

VETTER

YETTER MANUFACTURING CO.

Founded 1930

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FOREWORD

You've just joined an exclusive but rapidly growing club.

For our part, we want to welcome you to the group and thank you for buying a Yetter product.

We hope your new Yetter products will help you achieve both goals-increase your productivity and increase your efficiency so that you may generate more profit.

This operator's manual has been designed into 4 major sections: Foreword, Safety Precautions, Installation Instructions and Parts Breakdown.

This **SAFETY ALERT SYMBOL** indicates important safety messages in the manual. When you see this symbol, be alert to the possibility of **PERSONAL INJURY** & carefully read the message that follows.

The word **NOTE** is used to convey information that is out of context with the manual text. It contains special information such as specifications, techniques and reference information of a supplementary nature.

The word **IMPORTANT** is used in the text when immediate damage will occur to the machine due to improper technique or operation. Important will apply to the same information as specified by note only of an immediate and urgent nature.

It is the responsibility of the user to read the operator's manual and comply with the safe and correct operating procedure and to lubricate and maintain the product according to the maintenance schedule in the operator's manual.

The user is responsible for inspecting his machine and for having parts repaired or replaced when continued use of the product would cause damage or excessive wear to the other parts.

It is the user's responsibility to deliver his machine to the Yetter dealer who sold him the product for service or replacement of defective parts, which are covered by the warranty policy.

If you are unable to understand or follow the instructions provided in this publication, consult your local Yetter dealer or contact:

YETTER MANUFACTURING CO.

309/776-4111 800/447-5777 200/776-2222 (EAX)

WARRANTY

Yetter Manufacturing warrants all products manufactured and sold by it against defects in material. This warranty being expressly limited to replacement at the factory of such parts or products as shall appear to be defective after inspection. This warranty does not obligate the Company to bear cost of labor in replacement of parts. It is the policy of the Company to make improvements without incurring obligations to add them to any unit already sold. No warranty is made or authorized to be made, other than herein set forth. This warranty is in effect for one year after purchase.

DEALER: _____

Yetter Manufacturing warrants its own products only and cannot be responsible for damages to equipment on which mounted.

BE ALERT! YOUR SAFETY IS INVOLVED



It is your responsibility as an owner, operator, or supervision to know and instruct everyone using this machine at the time of initial assignment and at least annually thereafter, of the proper operation, precautions, and work hazards which exist in the operation of the machine in accordance with OSHA regulations.

Safety Is No Accident

The following safety instructions, combined with common sense, will save your equipment from needless damage and the operator from unnecessary exposure to personal hazard. Pay special attention to the caution notes in the text. Review this manual at least once a year with all operators.



- 1. Read and understand the operator's manual before operating this machine. Failure to do so is considered a misuse of the equipment.
- 2. Make sure equipment is secure before operating.
- 3. Always keep children away from equipment when operating.
- 4. Make sure everyone that is not directly involved with the operation is out of the work area before beginning operation.
- 5. Make sure all safety devices, shields, and guards are in place and functional before beginning operation
- 6. Shut off all power to adjust, service, or clean.
- 7. Keep hands, feet, and clothing away from moving parts. It is a good idea to remove all jewelry before operating.
- 8. Inspect the machine periodically during operation for signs of excessive wear, loose fasteners, and unusual noises.

PLEASE READ, VERY IMPORTANT



SECURE CORN HEADER AGAINST UNWANTED LOWERING BY APPLYING THE LOCKING MECHANISM ON THE HYDRAULIC CYLINDERS!



- 1. Attach head to combine, lock head to combine
- 2. Raise the head off the ground and engage safety stop on the feeder house cylinder.
- 3. Turn off combine engine and remove the key

FOLLOW ALL INSTRUCTIONS GIVEN BY THE COMBINE MANUFACTURER

PLEASE READ, VERY IMPORTANT



Subject to the size and weight of the corn header, one or two additional hydraulic cylinders may be required.

The combine manufacturer generally keeps corresponding kits readily available for dealers.

Subject to the design of the corn header and the carrying capacity of different combines, the steering axle may require the fitting of additional weights and the rear tires be filled with ballast.

FOLLOW ALL INSTRUCTIONS GIVEN BY THE COMBINE MANUFACTURER

DEVASTATOR OPERATION CHECKLIST

Please f DATE/	ill this out after the Ye YETTER KIT # - 5000	etter Stalk Devastator ha	as been installed. AKE/MODEL	
COMBINE MAKE/MODEL	FROM	NT TIRE SIZE	_ REAR TIRE SIZE	
REAR AXLE POSITION	SNAPPING	ROLLS USING	CHOPPING BLADES YES	/ NO
DECK PLATE ANGLE	' (USE ANGLE FINDER)	SNAPPING ROLL HEIGHT	(OPERATING POSITION) INC	HES
HARVEST SPEEDMP	H HEAD SPEAD	ANGLE TORSION AR	M (OPERATING POSITION - USE	
HEAD CART INFO:				
MAKE/MODEL	LENGTH	TIRE SIZE		

SEE PAGE 12 & 13 FOR HEAD & TRAILER ADJUSTMENTS

BOLT TORQUE

Important: Over-tightening hardware can cause just as much damage as under-tightening. Tightening hardware beyond the recommended range can reduce its shock load capacity.

All hardware on the 5000 Devastator is either Grade 5 or Grade 8, unless otherwise noted. Grade 5 cap screws are marked with three radial lines on the head. Grade 8 cap screws are marked with six radial lines on the head. If hardware must be replaced, be sure to replace it with hardware of equal size, strength and thread type. Refer to torque values chart when tightening hardware.

The chart below is a guide for proper torque. Use it unless a specified torque is called out elsewhere in the manual. Torque is the force applied to the end of the handle or cheater bar, times the length of the handle or bar.

Use a torque wrench wherever possible

The following table shows torque in ft.-lbs. for coarse thread hardware.

	1		1
Bolt Diameter and Threads per Inch	Grade 2	$ \begin{array}{c} \hline \\ Grade 5 \end{array} \begin{array}{c} \\ \\ \\ $	Grade 8
1/4	6	10	14
5/16	12	20	30
3/8 –16	25	35	50
7/16 – 14	35	55	80
1/2 – 13	55	85	125
9/16 – 12	75	125	175
5/8 – 11	105	170	235
3/4-10	185	305	425
7/8 – 9	170	445	690
1-8	260	670	1030
1 1/8 – 7	365	900	1460
1 1/4 - 7	515	1275	2060
1 3/8 –6	675	1675	2700
1 1/2 - 6	900	2150	3500
1 3/4 – 5	1410	3500	5600

6

BILL OF MATERIALS PER KIT

5000-050B – 6R30 Drago GT – 2) 5000-160A Roller Bearing Bolt Bag, 4) 5000-169 Torsion Pivot Assembly, 4) 5000-170 Torsion Mount Bolt Bag, 1) 5000-172 Manual Bag, 2) 5000-272 3R30 Roller, 2) 5000-275A 4R20/3R30 Roller Mount, 2) 5000-277 Torsion Mount, 1) 5000-278 Drago GT Center Pivot, 4) 5000-292 Torsion Arm, 1) 5000-440 Center Backing Plate, 1) 5000-441 Short/Double Backing Plate

5000-051B – 8R30 Drago GT – 3) 5000-160A Roller Bearing Bolt Bag, 6) 5000-169 Torsion Pivot Assembly, 6) 5000-170 Torsion Mount Bolt Bag, 1) 5000-172 Manual Bag, 1) 5000-268 2R30 Roller, 1) 5000-269A 2R30 Roller Mount, 2) 5000-272 3R30 Roller, 2) 5000-275A 4R20/3R30 Roller Mount, 4) 5000-277 Torsion Mount, 1) 5000-278 Drago GT Center Pivot, 6) 5000-292 Torsion Arm, 1) 5000-440 Center Backing Plate, 1) 5000-441 Short/Double Backing Plate

5000-052B – 12R30 Drago GT – 4) 5000-160A Roller Bearing Bolt Bag, 8) 5000-169 Torsion Pivot Assembly, 8) 5000-170 Torsion Mount Bolt Bag, 1) 5000-172 Manual Bag, 4) 5000-272 3R30 Roller, 4) 5000-275A 4R20/3R30 Roller Mount, 6) 5000-277 Torsion Mount, 1) 5000-278 Drago GT Center Pivot, 8) 5000-292 Torsion Arm, 1) 5000-440 Center Backing Plate, 1) 5000-441 Short/Double Backing Plate

5000-053A – 16R30 Drago GT – 6) 5000-160A Roller Bearing Bolt Bag, 12) 5000-169 Torsion Pivot Assembly, 12) 5000-170 Torsion Mount Bolt Bag, 1) 5000-172 Manual Bag, 2) 5000-268 2R30 Roller, 2) 5000-269A 2R30 Roller Mount, 4) 5000-272 3R30 Roller, 4) 5000-275A 4R20/3R30 Roller Mount, 8) 5000-277 Torsion Mount 9.25", 1) 5000-278 Drago GT Center Pivot, 12) 5000-292 Torsion Arm, 2) 5000-298 Torsion Mount 16.375", 1) 5000-440 Center Backing Plate, 1) 5000-441 Short/Double Backing Plate

Before beginning your installation, go through your kit to verify that you have the correct parts and quantities. Use the Pictorial Index below & Part ID section at the end of the manual as a visual of what the parts look like.

INSTALLATION TOOLS REQUIRED: Electric or Pneumatic Impact, Torque wrench, 1 1/8 socket & wrench, 13/6 1-1/4 15/16 socket & wrench, ¾ Socket & 9/16 socket PICTORIAL INDEX OF PARTS 5000-272 5000-268 5000-269A 5000-169 5000-275A 5000-277 3R30 Roller 2R30 Roller **Torsion Pivot** 2R30 Roller Mount 4R20/3R30 Roller Mount **Torsion Mount** 2502-353 5000-298 5000-278 5000-292 5000-355 5000-322 ½ - 13 X 2 ½ Torsion Mount W.A. Drago GT Center Pivot **Torsion Arm Bearing Assembly** GR 8 Bolt Shim Washer 5000-438 2502-353 5000-439 5000-440 2520-357 5000-441 5000-468 ½ - 13 X 2 2502-430 Backing Short Backing Center Short/Double 1/2 - 13 Lock 5000-469 Plate GR 8 Bolt Spacer Plate **Backing Plate** Mount Plate Security Cap ¾ - 10 X 8 GR 8 Bolt Hex Nut

2505-262

3/8 - 16 X 1 ½

Car. Bolt GR 5

7

2520-258

3/8 Hex Flg

Lock Nut

2520-459

5/8 Lock Hex Nut

2520-604

¾ Lock Hex Nut

2570-568

1/2 X 2 1/2 X 3 1/2 U-Bolt





ASSEMBLY INSTRUCTIONS

Step 1: Attach each 5000-169 torsion pivot to each torsion mount & center pivot using 5/8" X 2" bolts & 5/8 lock hex nuts.



Step 2: Install the 5000-277 & 5000-298 (16 row only) Torsion Mount & the 5000-5000-278 Center Pivot. The Torsion Mounts will each use 2) 5000-438 Backing Plates & 2) 5000-439 Short Backing Plates. The Center Pivot will use 2) Backing Plates & 2) Short Backing Plates on the outer edges & 1) 5000-440 Center Backing Plate & 1) 5000-441 Short/Double Backing Plate on the center of the mount. Fasten the Torsion Mount & Center Pivot assemblies to the Backing Plates using 3/8 X 1 ½" carriage bolts & 3/8 hex flange lock nuts.

6 Row Head – 5000-277 under row 2 & row 5, center pivot under rows 3 & 4. (model provided below)

8 Row Head – 5000-277 between rows 1 & 2 and 7 & 8, under rows 3 & 6, center pivot under rows 4 & 5.

12 Row Head – 5000-277 under rows 1, 2, 5, 8, 11, & 12, center pivot under rows 6 & 7.

16 Row Head – 5000-277 under rows 1, 4, 6, 7, 10, 11, 13, & 16, 5000-298 under rows 2 & 15, center pivot under rows 8 & 9.



NOTE: Removing the original resting pads may be required.

ASSEMBLY INSTRUCTIONS

Step 3: Attach 5000-292 torsion arm to each torsion pivot assembly. Place 1) 5000-469 security cap over 2502-322 ³/₄ X 8 bolt, slide bolt with cap through the torsion arm and torsion pivot, slide the 5000-468 spacer over bolt followed by another security cap, and then fasten the 2520-604 ³/₄ top lock nut. Install the torsion arm on the side of the torsion pivot assembly that is further away from the center of the row if possible.



Step 4: Install roller mount, 5000-269 2R30 (8 & 16 ROW ONLY) & 5000-275 3R30/4R20, to torsion arm using 2570-568 ½ X 2 ½ X 3 ½ U-bolts & 2520-357 ½ lock hex nuts. Do not tighten this hardware down until after each roller is mounted so traction bars can be aligned under each row. NOTE: MAKE SURE THE BEARING SUPPORT TAB ON THE ROLLER MOUNT IS ON THE BACK SIDE.



Step 5: Insert shim washer over the shaft on each end of roller. Install bearing over the shaft on each end of roller so that the side of the casting that has bearing protruding past housing surface is towards the roller barrel & shim washer. Lift each roller into place so that bolt holes on the cast line up with mounting tabs on roller arm mount tube. Install ½" X 2 ½" bolts and tighten the ½" lock nuts. Once roller & bearing hardware is fastened, spin the roller to ensure bearing was installed correctly. If roller was installed incorrectly, the roller will not spin or will have drag.





THE SIDE OF THE BEARING ASSEMBLY WHERE THE BEARING IS PROTRUDING MUST BE INSTALLED TOWARD THE ROLLER!

ASSEMBLY INSTRUCTIONS

Step 6: Slide the roller mount tubes to align the row center with the traction bars. Fully tighten all hardware at this time to torque spec. The traction bars DO NOT have to be directly centered under each row.



LOCK UP

To "lock up" the Devastator roller, lower the head down far enough to install a rod through the hole in the mount bracket, in front of the pivot arms. A 5000-430 Lock Pin can be ordered to lock up the devastators. 6 row heads require 1 lock pin, 8/12 row heads require 2.



OPERATION

CORN HEAD ANGLE NEEDS TO BE ADJUSTED BETWEEN 22 – 25° FOR OPTIMUM DEVASTATATOR PERFORMANCE. USE THE 5000-455 TO CHECK CORN HEAD ANGLE:

Put the combine on a level surface. Lower corn head to your normal working head height.
 Place the magnetic protractor on the stripper plate to get the angle. Adjust the feeder house as needed, fore or aft, to achieve 22 – 25 degrees.







STORAGE/TRANSPORT

- Head cart may need adjusted to fit the head with devastator correctly. E.g. raising or fore/aft adjustment of saddles/top rail on the head cart.
- If head cart does not have these adjustments, adding a tube extension to top rail or adding extension to saddle/corn head may be required.
- Side to side tilt may need used to clear taller head cart tires or locking the devastator up.
- When disconnecting from the head, leaving pressure on the torsion pivot of the devastator will not damage the devastator.





BEARING REPLACEMENT

Put the bearing housing in a vice, use a pry bar to turn the bearing in the housing parallel with the slots, remove the old bearing, apply anti-seize lubricant to the interior of the bearing housing, insert the new bearing in the slots, & use a pry bar to move back to position. Wobble the bearing around to help work the lubricant into the outer race of the bearing.





5000-050B PART IDENTIFICATIONS DRAGO GT 6 ROW

ITEM	PART #	DESCRIPTION	QUANTITY
1	2502-322	5/8 – 11 X 2 HHCS GR 8	8
2	2502-353	½ - 13 X 2 ½ HHCS GR 8 ZP	12
3	2502-430	34 - 10 X 8 HHCS GR 8 ZP	4
4	2505-262	3/8 – 16 X 1 ½ CARRIAGE BOLT GR 5 ZP	24
5	2520-258	3/8 – 16 HEX FLANGE LOCK NUT ZP	24
6	2520-357	1/2-13 LOCK HEX NUT, GR A, ZP	28
7	2520-459	5/8 – 11 LOCK HEX NUT GR B ZP	8
8	2520-604	34 - 10 HEX TOP LOCK NUT	4
9	2570-568	1/2 X 2 1/2 X 3 1/2 U-BOLT	8
10	5000-169	TORSION PIVOT ASSEMBLY	4
11	5000-272	3R30 ROLLER W.A.	2
12	5000-275A	4R20/3R30 ROLLER MOUNT W.A.	2
13	5000-277	TORSION MOUNT W.A.	2
14	5000-278	DRAGO GT CENTER PIVOT W.A.	1
15	5000-292	TORSION ARM W.A.	4
16	5000-322	SHIM WASHER ZP	4
17	5000-355	BEARING ASSEMBLY	4
	2550-059	DEVASTATOR BEARING (NO CAST HOUSING)	4
18	5000-438	BACKING PLATE	6
19	5000-439	SHORT BACKING PLATE	6
20	5000-440	CENTER BACKING PLATE	1
21	5000-441	SHORT/DOUBLE BACKING PLATE	1
22	5000-468	SPACER	4
23	5000-469	SECURITY CAP	8



5000-051B PART IDENTIFICATIONS DRAGO GT 8 ROW

ITEM	PART #	DESCRIPTION	QUANTITY
1	2502-322	5/8 – 11 X 2 HHCS GR 8	12
2	2502-353	½ - 13 x 2 ½ HHCS GR 8 ZP	18
3	2502-430	3⁄4 - 10 X 8 HHCS GR 8 ZP	6
4	2505-262	3/8 – 16 X 1 ½ CARRIAGE BOLT GR 5 ZP	36
5	2520-258	3/8 – 16 HEX FLANGE LOCK NUT ZP	36
6	2520-357	1/2-13 LOCK HEX NUT, GR A, ZP	42
7	2520-462	5/8 – 11 LOCK HEX NUT GR 8 ZP	12
8	2520-604	3/4 - 10 HEX TOP LOCK NUT	6
9	2570-568	½ X 2 ½ X 3 ½ U-BOLT	12
10	5000-169	TORSION PIVOT ASSEMBLY	6
11	5000-268	2R30 ROLLER W.A.	1
12	5000-269A	2R30 ROLLER MOUNT W.A.	1
13	5000-272	3R30 ROLLER W.A.	2
14	5000-275A	4R20/3R30 ROLLER MOUNT W.A.	2
15	5000-277	TORSION MOUNT W.A.	4
16	5000-278	DRAGO GT CENTER PIVOT W.A.	1
17	5000-292	TORSION ARM W.A.	6
18	5000-322	SHIM WASHER ZP	6
19	5000-355	BEARING ASSEMBLY	6
	2550-059	DEVASTATOR BEARING (NO CAST HOUSING)	6
20	5000-438	BACKING PLATE	10
21	5000-439	SHORT BACKING PLATE	10
22	5000-440	CENTER BACKING PLATE	1
23	5000-441	SHORT/DOUBLE BACKING PLATE	1
24	5000-468	SPACER	6
25	5000-469	SECURITY CAP	12



5000-052B PART IDENTIFICATIONS DRAGO GT 12 ROW

ITEM	PART #	DESCRIPTION	QUANTITY
1	2502-322	5/8 – 11 X 2 HHCS GR 8	16
2	2502-353	½ - 13 X 2 ½ HHCS GR 8 ZP	24
3	2502-430	3/4 - 10 X 8 HHCS GR 8 ZP	8
4	2505-262	3/8 – 16 X 1 ½ CARRIAGE BOLT GR 5 ZP	48
5	2520-258	3/8 – 16 HEX FLANGE LOCK NUT ZP	48
6	2520-357	1/2-13 LOCK HEX NUT, GR A, ZP	56
7	2520-459	5/8 – 11 LOCK HEX NUT GR B ZP	16
8	2520-604	34 - 10 HEX TOP LOCK NUT	8
9	2570-568	½ X 2 ½ X 3 ½ U-BOLT	16
10	5000-169	TORSION PIVOT ASSEMBLY	8
11	5000-272	3R30 ROLLER W.A.	4
12	5000-275A	4R20/3R30 ROLLER MOUNT W.A.	4
13	5000-277	TORSION MOUNT W.A.	6
14	5000-278	DRAGO GT CENTER PIVOT W.A.	1
15	5000-292	TORSION ARM W.A.	8
16	5000-322	SHIM WASHER ZP	8
17	5000-355	BEARING ASSEMBLY	8
	2550-059	DEVASTATOR BEARING (NO CAST HOUSING)	8
18	5000-438	BACKING PLATE	14
19	5000-439	SHORT BACKING PLATE	14
20	5000-440	CENTER BACKING PLATE	1
21	5000-441	SHORT/DOUBLE BACKING PLATE	1
22	5000-468	SPACER	8
23	5000-469	SECURITY CAP	16

5000-053A PART IDENTIFICATIONS



5000-053 PART IDENTIFICATIONS

ITEM	PART #	DESCRIPTION	QUANTITY
1	2502-322	5/8 – 11 X 2 HHCS GR 8	24
2	2502-353	½ - 13 X 2 ½ HHCS GR 8 ZP	36
3	2502-430	3/4 - 10 X 8 HHCS GR 8 ZP	12
4	2505-262	3/8 – 16 X 1 ½ CARRIAGE BOLT GR 5 ZP	72
5	2520-258	3/8 – 16 HEX FLANGE LOCK NUT ZP	72
6	2520-357	1/2-13 LOCK HEX NUT, GR A, ZP	84
7	2520-459	5/8 – 11 LOCK HEX NUT GR B ZP	24
8	2520-604	34 - 10 HEX TOP LOCK NUT	12
9	2570-568	½ X 2 ½ X 3 ½ U-BOLT	24
10	5000-169	TORSION PIVOT ASSEMBLY	12
11	5000-268	2R30 ROLLER W.A.	2
12	5000-269A	2R30 ROLLER MOUNT W.A.	2
13	5000-272	3R30 ROLLER W.A.	4
14	5000-275A	4R20/3R30 ROLLER MOUNT W.A.	4
15	5000-277	TORSION MOUNT W.A.	8
16	5000-278	DRAGO GT CENTER PIVOT W.A.	1
17	5000-292	TORSION ARM W.A.	12
18	5000-298	TORSION MOUNT W.A. WIDE	2
19	5000-322	SHIM WASHER ZP	12
20	5000-355	BEARING ASSEMBLY	12
	2550-059	DEVASTATOR BEARING (NO CAST HOUSING)	12
21	5000-438	BACKING PLATE	22
22	5000-439	SHORT BACKING PLATE	22
23	5000-440	CENTER BACKING PLATE	1
24	5000-441	SHORT/DOUBLE BACKING PLATE	1
25	5000-468	SPACER	12
26	5000-469	SECURITY CAP	24

TROUBLESHOOTING

ISSUE	CAUSE	CORRECTIVE ACTION
Residue Plugging	1. Incorrect Head Angle	1. Adjust head angle to 22 – 25 degrees (see page 12)
	2. Roller Mount Tube	2. Make sure the Bearing Support Tab is on the backside
	incorrectly installed	of the Roller Mount Tube
	Pivot arm orientation	3. Reposition the pivot arm so that it offsets under the
	incorrect	snout & not under the row
	 Bearing installed 	4. Make sure the side of the bearing that protrudes outside
	incorrectly	of the cast housing is facing AWAY from the bearing
		plate (each roller should spin freely by hand)
Stalk aren't	1. Operating corn head too	1. Lower corn head until the rollers engage
"devastated"	high	
Corn Head won't	1. Devastators bottom out	1. Adjust top rail & saddles higher on cart
fit on head cart	2. Storage stands don't rest	2. Make Stand Extensions for Saddle Extensions for head
	in the saddles on the cart	cart









A Tradition of Solutions since 1930

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