

Baffle and Shredder Kits



For RC(M)5020 Rotary Cutters

Manual No. 330-148M

Before You Start



When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

IMPORTANT: Before you begin, read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

The Baffle Kit and Shredder Kit are exclusively designed for your 20' Land Pride Rotary Cutter. Please read these installation instructions and your Rotary Cutter Operator's Manual thoroughly before beginning. Especially read information relating to safety concerns. Also included in the Operator's Manual is important information on operation, adjustment, troubleshooting, and maintenance for this attachment (some manual sections do not apply to all accessories).

A separate Rotary Cutter Parts Manual is available free of charge at www.landpride.com or can be purchased from your nearest Land Pride dealer. Have the model and serial numbers of your cutter handy when placing an order.

Manual Part Numbers:

- Operator's Manual 318-474M
- Parts Manual 318-474P

General Information

These assembly instructions apply to the Baffle and Shredder Kits listed below:

- 330-309A** **SHREDDER/FIXED BLADE/BAFFLE**
- 330-114A** **BAFFLES, FRONT**
- 330-308A** **SHREDDER/FIXED BLADE**
- 330-585A** **BAFFLES, REAR**

Tools required:

- Safety Glasses
- Work Gloves
- Two 3/4" wrenches Baffle Kit Only
- Two 1 1/2" wrenches Shredder Kit Only
- One 55mm wrench Shredder Kit Only

Further Assistance

Your dealer wants you to be satisfied with your new Baffle and Shredder Kits. If for any reason you do not understand any part of this manual or are not satisfied with the service received, the following actions are suggested:

1. Discuss the matter with your dealership service manager making sure he is aware of any problems you may have and that he has had the opportunity to assist you.
2. If you are still not satisfied, seek out the owner or general manager of the dealership, explain the problem and request assistance.
3. For further assistance write to:

Land Pride Service Department
1525 East North Street
P.O. Box 5060
Salina, Ks. 67402-5060

E-mail address

lp servicedept@landpride.com

Safety Information



DANGER

Always disconnect main driveline from tractor PTO before servicing cutter deck. Cutter can be engaged if tractor is started resulting in cutter damage, bodily injury and/or death.



WARNING

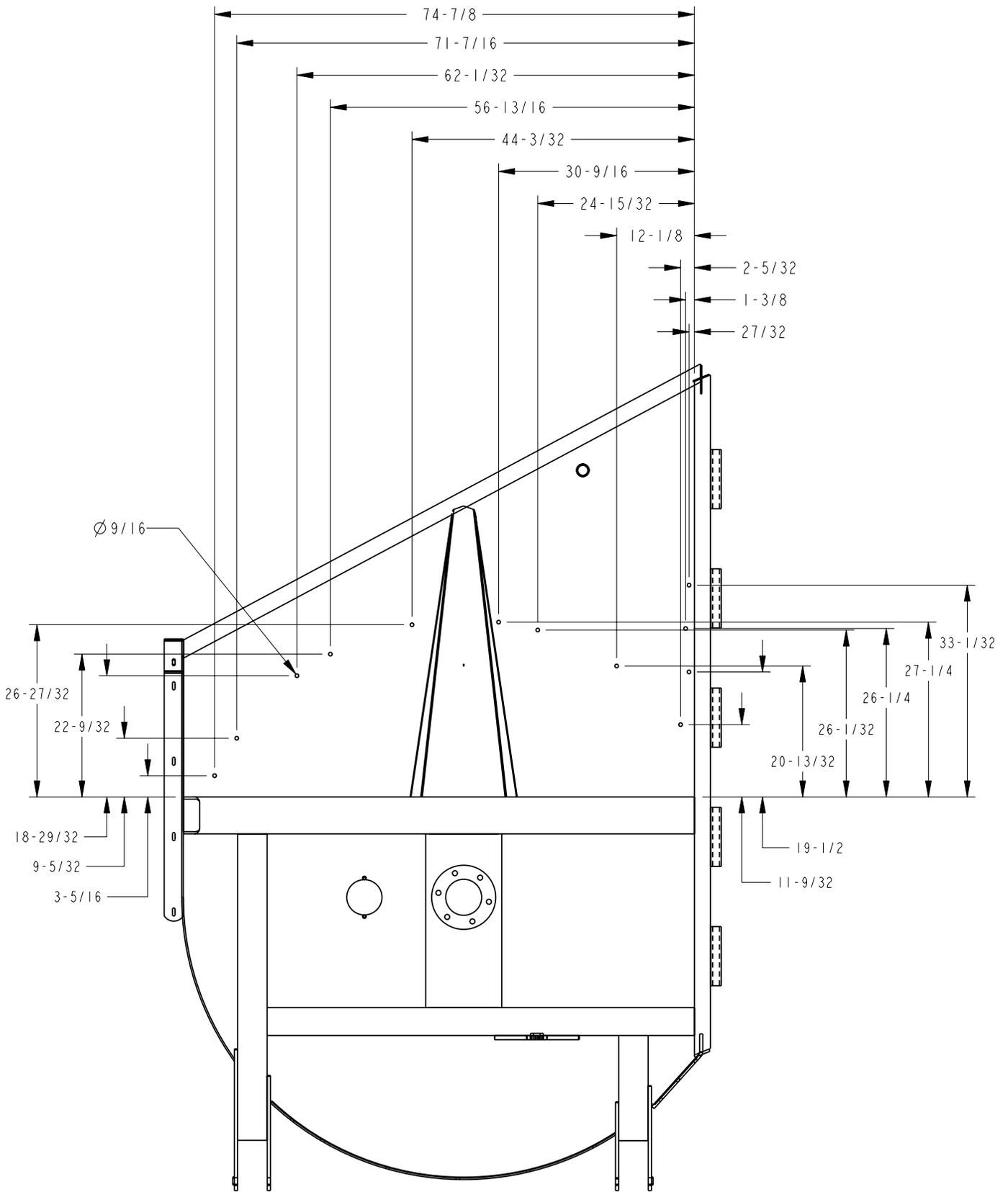
Never work under equipment supported by hydraulics. Hydraulics can drop equipment if controls are actuated or if hydraulic lines burst. Either situation can drop the cutter instantly even when power to the hydraulics is shut off.

Assembly Instructions

A detailed listing of parts for the Baffle and Shredder Kits is provided on pages 10 & 11. Use the list as a checklist to inventory parts received. Please contact your local Land Pride dealer for any missing hardware.

IMPORTANT: Read all "Safety Information" above before working on and around the cutter decks.

1. **Cutters with Serial No. 536742 and lower:**
Lower cutter and wings to the lowest position.
Cutters with Serial No. 536743 and above:
Raise wings fully up and lock into position with transport locks.



Bolt Hole Pattern (Left Wing Shown)
Figure 1

2. Place tractor gear selector in park and/or set brakes, shut engine off and remove ignition key.
3. Disconnect main driveline from tractor PTO.

NOTE: Drilling holes is not necessary on models manufactured after Serial No. 536742. Skip to step 2 below if cutter Serial No. is 536743 or higher.

**Shredder/Fixed Blade/Baffle Kit
Kit No. 330-309A**

This Kit consist of Kits 330-114A and 330-308A. Therefore, see Kit No. 330-114A below for assembly instructions of the front baffles and Kit No. 330-308A on page 4 for assembly instructions of the shredder blades and fixed blades.

**Front Baffle Kit
Kit No. 330-114A**

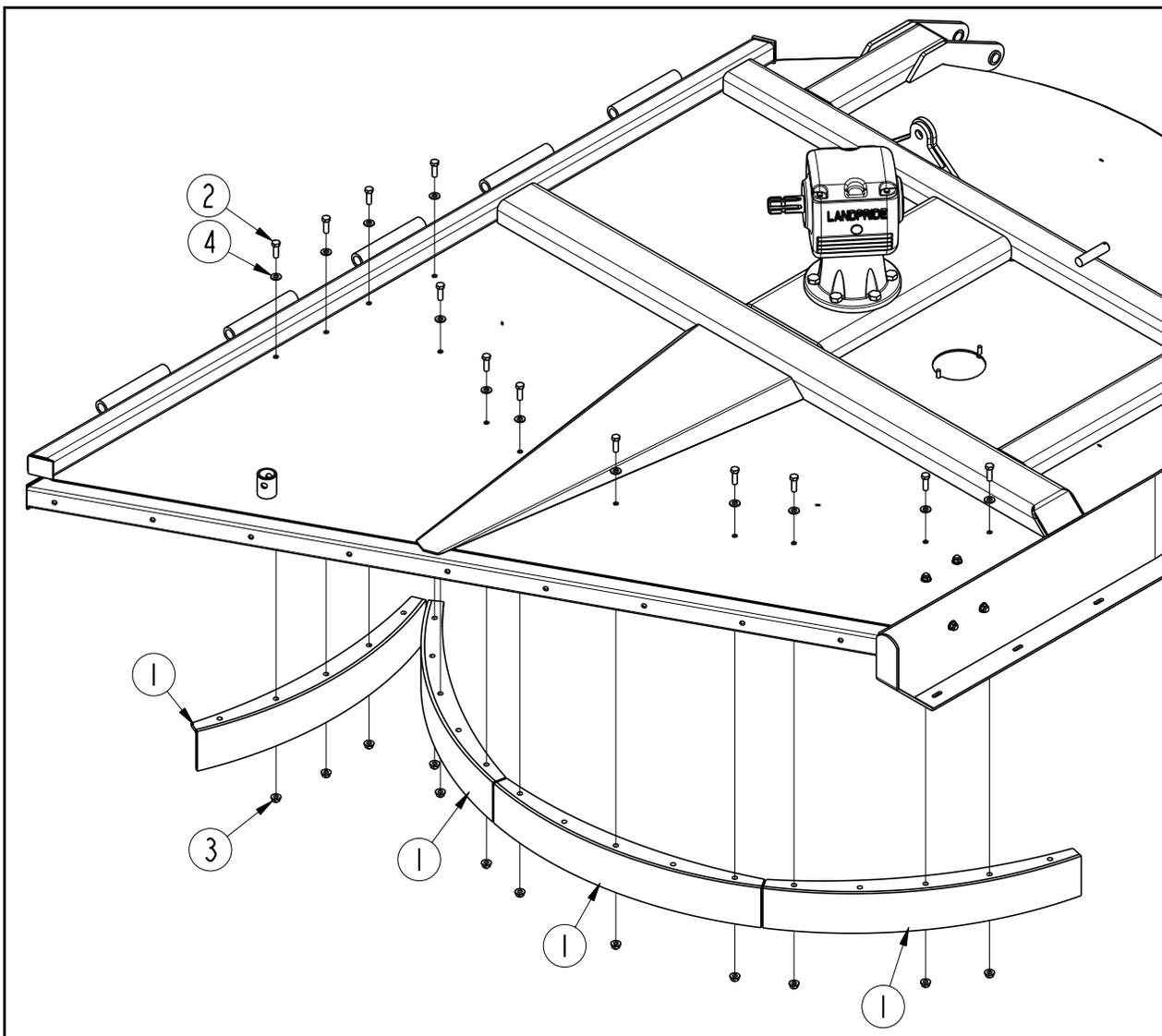
A detailed listing of parts for this accessory kit is provided on page 10. Use the list as a checklist to inventory parts received. Please contact your local Land Pride dealer for any missing hardware.

Refer to Figure 1 on page 2:

1. Locate and drill twelve 9/16" dia. holes on each wing deck as shown in Figure 1. If holes already exist, skip to step 2 below.

Refer to Figure 2:

2. The wings should be raised and locked into position for the remainder of the assembly.
3. Attach four front baffles (#1) to the left-hand wing deck with 1/2"-13 x 1 1/2" GR5 hex head bolts (#2), 1/2" flat washers (#4) and 1/2" hex whiz nut (#3).
4. Tighten nuts to 76 ft-lbs of torque.
5. Repeat steps 3 & 4 for the right-hand wing deck.



**Baffle Installation (Left Wing Shown)
Figure 2**

Shredder/Fixed Blade Kit Kit No. 330-308A

A detailed listing of parts for this accessory kit is provided on page 11. Use the list as a checklist to inventory parts received. Please contact your local Land Pride dealer for any missing hardware.

IMPORTANT: Read "Safety Information" on page 1 before installing shredder blades.

Refer to Figure 3 & Figure 4:

1. Remove all three existing blade carrier assemblies (not shown) from the gearbox output shafts (A & B). Keep flat washers (C), slotted hex nuts (D) and cotter pins (E) for reuse.

Right Wing Shredder Assembly (Part No. 330-228S)

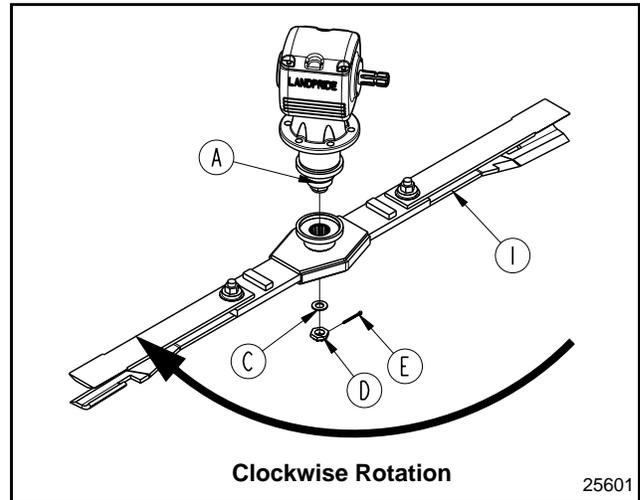
Refer to Figure 3:

1. Attach right wing shredder assembly (#1) to gearbox output shaft (A) with existing washer (C) and slotted hex nut (D). Torque slotted nut to 550 ft./lbs.
2. Install cotter pin (E) in the slotted nut and through output shaft (A). Secure cotter pin (E) by bending its legs around the nut.

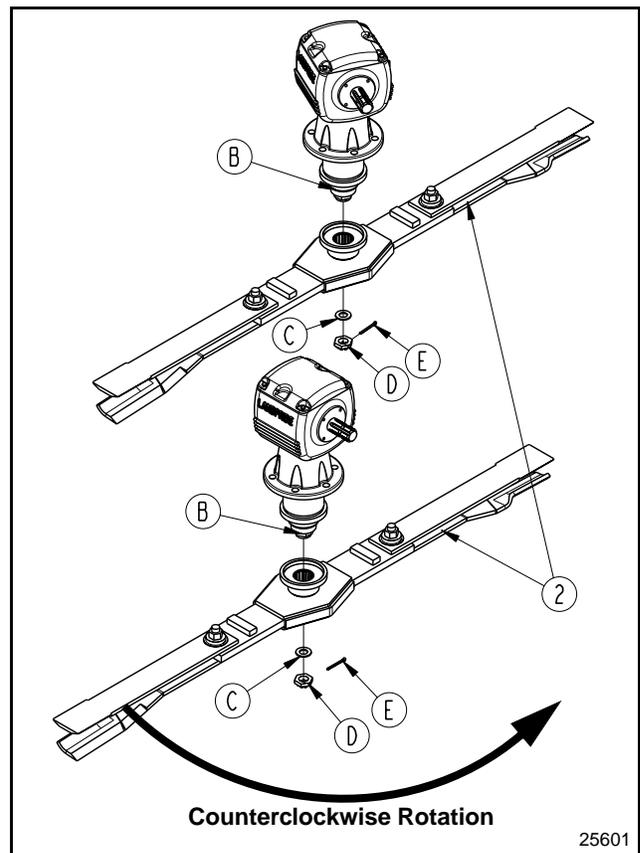
Center Deck & Left Wing Shredder Assembly (Part No's. 330-302S)

Refer to Figure 4:

1. Attach center deck and left wing shredder assemblies (#2) to gearbox output shafts (B) with existing washer (C) and slotted hex nut (D). Torque slotted nut to 550 ft./lbs.
2. Install cotter pin (E) in the slotted nut and through output shaft (B). Secure cotter pin (E) by bending its legs around the nut.



Right Wing Shredder Assembly (P/N 330-228S)
Figure 3



Center Deck Shredder Assembly (P/N 330-302S)
And Left Wing Shredder Assembly (P/N 330-302S)
Figure 4

Check Free Vertical Movement of Blades

Refer to Figure 5:

The cutting blades should not have more than 3/4" free vertical movement at the blade tips. If vertical movement exceeds 3/4", install or change to thicker spacers (#3) following steps 1 through 5.

Order spacers (#3) and locknuts (#7) from your nearest Land Pride Dealer.

IMPORTANT: Read "Safety Information" on page 1 before disassembling the shredder blades.

IMPORTANT: Locknuts can lose their ability to lock properly once removed. Always use a plain throwaway nut during pre-assembly of spacers.

IMPORTANT: Spacers (#3) are not required if vertical movement at blade tip is 3/4" or less without spacers. However, spacers are required if vertical movement at blade tip is greater than 3/4". **This is particularly important when using fixed blades.**

1. Check blade deflection. If vertical deflection at the blade tip is greater than 3/4", remove blade bolt (#6) and reassemble using thicker spacers (#3). Select spacer thickness based on deflection. The greater the deflection, the thicker the spacer required.
2. Assemble blades by inserting 1"-8 x 4 1/2" GR8 hex head bolt (#6) through blade bushing (#4), spacer (#3), lower cutting blade (#8 or #10), blade carrier (#5), upper flat cutting blade (#9), spacer (#3) and blade bushings (#4). Temporary secure blade with a plain hex nut (Plain hex nut furnished by customer.) **Draw nut up snug. Do not tighten.**
3. Check blade deflection. If deflection at the blade tips are greater than 3/4", remove blade bolt and reassemble as before with thicker spacers.
4. Once blade deflection is correct, **replace plain nut with supplied locknut (#7) & torque to 450 ft-lbs.**
5. Repeat "Check Free Vertical Movement of Blades" instructions for the remaining shredder blade assemblies.

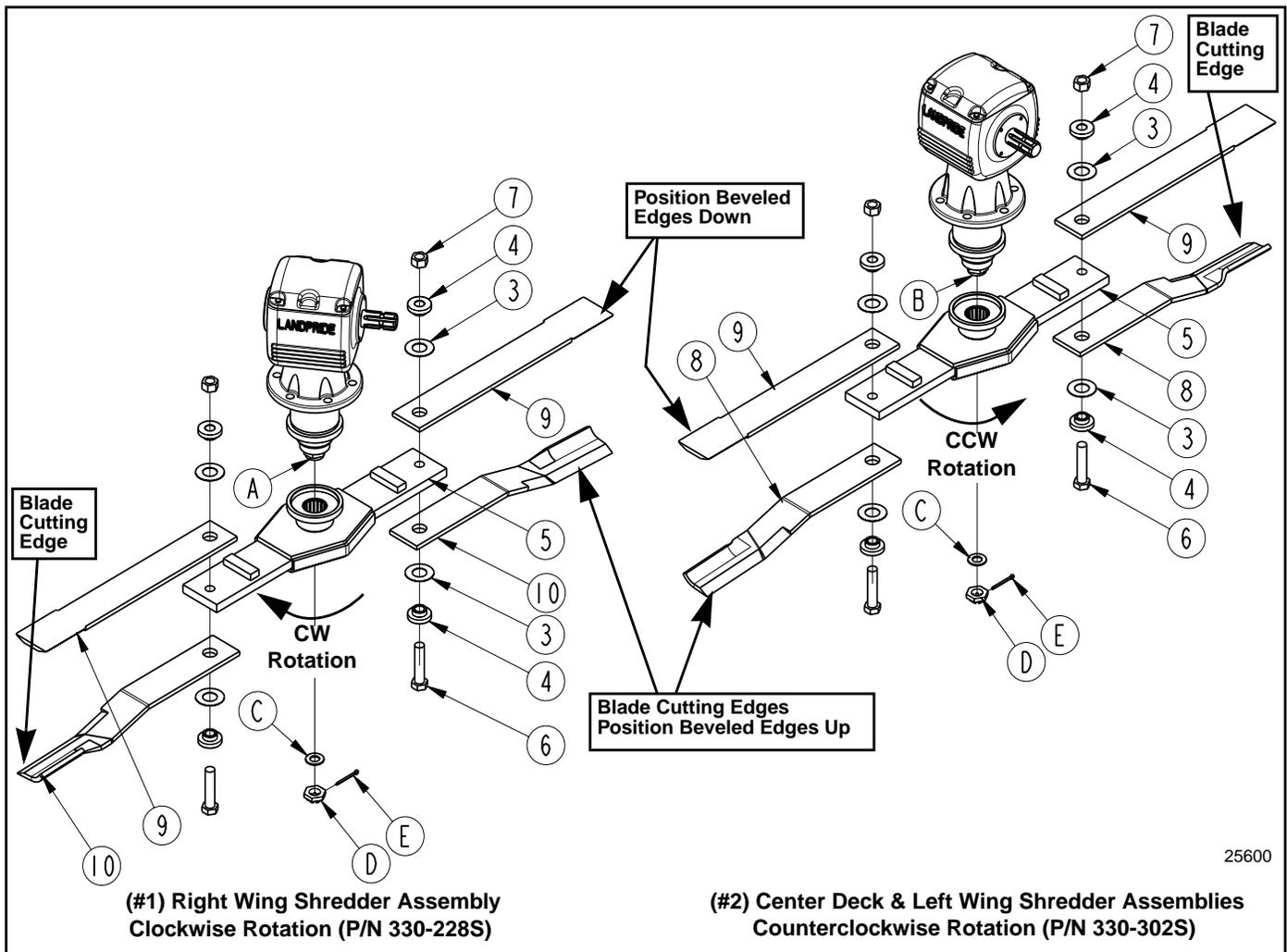


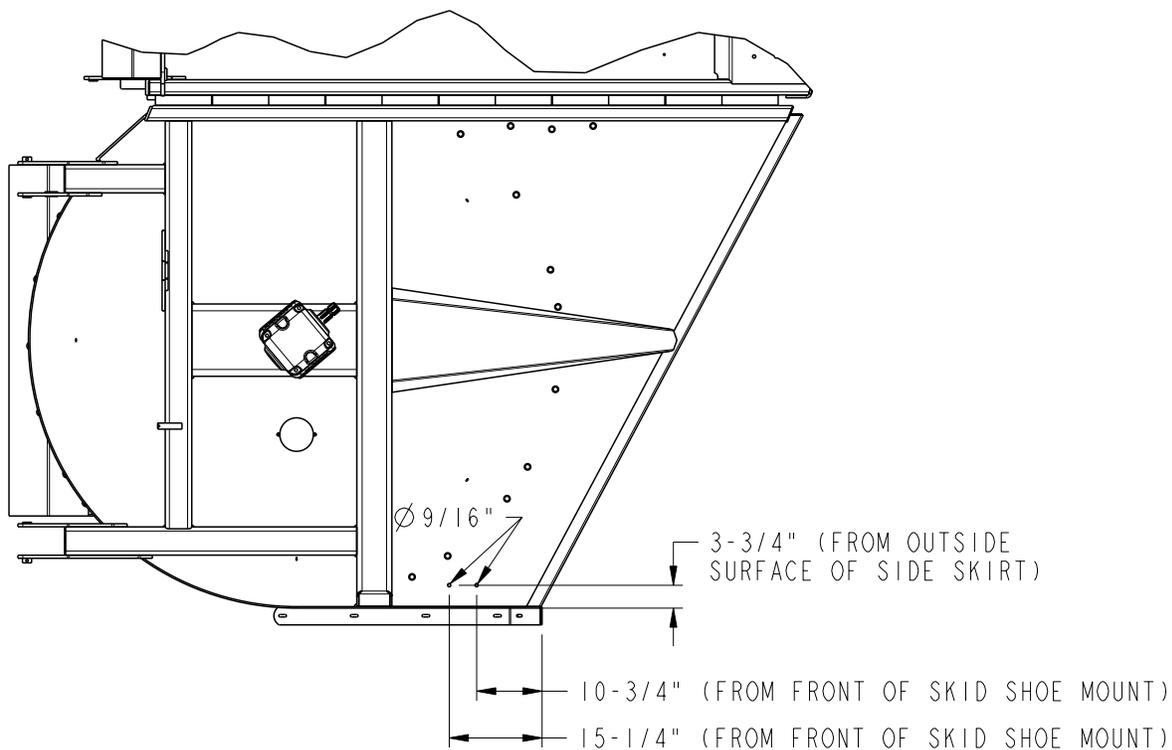
Figure 5

Fixed Blade Mounting Holes

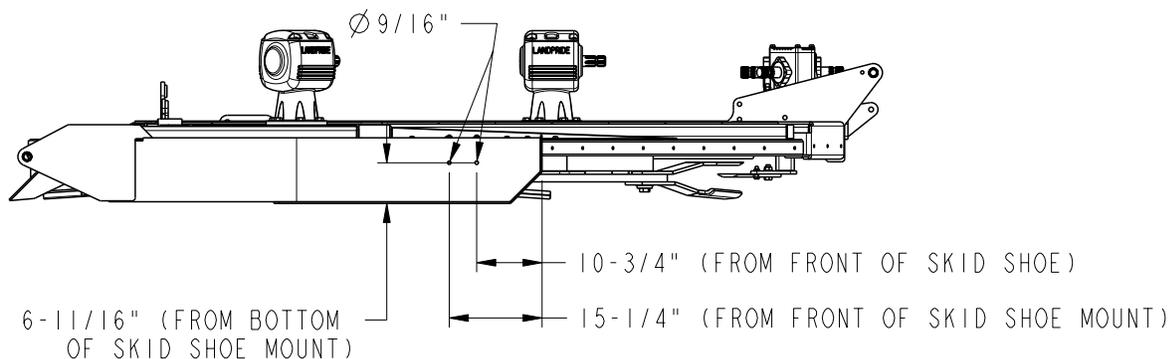
Refer to Figure 6:

The bolt holes for mounting fixed blades to the wing decks are not included on earlier models. See location of mounting holes below to determine if your cutter has the mounting holes. If mounting holes are present, skip to “Center Deck Fixed Blade Assembly” on page 7. If holes are missing, add them to the deck as follows:

1. Locate and drill four 9/16" dia. holes on the left wing deck as shown in Figure 1.
2. Repeat step 1 above for the right wing deck.



NOTE:
DRAWING IS DIMENSIONED WITHOUT
REPLACEABLE, BOLT-ON SKID SHOE



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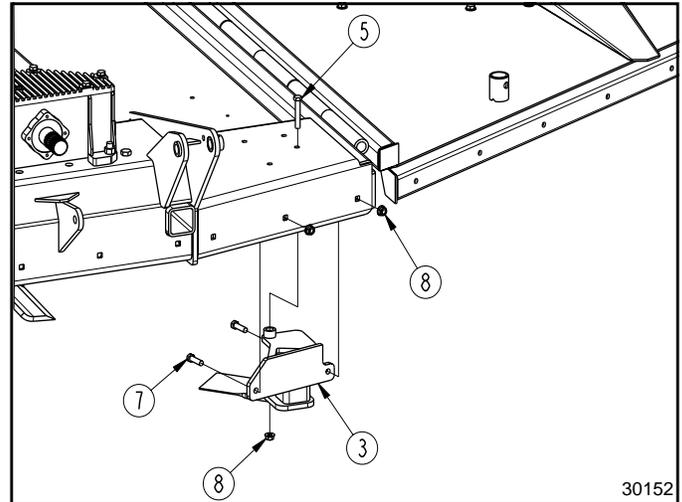
**Bolt Hole Pattern For Mounting Fixed Blades On The Wings (Left Wing Shown)
Figure 6**

**Center Deck Fixed Blade Assembly
(Part No. 330-304K)**

Refer to Figure 7:

Attach center fixed blade assembly (#3) to the left front corner of the center deck as follows:

1. Remove existing skid shoe bolt (#5) and discard.
2. Insert 1/2"-13 x 3" GR5 hex head cap screw (#5) through top of deck and fixed blade assembly (#3). Secure cap screw with hex whiz nut (#8).
3. Insert two 1/2"-13 x 1 3/4" GR5 hex head cap screws (#7) through the fixed blade assembly and out the front of the center deck. Secure cap screw with hex whiz nut (#8).
4. Tighten hex whiz nuts to 76 ft-lbs.



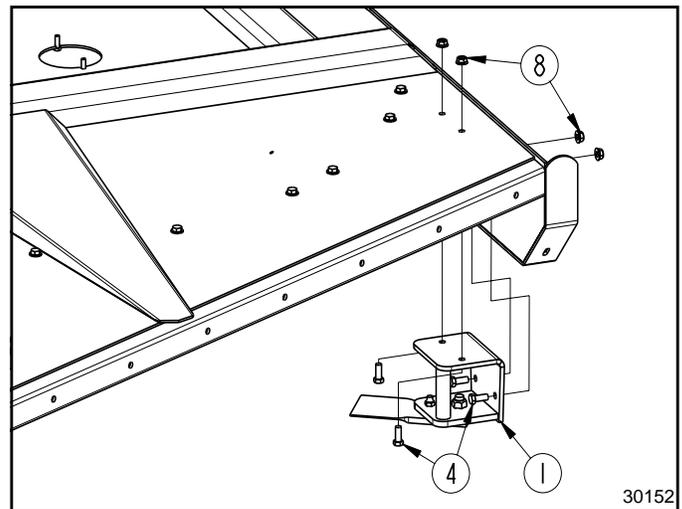
**Center Deck Fixed Blade Assembly (P/N 330-304K)
Figure 7**

**Left Wing Fixed Blade Assembly
(Part No. 330-305K)**

Refer to Figure 8:

Attach left wing fixed blade assembly (#1) to the left front corner of the wing deck as follows:

1. Insert two 1/2"-13 x 1 1/4" GR5 hex head cap screws (#4) up through the fixed blade assembly (#1) and through the top of the left wing deck. Secure cap screw with hex whiz nut (#8).
2. Insert two 1/2"-13 x 1 1/4" GR5 hex head cap screws (#4) through the fixed blade assembly side plate and through the side of the left wing deck. Secure cap screw with hex whiz nut (#8).
3. Tighten hex whiz nuts to 76 ft-lbs.



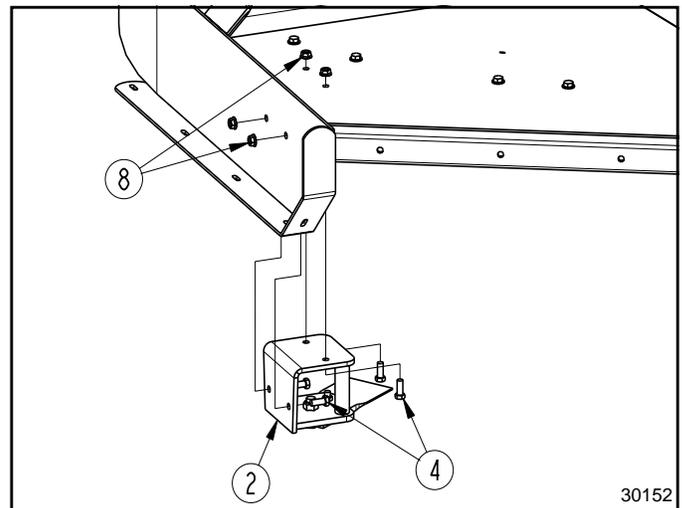
**Left Wing Fixed Blade Assembly (P/N 330-305K)
Figure 8**

**Right Wing Fixed Blade Assembly
(Part No. 330-306K)**

Refer to Figure 9:

Attach right wing fixed blade assembly (#2) to the right front corner of the wing deck as follows:

1. Insert two 1/2"-13 x 1 1/4" GR5 hex head cap screws (#4) up through the fixed blade assembly (#2) and through the top of the right wing deck. Secure cap screw with hex whiz nut (#8).
2. Insert two 1/2"-13 x 1 1/4" GR5 hex head cap screws (#4) through the fixed blade assembly side plate and through the side of the right wing deck. Secure cap screw with hex whiz nut (#8).
3. Tighten hex whiz nuts to 76 ft-lbs.



**Right Wing Fixed Blade Assembly (P/N 330-306K)
Figure 9**

Rear Baffle Kit Kit No. 330-585A

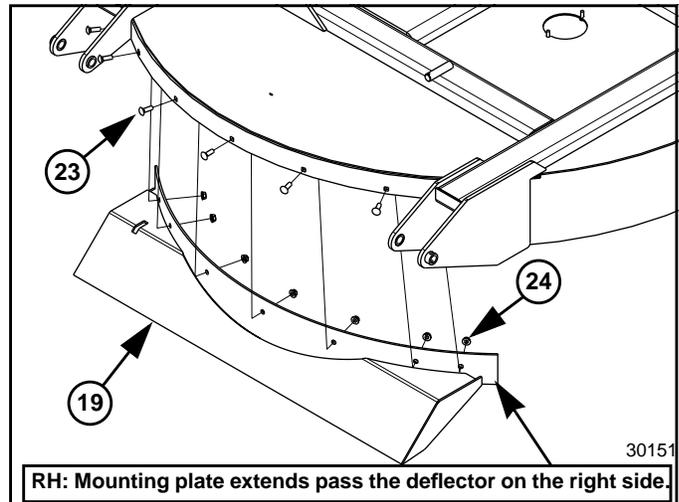
A detailed listing of parts for this accessory kit is provided on page 11. Use the list as a checklist to inventory parts received. Please contact your local Land Pride dealer for any missing hardware.

IMPORTANT: Existing rear guards will need to be removed to install this kit. Be sure to save all hardware with the guards should you choose to reinstall the guards later. **Do not operate cutter without either the baffle or guard in place.**

Right Rear Baffle Assembly (Part No. 330-620K)

Refer to Figure 10:

1. Locate right-hand rear baffle (#19). It is the baffle with mounting plate extending pass the deflector on the right side as shown. The mounting plate is flush with the deflector on the left side.
2. Install right-hand rear baffle (#19) at the back of the right wing deck by inserting 1/2"-13 x 1 1/2" GR5 round-head, square-neck bolts (#23) through the deck's rear curved plate first and then through the rear baffle mounting plate as shown.
3. Secure bolt with hex whiz nuts (#24) and torque to 76 ft-lbs.

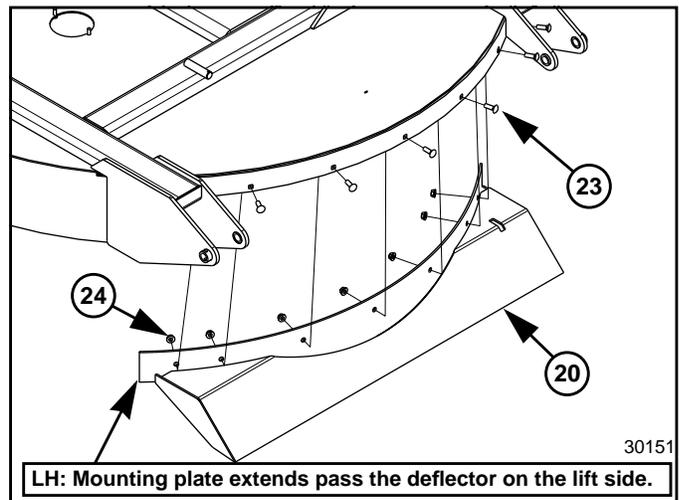


Right-Hand Rear Baffle Assembly (P/N 330-620K)
Figure 10

Left Rear Baffle Assembly (Part No. 330-621K)

Refer to Figure 11:

1. Locate left-hand rear baffle (#20). It is the baffle with the mounting plate extending pass the deflector on the left side as shown. The mounting plate is flush with the deflector on the right side.
2. Install left-hand rear baffle (#20) at the back of the left wing deck by inserting 1/2"-13 x 1 1/2" GR5 round-head, square-neck bolts (#23) through the deck's rear curved plate first and then through the rear baffle mounting plate as shown.
3. Secure bolts with hex whiz nuts (#24) and torque to 76 ft-lbs.

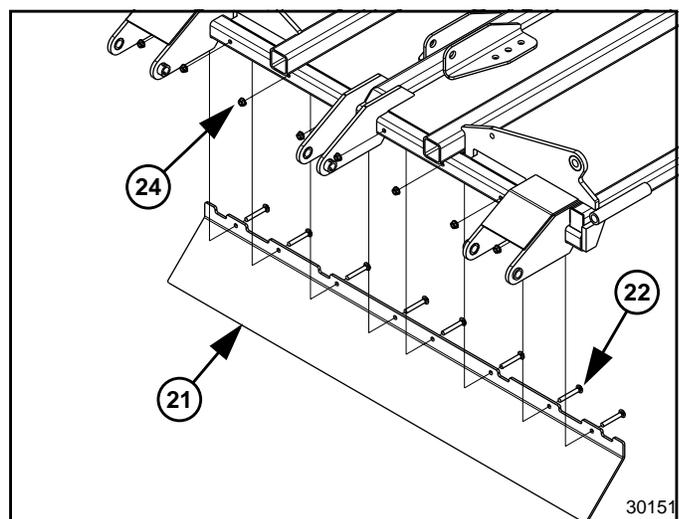


Left-Hand Rear Baffle Assembly (P/N 330-621K)
Figure 11

Center Rear Baffle Assembly (Part No. 330-622K)

Refer to Figure 12:

1. Install center rear baffle (#21) at the back of the center deck by inserting 1/2"-13 x 3 1/2" GR5 round-head, square-neck bolts (#22) through the center baffle first and then through the rear square tubing as shown.
2. Secure bolts with hex whiz nuts (#24) and torque to 76 ft-lbs.



Center Rear Baffle Assembly (P/N 330-622K)
Figure 12

Notes

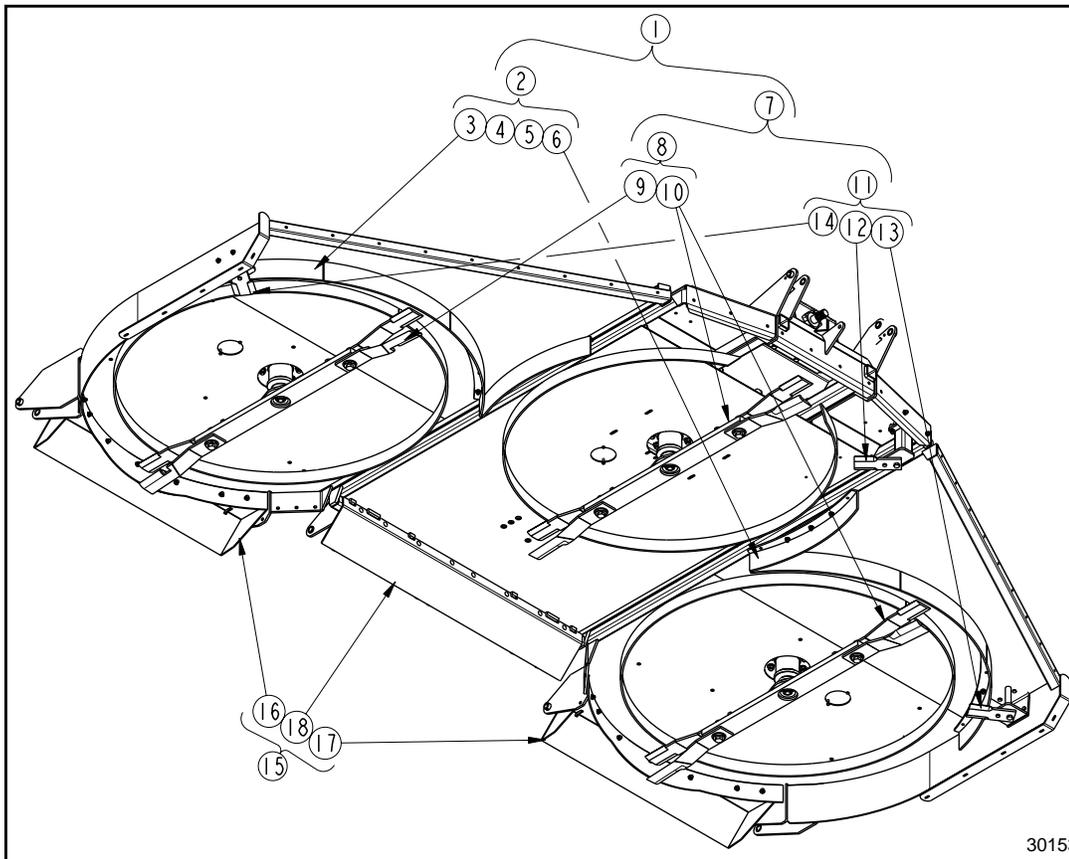


Figure 13

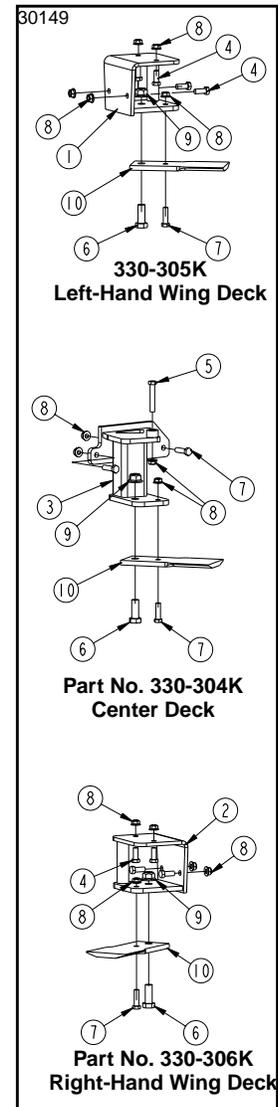


Figure 14

Kit No. 330-309A SHREDDER/FIXED BLADE/BAFFLE

Item	Qty.	Part No.	Part Description
<i>Refer to Figure 13</i>			
1	1	330-309A	SHEDDER/FIXED BLADE/BAFFLE (Consist of items 2 & 7)
2	1	330-114A	ASSEMBLY, 5020 BAFFLE KIT
7	1	330-308A	SHREDDER/FIXED BLADE 5020'

Kit No. 330-114A BAFFLES, FRONT

Item	Qty.	Part No.	Part Description
<i>Refer to Figure 13</i>			
2	1	330-114A	RC5020 BBAFFLE ASSEMBLY KIT (Consist of items 3 thru 6 and Installation Manual)
3	8	330-095H	BAFFLE 5020
4	24	802-091C	HHCS 1/2-13X1 1/2 GR5
5	24	803-037C	NUT HEX WHIZ 1/2-13 PLT
6	24	804-016C	WASHER FLAT 1/2 SAE PLT
	1	330-625M	BAFFLE KIT INSTALLATION MANUAL

Kit No. 330-308A SHREDDER/FIXED BLADE

Item	Qty.	Part No.	Part Description		
Refer to Figure 13					
7	1	330-308A	SHREDDER/FIXED BLADE 520 (Consist of items 8 & 11)		
8	1	330-303L	SHREDDER KIT 5020 (Consist of items 9 & 10)		
9	1	330-228S	84" CW BLADE CARRIER ASSEMBLY		
10	2	330-302S	84" CCW BLADE CARRIER ASSEMBLY		
11	1	330-307L	FIXED BLADE ASSEMBLY (Consist of items 12, 13 & 14)		
12	1	330-304K	CENTER DECK FIXED BLADE ASSEMBLY		
13	1	330-305K	LEFT-HAND WING DECK FIXED BLADE ASSEMBLY		
14	1	330-306K	RIGHT-HAND WING DECK FIXED BLADE ASSEMBLY		
Refer to Figure 5 on page 5:					
(#1) Components for 330-228S CW Blade Assembly (Quantities shown are for one Assembly)					
3	4	312-075D	BLADE SPACER 16 GA		
3	4	312-082D	BLADE SPACER 18 GA		
3	4	312-089D	BLADE SPACER 20 GA.		
3	4	312-808D	BLADE SPACER 24GA		
4	4	318-309D	BLADE BUSHING		
5	1	330-227H	BLADE BAR 43"		
6	2	802-680C	HHCS 1-8 X 4 1/2 PLT GR8		
7	2	803-168C	NUT HEX TOP LOCK 1-8 PLT		
9	2	820-377C	CUTTER BLADE 1/2 x 4 x 23.5 FLAT		
10	2	820-170C	CUTTER BLADE 1/2 x 4 x 23 CW		
<table border="0" style="width: 100%;"> <tr> <td style="border-right: 1px solid black; padding-right: 5px;"> A maximum of four spacers are used per assembly. </td> <td style="padding-left: 5px;"> } </td> </tr> </table>				A maximum of four spacers are used per assembly.	}
A maximum of four spacers are used per assembly.	}				
(#2) Components for 330-302S CCW Blade Assembly (Quantities shown are for one Assembly)					
3	4	312-075D	BLADE SPACER 16 GA		
3	4	312-082D	BLADE SPACER 18 GA		
3	4	312-089D	BLADE SPACER 20 GA.		
3	4	312-808D	BLADE SPACER 24GA		
4	4	318-309D	BLADE BUSHING		
5	1	330-227H	BLADE BAR 43"		
6	2	802-680C	HHCS 1-8 X 4 1/2 PLT GR8		
7	2	803-168C	NUT HEX TOP LOCK 1-8 PLT		
8	2	820-169C	CUTTER BLADE 1/2 x 4 x 23 CCW		
9	2	820-377C	CUTTER BLADE 1/2 x 4 x 23.5 FLAT		
<table border="0" style="width: 100%;"> <tr> <td style="border-right: 1px solid black; padding-right: 5px;"> A maximum of four spacers are used per assembly. </td> <td style="padding-left: 5px;"> } </td> </tr> </table>				A maximum of four spacers are used per assembly.	}
A maximum of four spacers are used per assembly.	}				
Refer to Figure 14 on page 10:					
Components for 330-307L Fixed Blade Assembly (Quantities shown are for all 3 Blade Assemblies)					
1	1	330-299H	BRACKET, FIXED BLADE LH		
2	1	330-300H	BRACKET, FIXED BLADE RH		
3	1	330-301H	BRACKET, FIXED BLADE 20' CENTER DECK		
4	8	802-034C	HHCS 1/2-13X1 1/4 GR5		
5	1	802-039C	HHCS 1/2-13X3 GR5		
6	3	802-064C	HHCS 3/4-10X2 GR5		
7	5	802-082C	HHCS 1/2-13X1 3/4 GR5		
8	14	803-037C	NUT HEX WHIZ 1/2-13 PLT		
9	3	803-299C	NUT HEX FLG TOP LK 3/4-10 PLT		
10	3	820-373C	CUTTER BLADE 1/2X4X10.25CW/CCW		

Kit No. 330-585A BAFFLES, REAR

Item	Qty.	Part No.	Part Description
Refer to Figure 13			
15	1	330-585A	BAFFLES, REAR (Consist of items 16, 17 & 18)
16	1	330-620K	BAFFLE ASSEMBLY, RH REAR
17	1	330-621K	BAFFLE ASSEMBLY, LH REAR
18	1	330-622K	BAFFLE ASSEMBLY, CENTER REAR
Refer to Figure 10, Figure 11 & Figure 12 on page 8:			
Components for 330-585A Rear Baffles (Quantities shown are for all 3 Rear Baffles)			
19	1	330-617H	REAR BAFFLE RH
20	1	330-618H	REAR BAFFLE LH
21	1	330-159D	DEFLECTOR CENTER
22	8	802-585C	RHSNB 1/2-13X3 1/2 GR5 PLT
23	14	802-106C	RHSNB 1/2-13X1 1/2 GR5
24	22	803-037C	NUT HEX WHIZ 1/2-13 PLT



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