

2962 R.U.M.D.D.F.O.

ROW UNIT MOUNTED DOUBLE DISC FERTILIZER OPENER

OPERATOR'S MANUAL

PARTS IDENTIFICATION 2565-731_REV_L • 03/2023



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 four 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** and 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 309/776-3222 (FAX)

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.

SAFETY PRECAUTIONS

You can make your farm a safer place to live and work if you observe the safety precautions given. Study these precautions carefully and insist those working with you and for you follow the precautions.

Finally, remember this an accident is usually caused by someone's carelessness, neglect or oversight.

A brief description of signal words that may be used in this manual:

CAUTION: Used as a general reminder of good safety practices or to direct attention to unsafe practices.

WARNING: Denotes a specific potential hazard.

DANGER: Denotes the most serious specific potential hazard.



Consult your implement and tractor operator's manual for correct and safe operating practices. Be aware of towed implement width and allow safe clearance.



Safety decals are placed on the implement to alert the operator and others to the risk of personal injury or unsafe operation during normal operations and servicing.

- 1. The safety decals must be kept clean and in good condition to ensure that they are legible.
- 2. Safety decals must be replaced if they are missing or illegible.
- 3. When components are replaced during repair or servicing, check that the new components include the necessary safety signs.
- 4. Replacement safety decals may be obtained from your local dealer.



Read these instructions carefully to acquaint yourself with the Seed Jet II. Working with unfamiliar equipment can lead to accidents.

Safety shields must always be in place during operation.

Never park the gravity wagon on a steep incline or leave the equipment running unattended.

Never clean, lubricate or adjust a machine that is in motion. Always remove spark plug wire before performing service.

Always replace safety shields after servicing.

If machine must be serviced in the raised position, jack or block it up to prevent it from accidentally falling and injuring someone.

Be sure the park brake is set before operating.

Do not allow children to operate this equipment.

Do not allow riders on the wagon or pickup.

Use speeds and caution dictated by the terrain being traversed. Do not operate on any slope steep enough to cause tipping or loss of control.

Be sure all personnel are clear of the immediate area before operating.

Read and understand the operator's manual and require all other persons who will operate the equipment to do the same.

If operating on public roadways, where legal, be certain all lighting is operating properly and observe all traffic laws.

Attach a slow moving vehicle emblem to the rear of the trailing implement.

Beware of increased stopping distances and control effort when operating with implements attached.

Be familiar with all controls and be prepared to stop engine and equipment quickly in an emergency.

If seed or seed treatment is dusty or dirty, wear a full-face respirator.

FAILURE TO HEED MAY RESULT IN PERSONAL INJURY OR DEATH.

BOLT TORQUE

Mounting bolts and hardware

Before operating the 2962 R.U.M.D.D.F.O. for the first time, check to be sure that all hardware is tight. Check all hardware again after approximately 50 hours of operation and at the beginning of each planting season.

All hardware used on the 2962 R.U.M.D.D.F.O. is Grade 5 unless otherwise noted. Grade 5 cap screws are marked with three 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 the torque values chart when tightening hardware.



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

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 you apply to the wrench handle or the cheater bar, times the length of the handle or bar.

Use a torque wrench whenever possible.

BOLT DIA. AND THREADS PER INCH	GRADE 2	GRADE 5 A-325	GRADE 8
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

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

Lubricate all bearings and moving parts as assembled and make certain that they work freely.



WARNING: Never work around the toolbar/implement while in a raised position without using safety lockups.



CAUTION: The 2962 R.U.M.D.D.F.O. is very heavy. Pay extra attention to lifting techniques hile handling and or maneuvering the opener during assembly. Failure to do so may lead to personal injury.

OPERATION PRECAUTIONS

STOP

Read this before using the Yetter product.

- MACHINE OPERATION

IMPORTANT: failure to properly set the planter frame height and levelness can result in less than successful operation of the planter and the Yetter product and may result in <u>damaged equipment</u>. All operators should read and thoroughly understand the instructions given prior to using the Yetter product.

NOTE: DO NOT use this product if the planter is not adjusted properly!

Leveling the planter:

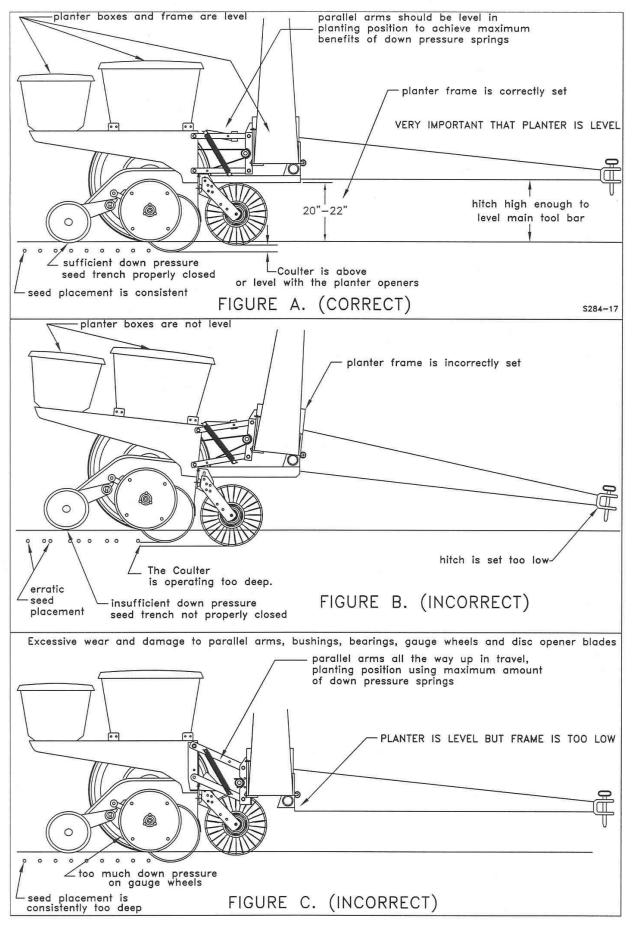
With the planter lowered to proper operating height (Usually 20"-22"). Read the planter operator's manual for recommended setting. Check to be sure the toolbar and row unit parallel arms are level fore and aft. <u>Re-</u> <u>check</u> when the planter is in the <u>field</u> and has been <u>fully loaded</u> with seed, fertilizer, granular chemicals, etc. Also, a field check with a bubble level on the frame should be made of the hitch height to ensure level operation front to back.

It is important for the planter to operate level laterally. Tire pressure must be maintained at pressures specified by the manufacturer.

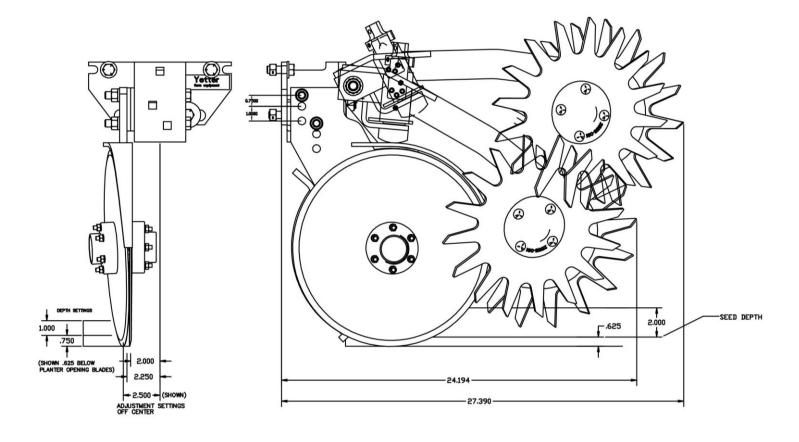
Field and actual planting conditions change and will dictate planter frame heights. You must ensure that the row unit parallel arms are approximately parallel with the ground.

IMPORTANT: For proper operation of the planter attachments and row units, it is imperative that the planter toolbars and row unit parallel arms be level side-to-side and front-to-rear. The toolbar frame should operate at a 20"-22" height from the *planting surface*. Check the manufacturer's operator's manual for instructions on how to adjust the frame height and levelness.

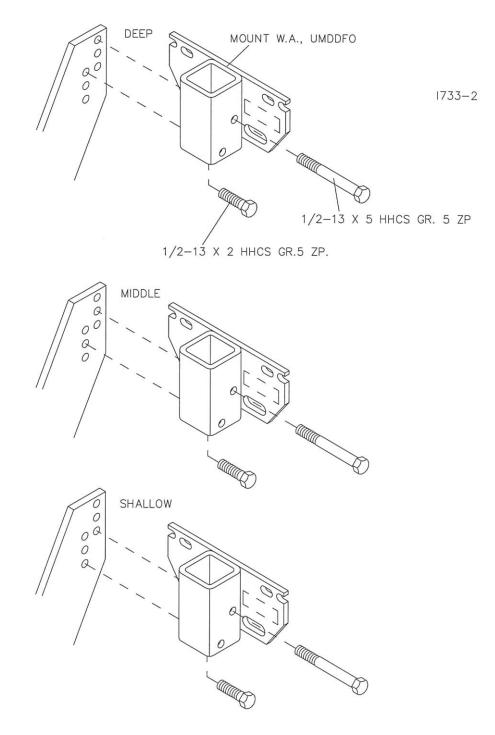
PLANTER ADJUSTMENT



PLANTER ADJUSTMENT

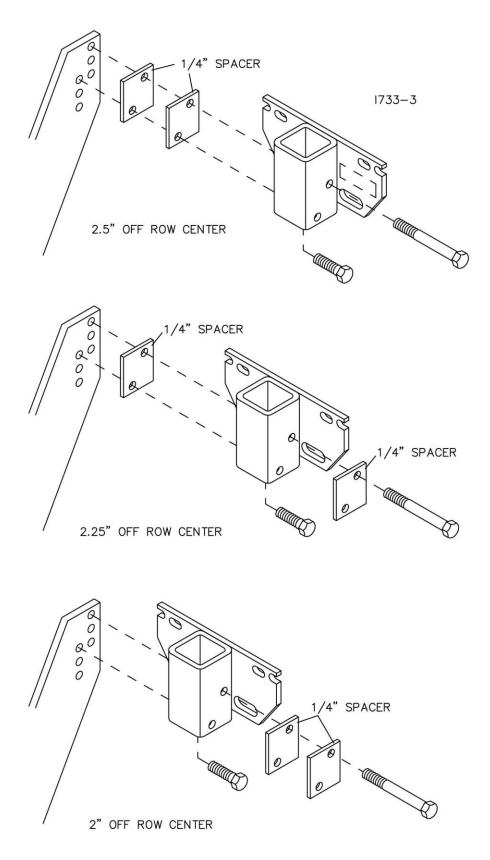


ADJUSTING DEPTH



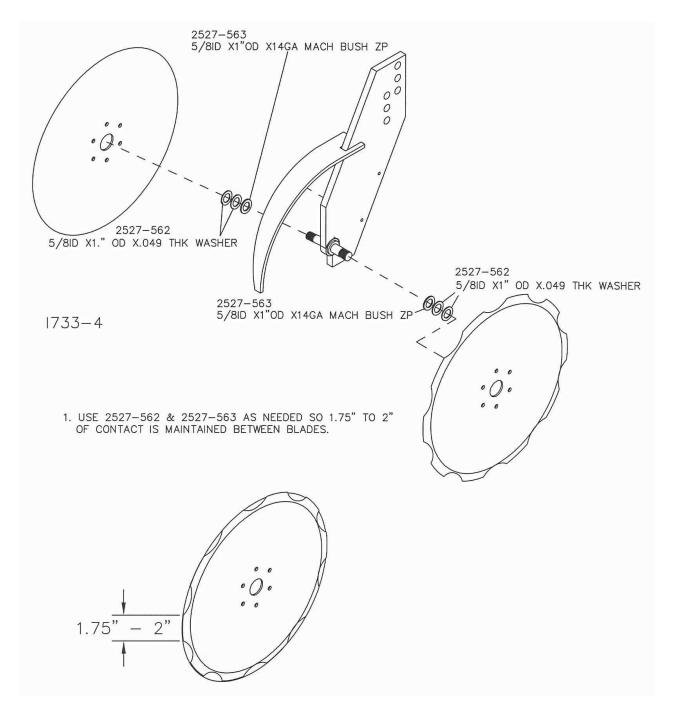
Row Unit Mounted Double-Disk Fertilizer openers will perform in conventional, reduced and light no-till conditions but are not recommended for double-crop or tough no-till conditions. The double-disk design limits penetration in no-till or double-crop conditions. Single disk openers are better suited for no-till conditions.

ADJUSTING FERTILIZER TO SEED FURROW



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MAINTENANCE



MAINTENANCE BEARING ASSEMBLY AND LUBRICATION

Practice Safety

Understand and practice safe service procedures before doing work. Follow ALL the operating, maintenance and safety information in the equipment operator manual. Clear the area of bystanders, especially small children, when performing any maintenance or adjustments. Keep work area clean and dry. Use adequate lighting for the job. Use only tools, jacks and hoists of sufficient capacity for the job.

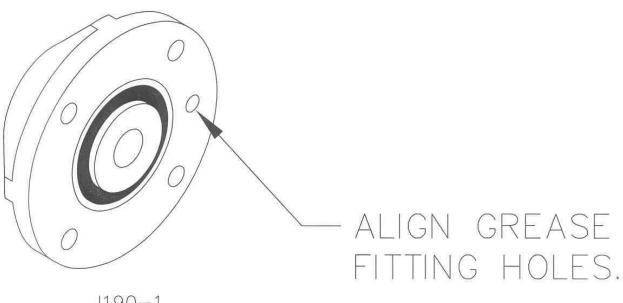
Never lubricate, service, or adjust machine while it is moving. Keep hands, feet, and clothing from power-driven moving and rotating parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground and stop the engine. Remove the key. Wait for all moving parts to stop before servicing, adjusting, repairing or unplugging.

Securely support any machine elements with blocks or safety stands that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damaged equipment immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

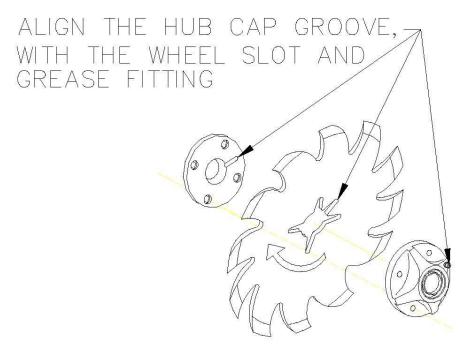
Make sure all guards are in place and properly secured when maintenance work is completed.

Assembly

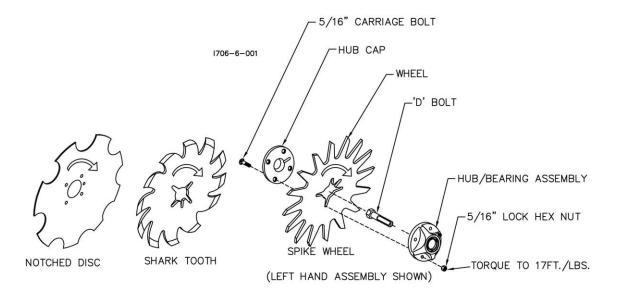


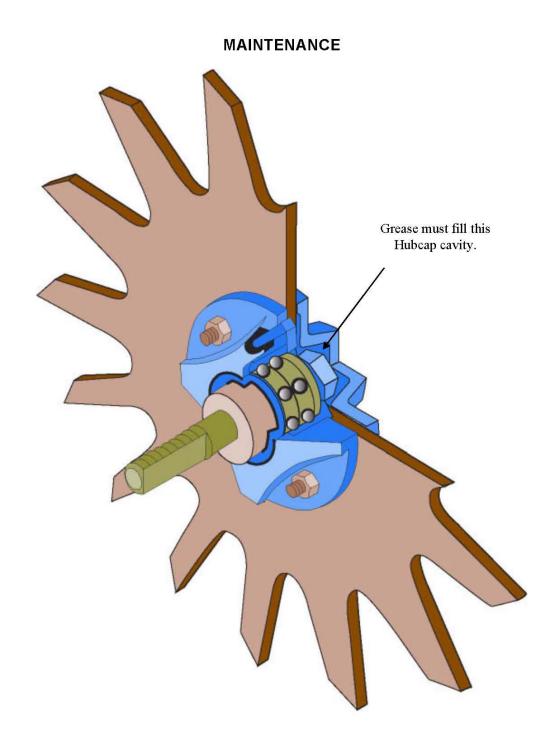
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MAINTENANCE



NOTE: Be certain to align the grease fitting with the slot in the wheel and the hubcap so that the grease can flow freely.





MAINTENANCE

Lubrication

CAUTION: To help prevent serious injury or death to you or others caused by unexpected movement, service machine on a level surface. Lower machine to ground or sufficiently lock or block raised machine before servicing. If machine is connected to tractor, engage parking brake and place transmission in "PARK", shut off engine and remove key. If machine is detached from tractor, block wheels and use shop stands to prevent movement.

CAUTION: Do not clean, lubricate, or adjust machine while in motion.

Use grease based on NLGI consistency numbers and the expected air temperature range during the service interval.

Use a multi-purpose polyurea, water resistant, moderate speed, and NLGI grade #2 grease.

IMPORTANT: Some types of grease thickener are not compatible with others. Consult your grease supplier before mixing different types of grease. Alternative Lubricants

Conditions in certain geographical areas may require special lubricants and lubrication practices which do not appear in the operator's manual. If there are any questions, consult Yetter Manufacturing Co. to obtain latest information and recommendation.

PART #	DESCRIPTION	OUNCES OF GREASE
2967-404	13" TAPER TOOTH R M WHEEL	1.12 OZ
2967-602	13" SHARK TOOTH R.M. WHEEL	1.12 OZ
2967-186	FLOATER WHEEL KIT W/R.M. WHEEL	2.08 OZ
6200-350	BEVEL R.M. WHEEL W/ FLOATER WHEEL KIT	2.40 OZ
6200-351		

Storing Lubricants

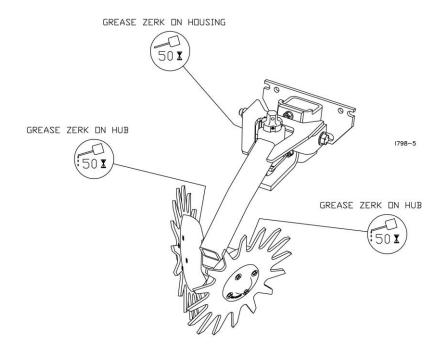
Your machine can operate at top efficiency only if clean lubricants are used. Use clean containers to handle all lubricants.

Store them in an area protected from dust, moisture and other contaminants.

MAINTENANCE Lubrication Symbols

Cubricate with grease at hourly interval indicated on symbol.

Lubrication Intervals



IMPORTANT: The recommended service intervals are based on normal conditions; severe or unusual conditions may require more frequent lubrication.

Perform each lubrication and service procedure at the beginning and end of each season. Clean grease fittings before using grease gun, to avoid injecting dirt and grit into the bearing. Replace any lost or broken fittings immediately. If a fitting fails to take grease, remove and clean thoroughly, replace fitting if necessary. Also check for failure of adjoining parts.

BEARING REPLACEMENT INSTALLATION

- 1. When assembling the spoke wheels, bearing assembly and hubcap, be sure to align the grease transfer hole in the spoke wheel with the groove in the hubcap and hole in the hub to allow grease passage.
- 2. Assemble the wheels, hubs and caps
- 3. Grease the wheel/hub/bearing assembly.

MAINTENANCE

Storing the Equipment

Store the machine in an area away from human activity

Store machine in RAISED position.

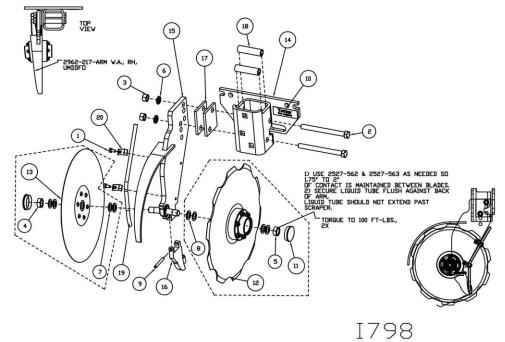
Install service locks on all wheel cylinders.

At the end of the season, the machine should be thoroughly inspected and prepared for storage. Repair or replace any worn or damaged components to prevent down time at the start of the next season. Store machine under cover with all parts in operating condition.

- Clean machine thoroughly to remove all dirt, debris and crop residue, which would hold moisture and cause rusting.
- Inspect machine for worn or broken parts. See your Yetter Farm Equipment dealer during the off-season so that parts or service can be acquired when machine is not needed in the field.
- Lubricate bearings as outlined in the Lubrication section
- Paint all parts which are chipped or worn and require repainting.
- Store machine in a clean, dry place with the planting unit out of the sun.
- If the machine cannot be stored inside, cover with a waterproof tarpaulin and tie securely in place.
- Do not allow children to play on or around the machine

Notes:

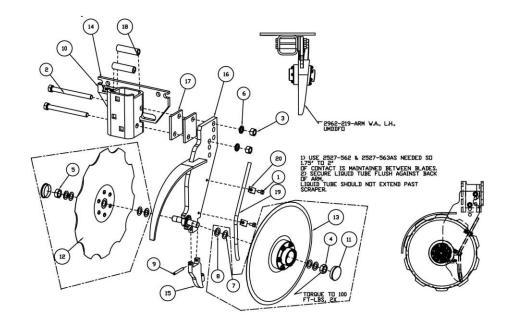
2962-122 RH LIQUID ASSEMBLY



ITEM	PART ND.	DESCRIPTION	QTY
1	2502-104	1/4-20 X 1/2 HHCS GR. 5 ZYD.	2
2	2502-368	1/2-13 X 5-1/2 HHCS GR5 ZP	2
3	2520-352	1/2-13 HEX NUT ZP	2
4	2520-453	5/8-11 JAM HEX NUT ZP	1
5	2520-466	5/8-11 L.H. JAM HEX NUT ZP	1
6	2525-352	1/2 MED LOCKWASHER ZP.	2
7	2527-562	5/8IDX10DX.049+002M BU ZP	4
8	2527-563	5/8ID X1″DD X14GA MACH BU	4
9	2530-153	1/4 X 2 ROLL PIN ZP	1
10	2565-179	YETTER DECAL 1" X 3"	1
11	2570-543	HUB CAP, HARTFORD #10802	2
12	2962-123	NDTCHED BLADE ASS'Y (11-2015)	1
13	2962-125	OPENER BLADE ASS'Y (11-2015)	1
14	2962-206	MOUNT W.A. UMDDFO (2010)	1
15	2962-217	ARM W.A.(RH) UMDDFD (11-2015)	1
16	2962-218	INTERNAL SCRAPER W.A. (11-2015)	1
17	2962-302	.25″ SPACER, RUMDDFO	2
18	2962-322	BUSHING	2
19	2962-334	LIQUID TUBE	1
20	2962-335	TUBE CLAMP	2

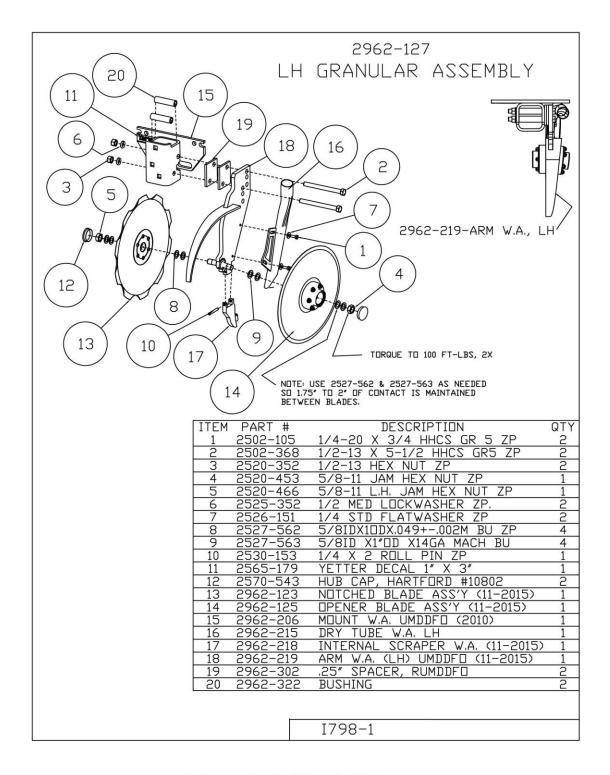
MFG 11-2015 TO 6-2016

2962-126 LH LIQUID ASSEMBLY

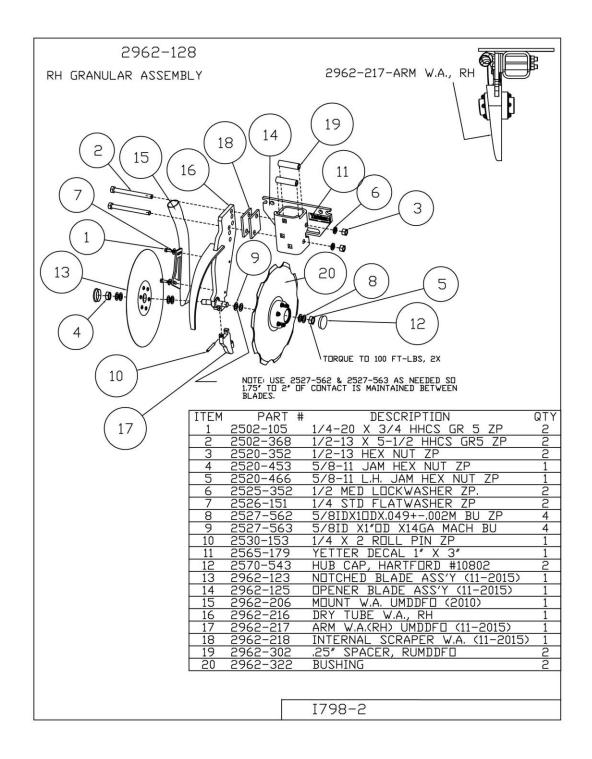


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ITEM	PART ND.	DESCRIPTION	QTY
TIEM	PART NU.	DESCRIFTION	
1	2502-104	1/4-20 X 1/2 HHCS GR. 5 ZYD.	2
2	2502-368	1/2-13 X 5-1/2 HHCS GR5 ZP	2
3	2520-352	1/2-13 HEX NUT ZP	2
4	2520-453	5/8-11 JAM HEX NUT ZP	1
5	2520-466	5/8-11 L.H. JAM HEX NUT ZP	1
6	2525-352	1/2 MED LOCKWASHER ZP.	2
7	2527-562	5/8IDX10DX.049+002M BU ZP	4
8	2527-563	5/8ID X1″DD X14GA MACH BU	4
9	2530-153	1/4 X 2 ROLL PIN ZP	1
10	2565-179	YETTER DECAL 1" X 3"	1
11	2570-543	HUB CAP, HARTFORD #10802	2
12	2962-123	NOTCHED BLADE ASSYY (11-2015)	1
13	2962-125	DPENER BLADE ASS'Y (11-2015)	1
14	2962-206	MOUNT W.A. UMDDFO (2010)	1
15	2962-218	INTERNAL SCRAPER W.A. (11-2015)	1
16	2962-219	ARM W.A. (LH) UMDDFO (11-2015)	1
17	2962-302	.25" SPACER, RUMDDFD	2
18	2962-322	BUSHING	2
19	2962-334	LIQUID TUBE	1
20	2962-335	TUBE CLAMP	2

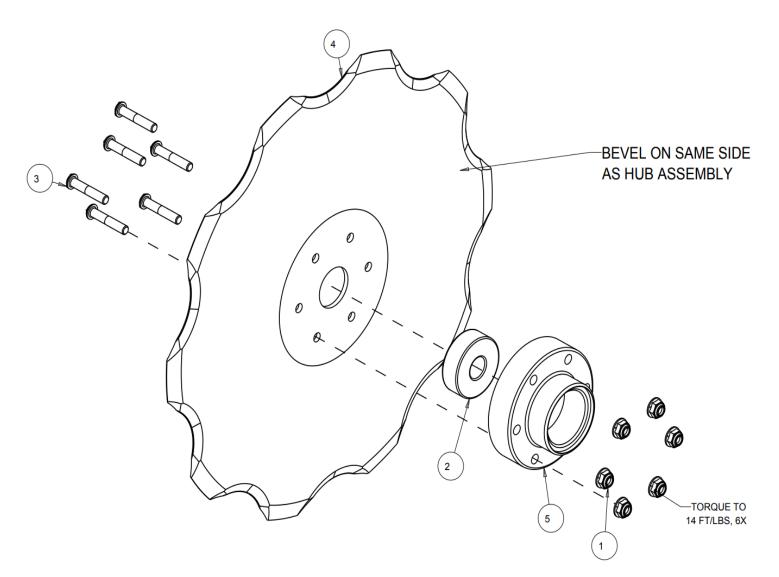


MFG 11-2015 TD 06-2016



MFG 11-2015 TD 06-2016

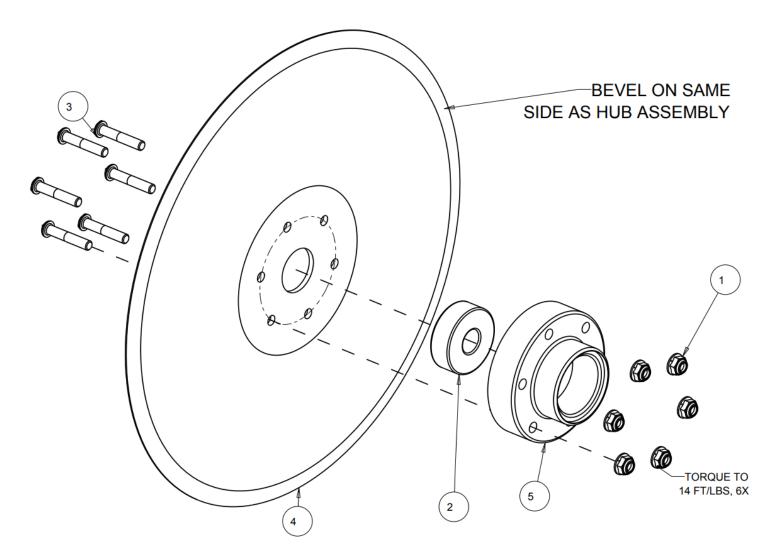
2962-123 NOTCHED BLADE ASSEMBLY



ITEM	PART #	DESCRIPTION	QTY
1	2520-159	¼-20 HEX FLANGE NYLON INSERT NUT, GR F	6
2	2550-328	PLANTER COULTER BEARING	1
3	2570-204	¼-20 X 1.37 BHSCS, GR 5 ZP	6
4	2571-283	.138 X 12.5 NOTCHED BLADE	1
5	2962-342	DOUBLE DISC HUB (2016-OLDER)	1

MANUFACTURED 11/15 - 06/16

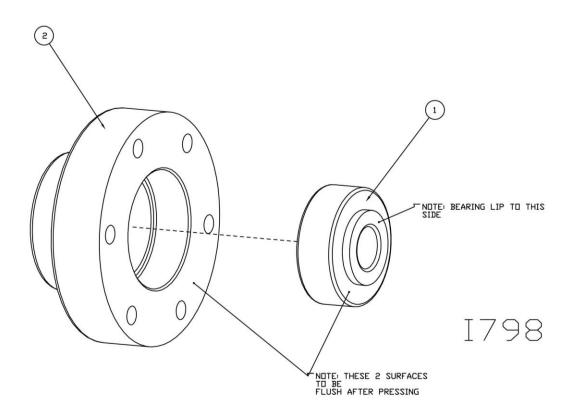
2962-125 OPENER BLADE ASSEMBLY



ITEM	PART #	DESCRIPTION	QTY
1	2520-159	1/4-20 HEX FLANGE NYLON INSERT NUT, GR F	6
2	2550-328	PLANTER COULTER BEARING	1
3	2570-204	1⁄4-20 X 1.37 BHSCS, GR 5 ZP	6
4	2571-284	.138 X 12.5 OPENER BLADE	1
5	2962-342	DOUBLE DISC HUB (2016-OLDER)	1

MANUFACTURED 11/15 - 06/16

2962-124 DOUBLE DISC HUB ASSEMBLY



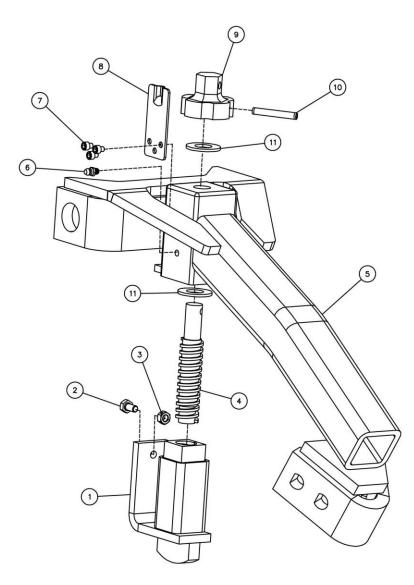
ITEM	PART NO.	DESCRIPTION	QTY
1	2550-328	PLANTER COULTER BRG. 204RY2	1
2	2962-342	DOUBLE DISC HUB (11-2015)	1

MANUFACTURED 11-2015 TO 06-2016

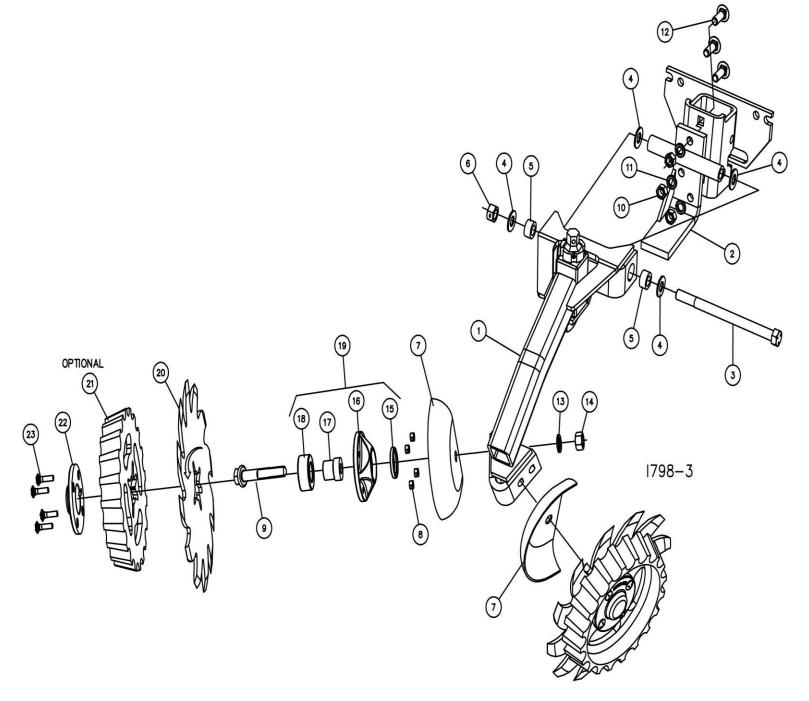
2962-114, UMDDFO RM ARM ASS'Y

DET	QTY	PART NO.	DESCRIPTION
1	1	2962-210	EXTENSION TUBE W.A.
2	1	2502-104	1/4-20 X 1/2 HHCS GR. 5 ZYD.
3	1	2520-152	1/4-20 LOCK HEX NUT ZP
4	1	2967-764	ACME SCREW, TWIN ROW
5	1	2962-211	UMDDFO RESIDUE MANAGER ARM
6	1	2533-110	1/4-28 ZERK STRAIGHT SELF-TAP
7	3	2510-102	#10-32X.25HSHCPS ZP W/TRDLCK
8	1	2967-652	DETENT PLATE
9	1	2967-699	ADJUSTMENT KNOB (9/07)
10	1	2530-157	1/4 X 1-3/4 ROLL PIN ZP
11	2	2526-453	5/8 SAE FLATWASHER ZP

1798-4



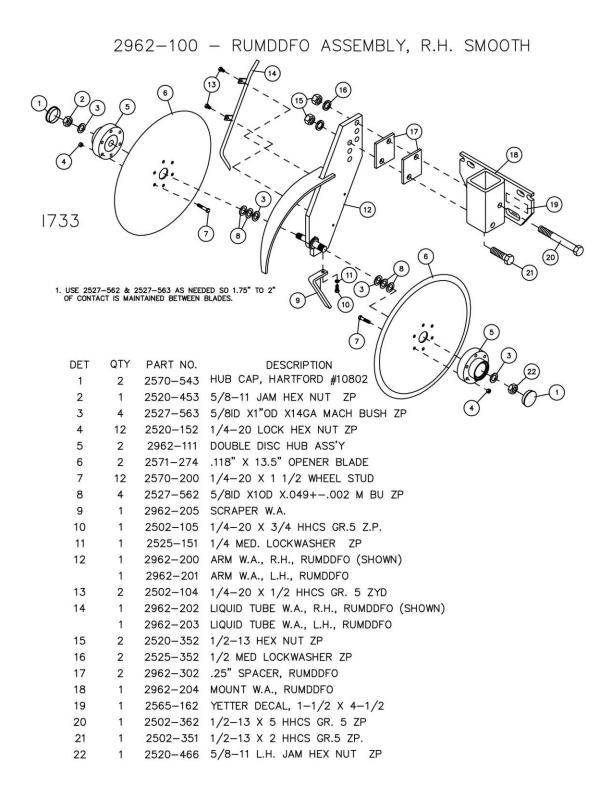
2962-005 UMDDFO RM ASSEMBLY



2962-005, UMDDFO RM ASS'Y

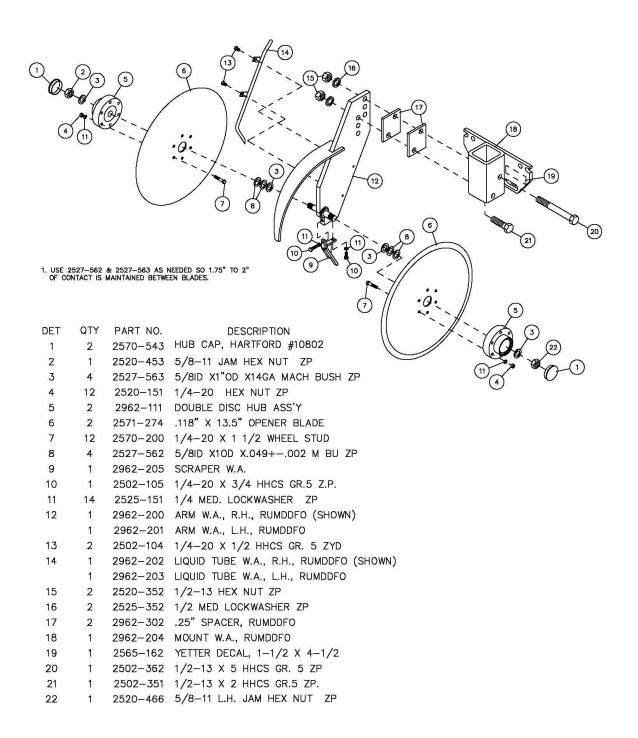
DET	QTY	PART NO.	DESCRIPTION
1	1	2962-114	UMDDFO RM ARM ASS'Y
2	1	2962-209	R.M. MOUNT BRACKET
3	1	2502-333	5/8-11 X 9 HHCS G5 ZP
4	4	2526-454	5/8 SAE FLATWASHER HRD'ND YD
5	2	2967-553	PIVOT BUSHING
6	1	2520-459	5/8–11 LOCK HEX NUT ZP
7	2	2967-392	SHIELD, RM COMBO-PAINTED
8	8	2520-206	5/16–18 FLANGE LOCK NUT
9	2	2570-740	D-BOLT, FLANGE, 5/8–11 X 2.812" GR8 ZYD
10	3	2520-352	1/2–13 HEX NUT ZP
11	3	2525-352	1/2 MED LOCKWASHER ZP
12	3	2505-339	1/2–13 X 1–1/2 CARBLT G5 ZP
13	2	2525-451	5/8 MED LOCKWASHER ZP
14	2	2520-452	5/8-11 HEXNUT ZP
15	2	2550-069	SEAL, TRIPLE LIP, NTI# 1812-5
16	2	2965-351	HUB CAST., MACHINED, 4 BOLT
17	2	2570-715	BEARING INSERT, TRASHMASTER
18	2	2570-594	BEARING, 2 ROW NTN# DF0654LU
19	2	2965-128	HUB AND BEARING ASS'Y.,4 BOLT
20	2	2967-602	13" SHARK TOOTH WHEEL (SHOWN)
	2	2967-596	3/8" TAPER TOOTH SPOKE WHEEL
	2	2967-404	13" TAPER TOOTH SPOKE WHEEL
	1	6200-351	13" BEVELED WHEEL, R.H.
	1	6200-350	13" BEVELED WHEEL, L.H.
21	2	2967-555	FLOATER WHEEL
22	2	2965-352	HUB CAP CASTING, 4 BOLT, BLACK
23	8	2505-207	5/16–18 X 1 1/4 CAR BLT GR5
	8	2505-208	5/16-18 X 1 1/2 CAR BLT GR5
			(USE WITH HEAVY DUTY WHEELS ONLY)
	8	2505-209	5/16-18 X 1 3/4 CAR BLT GR5
			(USE WITH FLOATER WHEEL OPTION)

1798-3

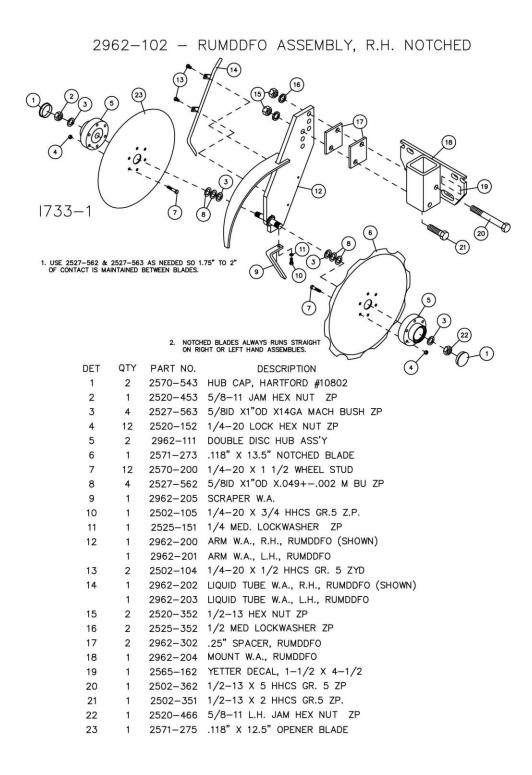


MFG 04-2004 TO 10-2007

2962-100 - RUMDDFO ASSEMBLY, R.H. SMOOTH



MFG 10-31-07 TO 07-2009



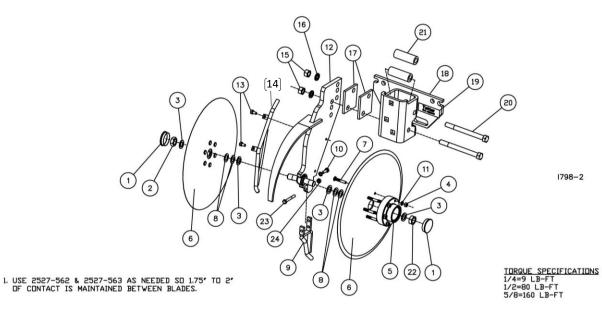
MFG 04-2004 TO 10-2007

2962-102 - RUMDDFO ASSEMBLY, R.H. NOTCHED

		1. 0	A 2 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DET	QTY	PART NO.	DESCRIPTION (7)
1	2		HUB CAP, HARTFORD #10802
2	1		5/8-11 JAM HEX NUT ZP
3	4		5/8ID X1"OD X14GA MACH BUSH ZP
4	12		1/4-20 HEX NUT ZP 2. NOTCHED BLADES ALWAYS RUNS STRAIGHT ON RIGHT OR LEFT HAND ASSEMBLIES.
5	2		DOUBLE DISC HUB ASS'Y
6	1		.118" X 13.5" NOTCHED BLADE
7	12		1/4-20 X 1 1/2 WHEEL STUD
8	4		5/8ID X1"OD X.049+002 M BU ZP
9	1	2962-205	SCRAPER W.A.
10	1	2502-105	1/4-20 X 3/4 HHCS GR.5 Z.P.
11	14	2525-151	1/4 MED. LOCKWASHER ZP
12	1	2962-200	ARM W.A., R.H., RUMDDFO (SHOWN)
	1	2962-201	ARM W.A., L.H., RUMDDFO
13	2	2502-104	1/4-20 X 1/2 HHCS GR. 5 ZYD
14	1	2962-202	LIQUID TUBE W.A., R.H., RUMDDFO (SHOWN)
	1	2962-203	LIQUID TUBE W.A., L.H., RUMDDFO
15	2	2520-352	1/2-13 HEX NUT ZP
16	2	2525-352	1/2 MED LOCKWASHER ZP
17	2	2962-302	.25" SPACER, RUMDDFO
18	1		MOUNT W.A., RUMDDFO
19	1		YETTER DECAL, 1-1/2 X 4-1/2
20	1		1/2-13 X 5 HHCS GR. 5 ZP
21	1		1/2-13 X 2 HHCS GR.5 ZP.
22	1		5/8-11 L.H. JAM HEX NUT ZP
23	1	2571-275	.118" X 12.5" OPENER BLADE

MFG 10-31-07 TO 07-2009

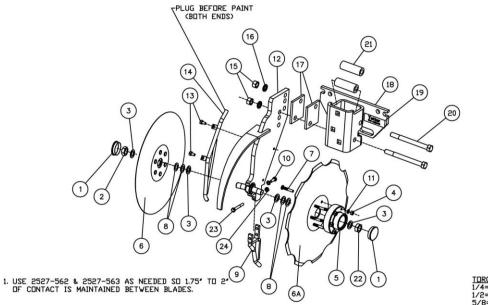
2962-104 UMDDFO ASS'Y RH (SMOOTH) SHOWN 2962-105 UMDDFO ASS'Y LH (SMOOTH)



2962-104 2962-105			Y, RH (SMOOTH) (SHOWN) Y, LH (SMOOTH)
DET	QTY	PART NO.	DESCRIPTION
1	2	2570-543	HUB CAP, HARTFORD #10802
2	1	2520-453	5/8–11 JAM HEX NUT ZP
3	4	2527-563	5/8ID X1"OD X14GA MACH BUSH ZP
4	12	2520-152	1/4-20 LOCK HEX NUT ZP
5	2	2962-111	DOUBLE DISC HUB ASS'Y
6	2	2571-274	.118" X 13.5" OPENER BLADE
7	12	2570-200	1/4-20 X 1 1/2 WHEEL STUD
8	4	2527-562	5/8ID X10D X.049+002 M BU ZP
9	1		INTERNAL SCRAPER, UMDDFO
10	1		1/4-20 X 3/4 HHCS GR.5 Z.P.
11	13		1/4 MED. LOCKWASHER ZP
12	1		ARM W.A. (RH), UMDDFO
	1		ARM W.A. (LH), UMDDFO
13	2		1/4-20 X 1/2 HHCS GR. 5 ZYD
14	1		LIQUID TUBE W.A. (RH), UMDDFO (Ref. Only – Sub 2962-334 Tube & (2) 2962-335 Clamps)
	1		LIQUID TUBE W.A. (LH), UMDDFO
15	2		1/2-13 HEX NUT ZP
16	2		1/2 MED LOCKWASHER ZP
17	2		.25" SPACER, UMDDFO
18	1		MOUNT W.A., UMDDFO
19	1		YETTER DECAL, 1-1/2 X 4-1/2
20	1		1/2-13 X 5-1/2 HHCS GR5 ZP
21	2	2962-322	
22	1		5/8-11 L.H. JAM HEX NUT ZP
23	1		1/4-20 X 2 HHCS GR 5 ZP
24	1	2520-152	1/4-20 LOCK HEX NUT ZP

MANUFACTURED 01-2010 TO 12-2010

2962-106 UMDDFO ASS'Y RH (NOTCHED) SHOWN 2962-107 UMDDFO ASS'Y LH (NOTCHED)



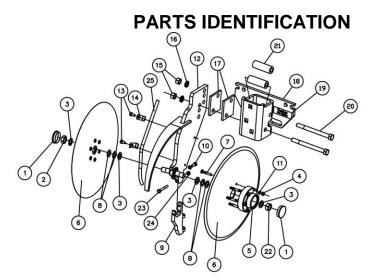
1798-1

TORQUE_SPECIFICATIONS 1/4=9 LB-FT 1/2=80 LB-FT 5/8=160 LB-FT

				, RH (NOTCHED) (SHOWN) , LH (NOTCHED)
	DET	QTY	PART NO.	DESCRIPTION
	1	2	2570-543	HUB CAP, HARTFORD #10802
	2	1	2520-453	5/8-11 JAM HEX NUT ZP
	3	4	2527-563	5/8ID X1"OD X14GA MACH BUSH ZP
	4	12	2520-152	1/4-20 LOCK HEX NUT ZP
	5	2	2962-111	DOUBLE DISC HUB ASS'Y
	6	1	2571-275	.118 X 12.5 OPENER BLADE
	6A	1	2571-273	.118 X 13.5 NOTCHED BLADE
	7	12		1/4-20 X 1 1/2 WHEEL STUD
	8	4	2527-562	5/8ID X10D X.049+002 M BU ZP
	9	1		INTERNAL SCRAPER, UMDDFO
	10	1	2502-105	1/4-20 X 3/4 HHCS GR.5 Z.P.
	11	13		1/4 MED. LOCKWASHER ZP
	12	1		ARM W.A. (RH), UMDDFO
		1		ARM W.A. (LH), UMDDFO
	13	2		1/4-20 X 1/2 HHCS GR. 5 ZYD
	14	1		LIQUID TUBE W.A. (RH), UMDDFO (Ref. Only – Sub 2962-334 Tube & (2) 2962-335 Clamps)
		1		LIQUID TUBE W.A. (LH), UMDDFO
	15	2		1/2-13 HEX NUT ZP
	16	2		1/2 MED LOCKWASHER ZP
	17	2		.25" SPACER, UMDDFO
	18	1		MOUNT W.A., UMDDFO
	19	1		YETTER DECAL, $1-1/2 \times 4-1/2$
	20	1		1/2-13 X 5-1/2 HHCS GR5 ZP
	21	2	2962-322	
	22	1		5/8-11 L.H. JAM HEX NUT ZP
		1		

- 23 1 2502-102 1/4-20 X 2 HHCS GR 5 ZP
- 24 1 2520-152 1/4-20 LOCK HEX NUT ZP

MANUFACTURED 01-2010 TO 12-2010



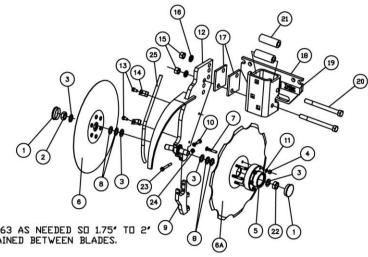
1798-2

TORQUE SPECIFICATIONS 1/4=9 LB-FT 1/2=80 LB-FT 5/8=160 LB-FT

USE 2527-562 & 2527-563 AS NEEDED SD 1.75' TD 2' DF CONTACT IS MAINTAINED BETWEEN BLADES.

2962-104 2962-105				
DET	QTY	PART NO.	DESCRIPTION	
1	2	2570-543	HUB CAP, HARTFORD #10802	
2	1	2520-453	5/8-11 JAM HEX NUT ZP	
3	4	2527-563	5/8ID X1"OD X14GA MACH BUSH ZP	
4	12	2520-152	1/4-20 LOCK HEX NUT ZP	
5	2	2962-111	DOUBLE DISC HUB ASS'Y	
		2962-300	DOUBLE DISC HUB	
		2550-328		
6			.118" X 13.5" OPENER BLADE	
7			1/4-20 X 1 1/2 WHEEL STUD	
8	4	2527-562	5/8ID X10D X.049+002 M BU ZP	
9		2962-214		
10			1/4-20 X 3/4 HHCS GR.5 Z.P.	
11			1/4 MED. LOCKWASHER ZP	
12	1		ARM W.A. (RH), UMDDFO	
	1	2962-207	ARM W.A. (LH), UMDDFO	
13		2502-104	,	
14	2		TUBE CLAMP	
			1/2-13 HEX NUT ZP	
16	2			
17		2962-302		
18	1		· · · · · · · · · · · · · · · · · · ·	
19	1	2565-162		
20	1		1/2-13 X 5-1/2 HHCS GR5 ZP	
21		2962-322		
22	1		5/8–11 L.H. JAM HEX NUT ZP	
0.000	1		1/4-20 X 2 HHCS GR 5 ZP	
24	1		1/4-20 LOCK HEX NUT ZP	
25	1	2962-334	LIQUID TUBE	

MANUFACTURED 1-2011 TO 6-2011



2962-106 UMDDFD ASS'Y, RH (NOTCHED) (SHOWN)

USE 2527-562 & 2527-563 AS NEEDED SD 1.75' TD 2' 9 DF CONTACT IS MAINTAINED BETWEEN BLADES.

1798-1

TORQUE SPECIFICATIONS 1/4=9 LB-FT 1/2=80 LB-FT 5/8=160 LB-FT

2962-107		UMDDFD ASS'Y, LH (NOTCHED)		
DET	QTY	PART NO.	DESCRIPTION	
1	2	2570-543	HUB CAP, HARTFORD #10802	
2	1	2520-453	5/8-11 JAM HEX NUT ZP	
3	4	2527-563	5/8ID X1"OD X14GA MACH BUSH ZP	
4	12	2520-152	1/4–20 LOCK HEX NUT ZP	
5	2	2962-111	DOUBLE DISC HUB ASS'Y	
		2962-300	DOUBLE DISC HUB	
		2550-328	BEARING	
6	1	2571-275	.118 X 12.5 OPENER BLADE	
6A	1	2571-273	.118 X 13.5 NOTCHED BLADE	
7	12		1/4-20 X 1 1/2 WHEEL STUD	
8	4		5/8ID X10D X.049+002 M BU ZP	
9	1	2962-214	INTERNAL SCRAPER, UMDDFO	
10	1		1/4-20 X 3/4 HHCS GR.5 Z.P.	
11	13		1/4 MED. LOCKWASHER ZP	
12	1		ARM W.A. (RH), UMDDFO (SHOWN)	
	1		ARM W.A. (LH), UMDDFO	
13	2		1/4-20 X 1/2 HHCS GR. 5 ZYD	
14			TUBE CLAMP	
15	2		1/2-13 HEX NUT ZP	
16	2		1/2 MED LOCKWASHER ZP	
17	2		.25" SPACER, UMDDFO	
18	1		MOUNT W.A., UMDDFO	
19	1		YETTER DECAL, $1-1/2 \times 4-1/2$	
20			1/2-13 X 5-1/2 HHCS GR5 ZP	
21	2	2962-322		
22			5/8-11 L.H. JAM HEX NUT ZP	
23			1/4-20 X 2 HHCS GR 5 ZP	
24	1		1/4-20 LOCK HEX NUT ZP	
25	1	2962-334	LIQUID TUBE	

MANUFACTURED 01-2011 TO 06-2015



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