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MANUAL PREVIEW

MacDon

Operator's Manual

4000

Mower

Conditioner

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MAC-O-4000 MC

Operator's Manual

INTRODUCTION

Your new Mower Conditioner is designed to cut, condition and lay in windrows, a wide variety of grasses and hay crops.

Use this manual as your first source of information about the machine. If you follow the instructions given in this manual, your Mower Conditioner will work well for many years.

The manual contains instructions for "Safety", "Operation", and "Maintenance/Service". In addition "Unloading and Assembly" information is given towards the back of this book.

CAREFULLY READ ALL THE MATERIAL PROVIDED BEFORE ATTEMPTING TO UNLOAD, ASSEMBLE, OR USE THE MACHINE.

Use the Table of Contents and the Index to guide you to specific areas. Study the Table of Contents to familiarize yourself with how the material is organized.

Keep this manual handy for frequent reference and to pass on to new operators or owners. Call your Dealer if you need assistance, information, or additional copies of the manual.

NOTE: Right hand (R/H) and left hand (L/H) designations are determined from the operator's position, facing forward.



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SPECIFICATIONS

DIMENSIONS

Overall Width:

Transport Position

147.5 in. (3750 mm)

Field Position

167.0 in. (4243 mm)

Overall Length:

Transport Position

159.8 in. (4059 mm)

Field Position

166.8 in. (4238 mm)

Overall Height:

Transport Position

59.5 in. (1510 mm)

Field Position

42.6 in. (1083 mm)

Weight

3318 lbs. (1505 kg)

CUTTERBAR

Cutterbar Width

111 in. (2819 mm)

Cutting Height (on skids) at 9° guard angle

1 to 4 in. (25 to 100 mm)

Guard Angle (adjustable)

6° to 12° below horizontal

HEADER

Header Flotation

-2.5 to +6.7 in. (-64 to +170 mm)

Maximum Header Lift

21.5 in. (545 mm) to guard tip

KNIFE

Drive Type

Belt driven wobble box (enclosed oil bath)

Speed

1620 strokes or 810 cycles per minute

Stroke

3 in. (76 mm)

Sections

Over-serrated, low shoulder

REEL

Drive Type

Belt primary to chain final

Reel Type

5 bats (4 or 6 bats optional), replaceable steel pick-up tines, cam action, polymer tine tube bearings

Diameter

42.5 in. (1080 mm)

Tine Tip (Peripheral) Speed

6.6, 7.0, 7.5 or 7.9 mph (10.6, 11.3, 12.0 or 12.7 km/h)

Rotational Speed

53, 56, 60 or 63 rpm

Length

104.3 in. (2650 mm)

TORQUE SPECIFICATIONS

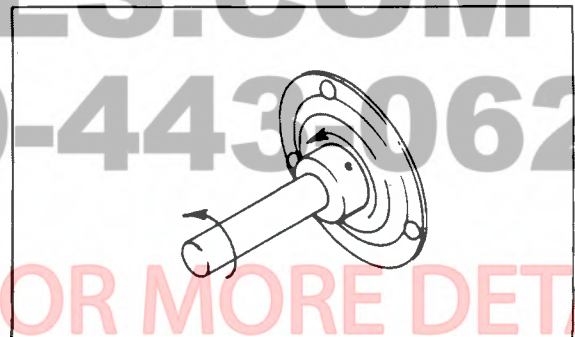
TIGHTENING O-RING FITTINGS *

1. Inspect O-ring and seat for dirt or obvious defects.
 2. On angle fittings, back the lock nut off until washer bottoms out at top of groove.
 3. Hand tighten fitting until back-up washer or washer face (if straight fitting) bottoms on face and O-ring is seated.
 4. Position angle fittings by unscrewing no more than one turn.
 5. Tighten straight fittings to torque shown.
 6. Tighten angle fittings to torque shown while holding body of fitting with a wrench.
- * The torque values shown are based on lubricated connections as in reassembly.

Thread Size (in.)	Nut Size Across Flats (in.)	Torque Value* (N.m) (lb-ft)		Recommended Turn to Tighten (After Finger Tightening) (Flats) (Turns)	
3/8	1/2	8	6	2	1/3
7/16	9/16	12	9	2	1/3
1/2	5/8	16	12	2	1/3
9/16	11/16	24	18	2	1/3
3/4	7/8	46	34	2	1/3
7/8	1	62	46	1-1/2	1/4
1-1/6	1-1/4	102	75	1	1/6
1-3/16	1-3/8	122	90	1	1/6
1-5/16	1-1/2	142	105	3/4	1/8
1-5/8	1-7/8	190	140	3/4	1/8
1-7/8	2-1/8	217	160	1/2	1/12

SEALED BEARING INSTALLATION

1. Clean shaft and coat with rust preventative.
2. Install flange, bearing, flange and lock collar. The locking cam is only on one side of the bearing.
3. Install (but do not tighten) the flange bolts.
4. When the shaft is located correctly, lock the lock collar with a punch. The collar should be locked in the same direction the shaft rotates. Tighten the set screw in the collar.
5. Tighten the flange bolts.
6. Loosen the flange bolts on the mating bearing one turn and re-tighten. This will allow the bearing to line up.



TIGHTEN COLLAR IN DIRECTION
SHAFT ROTATES