 125 HP to 160 HP.

IMPORTANT: *If the tractor has a 3-point hitch, raise the lower links as high as possible to prevent pump, hose, or tongue damage when turning, or remove the lower links to avoid damage.*

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SECTION 2
OPERATION

CHECK BEFORE OPERATING

⚠ WARNING ⚠

Never adjust the pivot tongue mower-conditioner with the PTO engaged. Disengage the PTO, shut off the tractor engine and remove the key. Failure to comply could result in death or serious injury.

Before starting to use your new Model 499 mower-conditioner, be sure to do the following items:

Read this manual carefully!

Check the sheaves and sprockets to be sure they are properly aligned. The belts and chains must not rub on the shields or guides when running.

IMPORTANT: *Be sure to check the tension of belts and chains after the first two hours of use and readjust as necessary from then on.*

Check tire pressures, 193 kPa (28 PSI).

Check the wheel bolts after the first five hours of use. Torque the wheel bolts to 156 N·m (115 ft. lbs). Recheck wheel bolt torque every 50 hours of operation after this.

Lubricate the machine. Oil the reel drive chain. Use this manual as a guide to be sure that no grease fittings have been missed. Be sure the tongue reservoir and gearboxes are filled to the correct level.

Run the machine at rated PTO speed (540 or 1000 RPM). Overspeed causes excessive wear, vibration, and breakdowns. Underspeed may cause plugging at the header or conditioner. Your New Holland dealer can use a hand tachometer to check tractor PTO speed. The tractor throttle should be set correctly to maintain correct RPM at the PTO shaft.

Operate the machine slowly for 15 minutes to be sure that all parts work freely. Then check for overheated bearings and knife sections. Slight warming is normal. If a bearing or knife section feels hot and shows signs of paint burning or discoloration, check with your New Holland dealer.

Any problems should be corrected before cutting starts.

Refer to "Field Adjustments" in this section of this manual for information on adjustments that may improve the performance of your mower-conditioner in various crops or field conditions.

⚠ CAUTION ⚠

The tongue may be hot after operating. Do not touch the tongue!

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LUBRICATION SCHEDULE

	EVERY 10 HOURS	AFTER FIRST 50 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY 400 HOURS
Oil reel drive chain	X				
Reel shaft bearing rods (2 fittings)	X				
Sickle drive connecting rods (2 fittings each side)	X				
Reel intermediate drive shaft	X				
Lower header arm pivots (2 fittings)	X				
Wheel arm pivots (2 fittings)	X				
Left upper roll drive shaft (3 fittings)	X				
Right sickle drive shaft (3 fittings)	X				
Sickle drive sheave hub (1 fitting)	X				
Grease the tractor PTO shaft and pump splines			X		
Jack (1 fitting)			X		
Roll pressure trunnion (1 fitting)			X		
Tongue pivot (1 fitting)			X		
Oil the tongue latch pin			X		
Hex shaft bearing (1 fitting)			X		
Check hydrostatic oil level (20 gal. capacity)			X		
Check header drive gearbox oil level				X	
Lower roll drive shaft (1 fitting)				X	
Check sickle gearbox oil level (2)				X	
Check wheel bearings					X
Replace hydrostatic oil filter		X			X

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Part #87041060

WARNING: Properly prepare machine for transport. Use caution when towing unit. Failure to comply could result in death or serious injury.

8



Part #87041061

Warning: Shielding must be in place when PTO is engaged. Failure to comply could result in death or serous

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Part #86547782

Reflective Tape, Yellow

10



Part #86547781

Reflective Tape, Red

11



Part #86547783

Reflective Tape, Orange

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