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MANUAL PREVIEW

Badger

Operator's Manual

BN1000 & BN1005

Mower Conditioner

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BAD-O-BN1000+

Operator's Manual

INDEX

ACCESSORIES.....	48	SAFETY PRECAUTIONS.....	4-8
ASSEMBLY.....	10	SERVICING.....	36
CROP DIVIDERS.....	13	CARE OF BELTS.....	46
PREDELIVERY INSPECTION.....	13	BELLCRANK BEARING REPLACEMENT.....	42
TONGUE.....	12	CUTTER BAR.....	36
FIELD OPERATING ADJUSTMENTS.....	18	Knife Clips.....	39
CUTTING HEIGHT.....	19	Knife Guard Alignment.....	39
HEADER FLOATATION SPRINGS.....	18	Knife Guard Replacement.....	40
MAIN DRIVE BELT.....	25	Knife Register.....	36
REEL.....	21	Knife Replacement.....	37
Reel Position & Belt Adjustment.....	21	Knife Sharpening.....	39
Reel Speed.....	22	Replacing Knife Sections.....	41
Reel Tine Pitch.....	23	KNIFE HEAD BUSHING REPLACEMENT.....	41
ROLL SPACING.....	23	MAIN DRIVE BELT REPLACEMENT.....	44
ROLL TENSION.....	24	REEL DRIVE BELT REPLACEMENT.....	44
SWATH GATE.....	24	REEL TINE REPLACEMENT.....	45
TIP BAR.....	20	Straightening Tines.....	45
INSPECTION CHECK LIST.....	Inside Back Cover	SPECIFICATIONS.....	49
INTRODUCTION.....	9	STORAGE.....	35
LUBRICATION.....	29	TORQUE TABLE.....	32
GEARBOX.....	31	TROUBLE-SHOOTING.....	26
GENERAL INFORMATION.....	29		
STORING LUBRICANTS.....	29		
WHEEL BEARINGS.....	31		
MAINTENANCE.....	31		
BELTS.....	31		
TIRES.....	31		
SEALED BEARINGS.....	33		
Dismantling.....	34		
Installation.....	34		
Periodic Checks.....	34		
OPERATION.....	14		
ATTACHING MOWER CONDITIONER TO TRACTOR.....	15		
HYDRAULIC CYLINDER.....	14		
OPENING FIELD.....	17		
Corners.....	17		
TONGUE POSITIONS.....	16		
TRACTOR DRAWBAR/PTO SHAFT REQUIREMENTS.....	14		
SWATH FORMERS.....	24		
TRACTOR GROUND SPEED.....	17		
TRACTOR HORSEPOWER.....	14		
TRACTOR WHEEL WIDTHS.....	14		
UNPLUGGING ROLLS.....	18		

INTRODUCTION

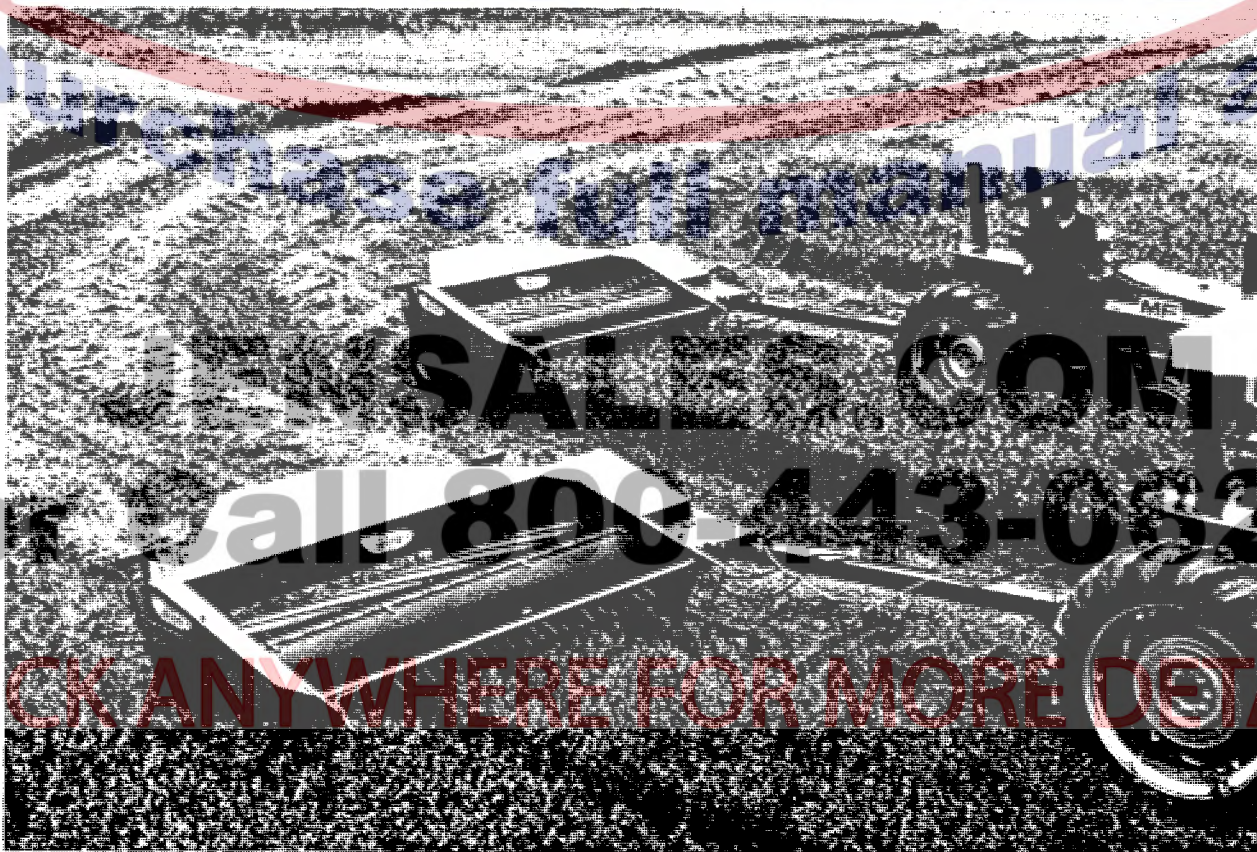
The information in this Manual describes Operation, Maintenance and Servicing of BN1000/BN1005 Mower Conditioners to help you keep "on-the-go". The money invested will be better spent if you take the time to READ this Manual and get to KNOW it. Every piece of machinery works better and becomes more efficient when you are familiar with it.

DO NOT neglect the maintenance that is recommended.

A machine which is properly maintained pays a bigger dividend than one which is neglected. The maintenance and servicing described in this Manual can all be done with tools ordinarily available.

These Mower Conditioners have been engineered and tested under all kinds of conditions to produce a superior machine. It has been kept as simple as possible in design and operation. This Manual will help you, the operator, get the most out of your Mower Conditioner.

Reference to left-hand and right-hand used throughout Manual refers to position when standing at rear of Mower Conditioner facing forward.



BN1005 (9 foot) and BN1000 (7 foot) Mower Conditioner



Fig. 2 - Tongue

Clean paint off Gearbox Shaft and PTO Drive Line Yoke. Remove telescoping PTO.

Tap or pull PTO Drive Shaft out of bearing in Bearing Housing.

Remove Bolts securing Guard and PTO Bearing Support Housing.

Remove PTO Drive Shaft from Tongue.

Slide PTO Yoke onto Gearbox Shaft until end of Yoke is $\frac{1}{2}$ " to $\frac{3}{4}$ " away from Gearbox Seal.

IMPORTANT: Do not slide Joint Yoke into Gearbox Seal.

NOTE: For units to be operated at 1000 RPM, see "Gearbox Conversion 540 RPM to 1000 RPM" (page 45).

Slide Tongue into position over Shaft and secure with Pivot Pins (No. 1, Figure 3) and $\frac{3}{8}$ " x 1" Hex Head Bolts, Lockwashers and Flatwashers (No. 2).



Fig. 3 - Pivot Pin (Top)

1. Pivot Pin
2. Bolts

Reinstall Bearing Support Bolts and Guard.

Reinstall telescoping PTO.

Remove Lifting Chains, steel banding holding shipping stand to Mower Conditioner and slide stand out of way.



Fig. 4 Pivot Pin (Bottom)

1. Pivot Pin
2. Bolts

Install left-hand Crop Divider (No. 1, Figure 5) to Header (No. 3) with $\frac{5}{16}$ " x $\frac{3}{4}$ " Round Head Bolts, Lockwashers, and Nuts (No. 2) $\frac{5}{16}$ " x $\frac{7}{8}$ " Round Head Bolts, Lockwashers, and Nuts (No. 4).



Fig. 5 - Crop Divider (Left)

1. Crop Divider (Left)
2. Top Mounting Bolts
3. Header
4. Lower Mounting Bolts

OPERATION

IMPORTANT: Always engage PTO slowly to prevent shock damage to Mower Conditioner and tractor drive components.

TRACTOR HORSEPOWER

Tractor must produce 35 PTO horsepower or greater and, conforming to ASAE PTO and hitch dimensions for operation, at 540 or 1000 PTO rpm.



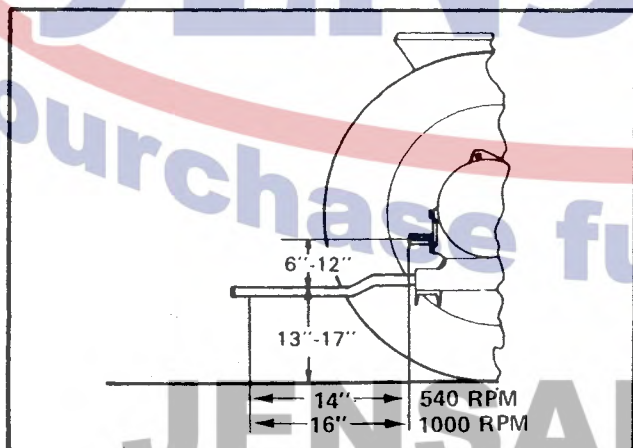
CAUTION: Do not operate 540 rpm Mower Conditioner with a 1000 rpm tractor.

TRACTOR WHEEL WIDTH

Mower Conditioner hitch design allows 80" overall tractor wheel width when operating with BN1000 and 88" with BN1005, without hitting standing crop.

TRACTOR DRAWBAR/PTO SHAFT REQUIREMENTS

Tractor must be equipped with Drawbar and PTO Shaft that conforms to ASAE standards.



Drawbar — PTO Measurement

x=16" for 1000 rpm; 14" for 540 rpm

1. Center of Drawbar Hitch Point to end of PTO Shaft—14" (540 rpm) or 16" (1000 rpm).

2. Center of PTO Shaft to top of Drawbar—6 to 12 inches.

3. Top of Drawbar at Hitch Point to ground—13 to 17 inches.

NOTE: If using older tractors it may be necessary to add a PTO Shaft Extension and Guard to tractor PTO Shaft. This Extension is available as an accessory through your Tractor Dealer. Drawbar

will have to be modified to maintain (14" or 16") Drawbar/PTO measurement.

HYDRAULIC CYLINDER

ACCESSORY CODE — 903417

If Hydraulic Cylinder and Hoses were not installed previously, proceed to do so at this time.

Attach barrel end of ASAE standard 2½" or 3" bore, 8" stroke double-acting Hydraulic Cylinder (No. 1, Figure 7) (not supplied with Mower Conditioner) to Anchor Plate (No. 2) and rod end to Cylinder Straps (No. 4) on Left Tube Assembly (No. 5).

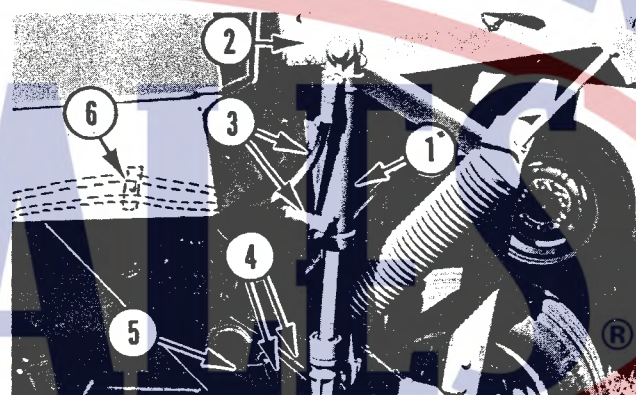


Fig. 7 - Hydraulic Cylinder

1. Hydraulic Cylinder 2. Anchor Plate 3. Hydraulic Hoses
4. Cylinder Straps 5. Tube 6. Hose Clamps

Install Hydraulic Hoses, BN1000 — 194" Accessory Code 31740, BN1005 — 210" Accessory Code 31741, (No. 3, Figure 7) to Cylinder, run under tool box area and secure with Clamp (No. 6).



Fig. 8 - Hydraulic Hoses

1. Hose Holder 2. Hoses 3. Clamps
4. Hose Guide 5. Rope

Secure Hoses (No. 2, Figure 8) with Clamps (No. 3) and store in Hose Holder (No. 1). Run rope (No. 5) through Guide (No. 4) and Hose Holder.