PROFESSIONAL BAGGING SYSTEM

MODEL# WBS2 / EBS



DESIGNED FOR THE EDGE/EDGE XLT & WRANGLER



OPERATOR'S MANUAL

ASSEMBLY • OPERATION • MAINTENANCE

MANUAL#: Q0468 v6.00 10/08/2019

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SAFETY

- **1.** Read the operator's manual carefully and familiarize yourself with the proper use of your attachment. Do not allow anyone who is not acquainted with the Safety Instructions to use your attachment.
- 2. Know the controls and how to stop them quickly. READ THE OPERATOR'S MANUAL!
- 3. Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.
- **4.** Be especially watchful of children and pets entering into the area while operating.
- **5.** Keep your eyes and mind on your machine while mowing or operating your attachment. Don't let others distract you.
- **6.** Do not attempt to operate your machine when not in the driver's seat.
- **7.** Always shut off blades and engine when emptying the container.
- **8.** Stop machine, shut off deck attachment, set parking brake, shut off engine and remove ignition key before removing clogs, removing or replacing hose, boot, blower cone, or performing any maintenance.
- **9.** Mow across the face of slopes (not more than 10 degrees); never up and down the face.
- **10.** It is recommended that the container be emptied when half full while operating on slopes. Start mowing on slopes when the container is empty.
- **11.** Inspect your lawn and remove any foreign objects before mowing. Never deliberately run the mower across any foreign object.
- **12.** Wear hearing protection.
- **13.** Wear eye protection to prevent debris from getting into your eyes.

SAFETY

WARNING! NEVER operate the mower unless the discharge guard and either the deflector assembly or the vacuum collector adapter are fastened securely in place.

WARNING! Do not work around the mower deck boot or the blower area until you are certain that the mower blades and the blower impeller have stopped rotating.

WARNING! To avoid serious injury, perform maintenance on the vacuum collector; **ONLY AFTER STOPPING THE MOWER'S ENGINE AND WAITING FOR ALL MOVING PARTS TO COME TO A COMPLETE STOP.** Set the parking brake. Always remove the ignition key before beginning maintenance.

WARNING! For your own personal safety, ALWAYS mow ACROSS the face of slopes and NEVER UP and DOWN the face. NEVER attempt to mow excessively steep slopes, and use caution when turning on any slope.

Safety Alert Symbol



This Safety Alert Symbol means: "ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!"

This symbol is used to call attention to safety precautions that Should be followed by the operator to avoid accidents. When you see this symbol, carefully read the message that follows and heed its advice. Failure to comply with safety precautions could result in death or serious bodily injury.

Safety Signs

The signal words **DANGER, WARNING,** and **CAUTION** are used on the equipment safety signs. These words are intended to alert the viewer to the existence and the degree of hazard seriousness.



This signal word indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury.

White letters on RED



This signal word indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Black letters on **ORANGE**

It may also be used to alert against unsafe practices.



This signal word indicates a potentially hazardous situation which, if not avoided, will result in minor or moderate injury.

It may also be used to alert against unsafe practices.

Black letters on YELLOW

COUNTRY CLIPPER LIMITED WARRANTY FOR NEW PRODUCTS

- **A. WHAT IS WARRANTED?** Country Clipper extends the following warranties to the original purchaser of each new Country Clipper bagging system subject to the following limitations:
- 1. PRODUCT WARRANTY: Any part of the bagging system, which is defective in material or workmanship as delivered to the purchaser will be repaired or replaced, as Country Clipper elects, without charge for parts or labor, if the defect appears within 12 months from the date of delivery of the product to the original purchaser. ALL DEFECTIVE PARTS MUST BE RETURNED TO COUNTRY CLIPPER FOR INSPECTION TO DETERMINE VALIDITY OF WARRANTY CLAIMS. Freight and mailing will be borne by the customer.
- **2. PARTS REPLACED DURING WARRANTY:** Any new Country Clipper bagging system which is furnished in performance of this warranty and is defective in material or workmanship as delivered to the purchaser will be repaired or replaced, as Country Clipper elects, without charge if the defect appears within 90 days from the date of installation of such part or before the expiration of the original warranty period, whichever is later.
- **B. SECURING WARRANTY ADJUSTMENTS:** Call Country Clipper for Return Authorization. Damaged or broken parts, other than engines or batteries, must be returned to Country Clipper Division of Shivvers Mfg. Inc., 613 W. English, Corydon, IA, 50060 before any warranty adjustment can be authorized. At the time of requesting warranty adjustment, the purchaser must present evidence for date of delivery of the product. The purchaser shall pay any charge for the product to and from Corydon, IA.
- **C. ITEMS NOT COVERED BY COUNTRY CLIPPER WARRANTY:** Engines, batteries, and gearboxes attached to Country Clipper products are covered under a separate warranty by the respective manufacturer.
- **D. UNAPPROVED ALTERATION OR MODIFICATION:** All obligations of Country Clipper, under this warranty, shall be terminated if products are altered or modified in ways not approved by Country Clipper.
- **E. ACCIDENTS AND NORMAL MAINTENANCE:** The warranty covers only defective material and workmanship. It does not cover depreciation or damage caused by normal wear, accident, improper use or abuse of products. The cost of normal maintenance and normal replacement of service items such as belts, cutting blades, hoses, etc., which are not defective shall be paid for by the purchaser.
- F. NO REPRESENTATIONS ADDITIONAL WARRANTIES, DISCLAIMER: Neither Country Clipper nor any company affiliated with it makes any warranties, representations or promises as to the quality of performance of its products other than those set forth herein. Except as described above, Country Clipper makes no other warranties AND SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF FITNESS AND MERCHANTABILITY.
- G. ANY MACHINE USED FOR RENTAL PURPOSES ARE GUARANTEED FOR 45 DAYS FROM DATE OF ORIGINAL SALE ONLY.
- H. REMEDIED EXCLUSIVE: The only remedies the purchaser has in connection with the breach or performance of any warranty on Country Clipper bagging systems are set forth above. In no event will Country Clipper be liable for special incidental or consequential damages.
- 1. NO SERVICE CENTER WARRANTY: The selling Service Center makes no warranty on his own on any item warranted by Country Clipper unless he delivers to purchaser a separate written warranty certificate specifically warranting the item. The dealer has no authority to make any representation or promise on behalf of Country Clipper or to modify the terms of this warranty in any way.

Section I

INTRODUCTION & DESCRIPTION

1-1 Introduction

Your grass collection system has been designed to give you a low maintenance, simple, and effective way to collect the grass clippings from your mower. This manual is provided to give you the necessary instructions to properly mount and operate the collection system on your mower. Please read this manual thoroughly. Understand what each control is for and how to use it. Observe all safety decal precautions on the machine and noted throughout the manual.

NOTE: All references made to right, left, front, rear, top or bottom are as viewed from the normal operator's position on the mower.

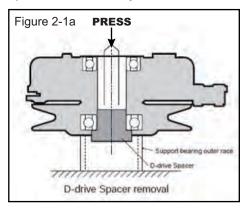
1-2 Description

The grass collection system is designed for turf maintenance where there is a need to collect the grass clippings as the mower cuts the turf. It is also used for picking up leaves in pre-season and post-season cleanup. The blower, mounted on the right side of the unit, uses a belt and gearbox system from the engine PTO shaft. Drive train protection comes through belt slippage. The blower draws grass clippings from the discharge area of the cutting deck back to the (2) - 4 cubic foot collection bags P#(G0003) at the rear portion of the mower frame. The operator can engage the blower with a spring-lock engagement handle on the right side of the unit. Once the bags are full with clippings, they can be easily released for dumping.

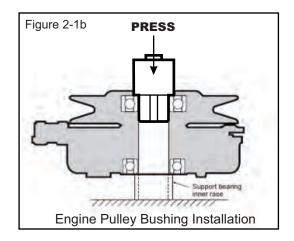
Section II INSTALLATION FOR USE

2-1 Preparation Of Mower

Remove the PTO belt. From the underside of the engine, disconnect the wiring harness attached to the electric clutch. Remove the bolt and electric clutch from the mower. Remove the D-drive spacer using an arbor press or equivalent. On removal, adjacent bearing OUTER race must be supported or bearing damage may occur. Refer to Figure 2-1a.



The engine pulley bushing must be installed using an arbor press or equivalent. Upon Installation, opposite bearing inner race must be supported or bearing damage may occur. Refer to Figure 2-1b.



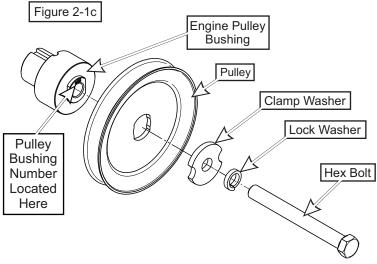
NOTE: Refer to your Country Clipper parts manual for reference during this step.

Detach the deck tension spring shown in Figure 2-1d, on page 6. Remove the engine guard, bumper braces and muffler guard (if equipped) from the rear frame of the mower. Save the hardware for use during the frame bracket installation. Refer to Figure 2-1d on page 6 for reference.

Once the Engine Pulley Bushing is installed, reattach the clutch assembly to the mower and then review Figure 2-1c.

Wrangler Series

Fasten the engine pulley bushing stamped with #12 P#(S0197) to the electric clutch assembly using (1) Clamp Washer P#(K0278), (1) 7/16" lock washer P#(K0140), and 7/16"-20 x 4" hex bolt P#(K0359). Torque the bolt to 55 ft./lbs. The added pulley will power the collection system and should resemble Figure 2-1e when installed.



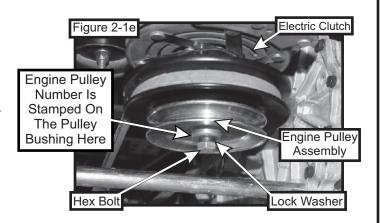
2-1 Preparation of Mower Cont.

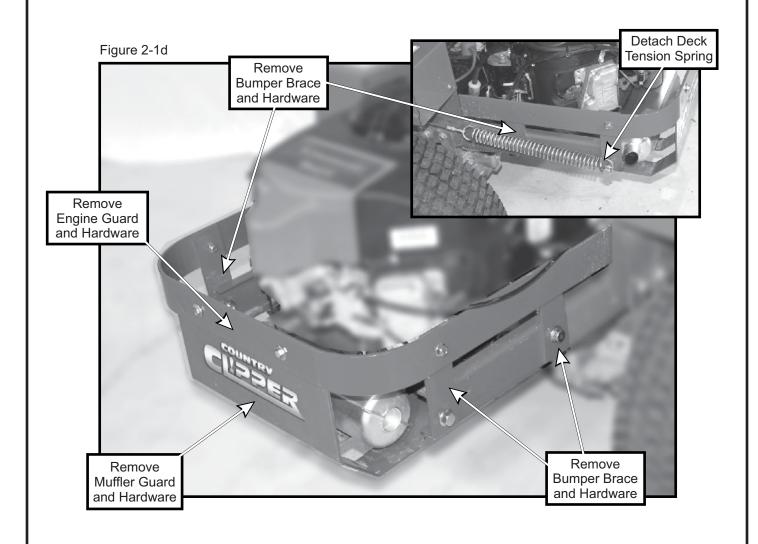
Edge Series w/ KW FS651V

Fasten the engine pulley assembly stamped with #12 P#(S0197) to the electric clutch assembly using (1) Clamp Washer P#(K0278), (1) 7/16" lock washer P#(K0140), and 7/16"-20 x 4" hex bolt P#(K0359). Torque the bolt to 55 ft./lbs. The added pulley will power the collection system and should resemble Figure 2-1e when installed.

Edge Series w/ 27HP Kohler & Edge XLT Series

Fasten the engine pulley assembly stamped with #6 P#(S0191) to the electric clutch assembly using (1) Clamp Washer P#(K0278), (1) 7/16" lock washer P#(K0140), and 7/16"-20 x 4" hex bolt P#(K0359). Torque the bolt to 55 ft./lbs. The added pulley will power the collection system and should resemble Figure 2-1e when installed.





2-2 Left and Right Frame Bracket Installation

Secure the left frame bracket P#(B0809) and right frame bracket P#(B0810) to the rear frame of the mower using the hardware removed from the engine guard. Refer to Figure 2-2a.

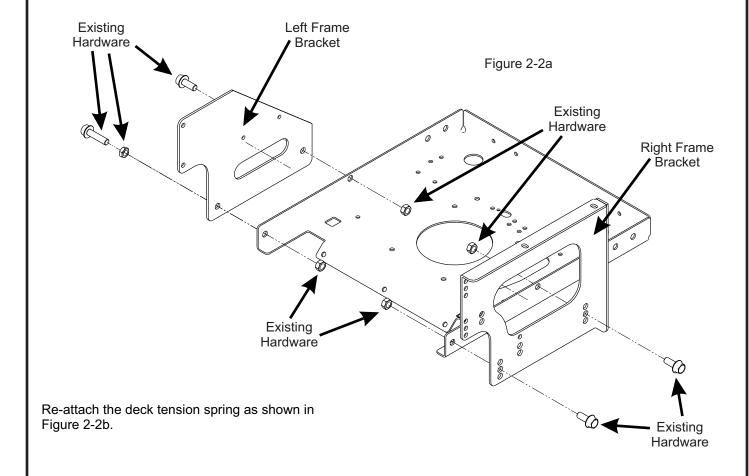
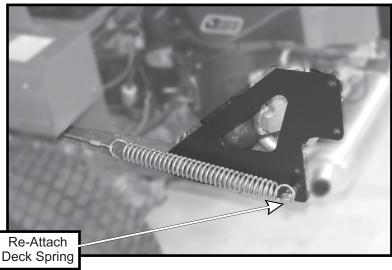
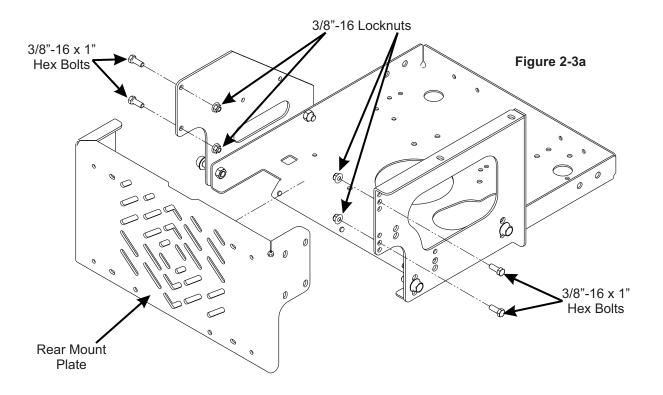


Figure 2-2b



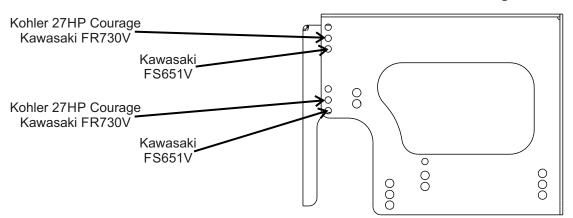
2-3 Rear Mount Plate Installation

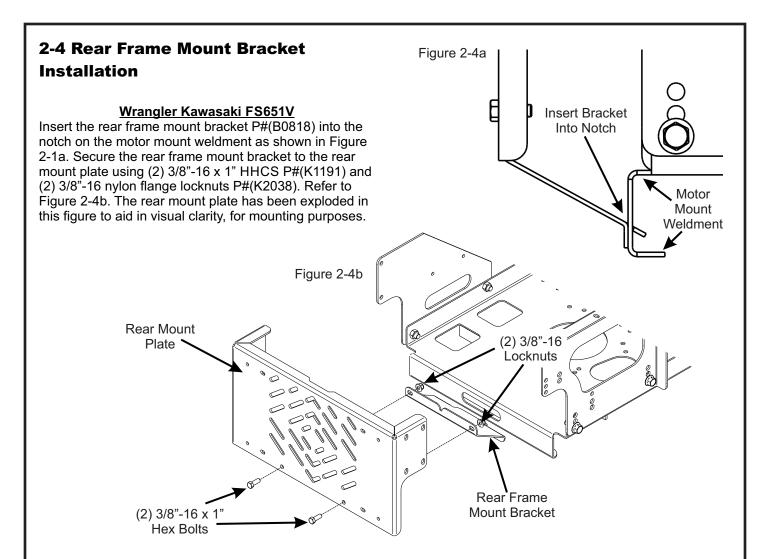
Install the rear mount plate to the left and right frame bracket using (4) 3/8"-16 x 1" HHCS P#(K1191) and (4) 3/8"-16 nylon flange locknuts P#(K2038) as shown in Figure 2-3a.



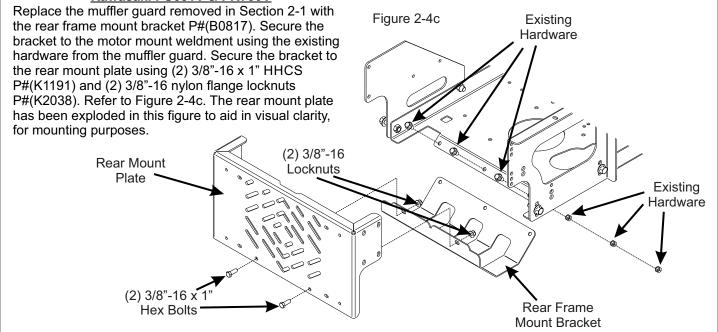
Refer to Figure 2-3b for mounting hole locations specific to your engine option.

Figure 2-3b





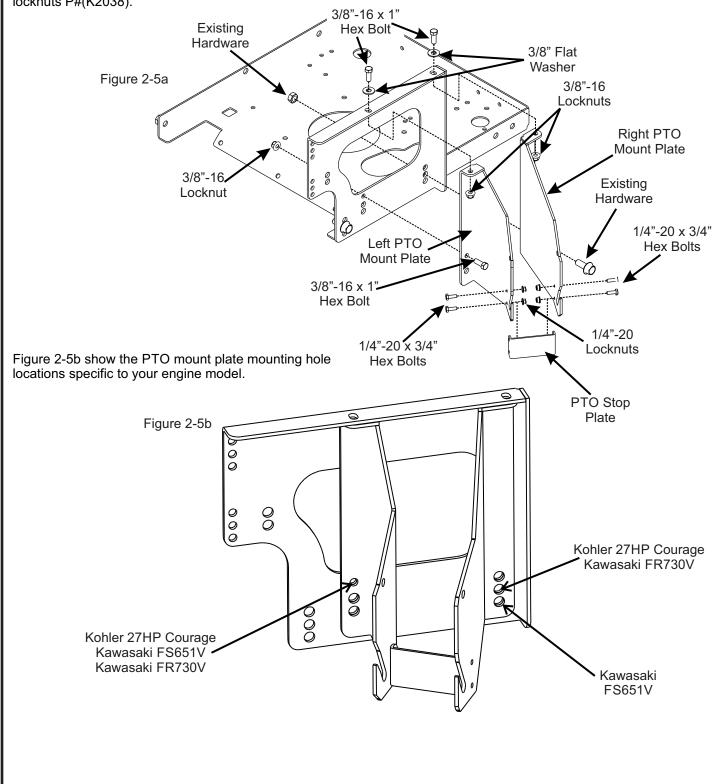
Wrangler Kohler 22HP Edge / Edge XLT Kohler 22HP & 27HP Kawasaki FS651V & FR730V



2-5 PTO Mount Plate Component Installation

Secure the left PTO mount plate P#(B0811) to the right frame bracket using (2) 3/8"-16 x 1" HHCS P#(K1191), (2) 3/8" flat washers P#(K0047) and (2) 3/8"-16 nylon flange locknuts P#(K2038). Leave the hardware slightly loose until the PTO stop plate is installed. Secure the right PTO mount plate P#(B0812) to the right frame bracket using (1) 3/8"-16 x 1" HHCS P#(K1191), (1) 3/8" flat washers P#(K0047) and (1) 3/8"-16 nylon flange locknuts P#(K2038).

Secure the lower mount hole on the right PTO mount plate with existing 1/2"-13 hex bolt and nut removed from the bumper brace. Secure the PTO stop plate P#(B0733) to the left and right PTO mount plates using (4) 1/2"-20 x 3/4" HHCS P#(K1222) and (4) 1/4"-20 nylon flange locknuts P#(K2014). Refer to Figure 2-5a. Tighten all PTO component hardware at this time.



2-6 PTO Assembly Installation & Exhaust Diverter Installation

Insert the PTO Assembly P#(A1840) into the PTO mount plates. Remove the gearbox pulley guard and wrap the kevlar belt P#(M0248) around the engine pulley and gearbox pulley. Rotate the PTO assembly towards the mower frame and align the mount holes in the PTO assembly with the mount holes in the PTO mount plates. Secure the PTO assembly with (1) PTO mount pin P#(B0274) and (1) hair pin clip P#(K0086). Replace the gearbox pulley guard. Refer to Figure 2-6a. Follow the procedures in Section 2-7 for proper belt tensioning.

Wrangler Series with 22HP Kohler Courage engines must have an exhaust diverter P#(J0293) installed. Position the exhaust diverter so that the exhaust is not blowing on the collection bags or the ground. Secure the diverter with (1) exhaust clamp P#(X1064). Refer to Figure 2-6b.

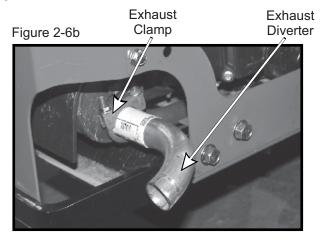
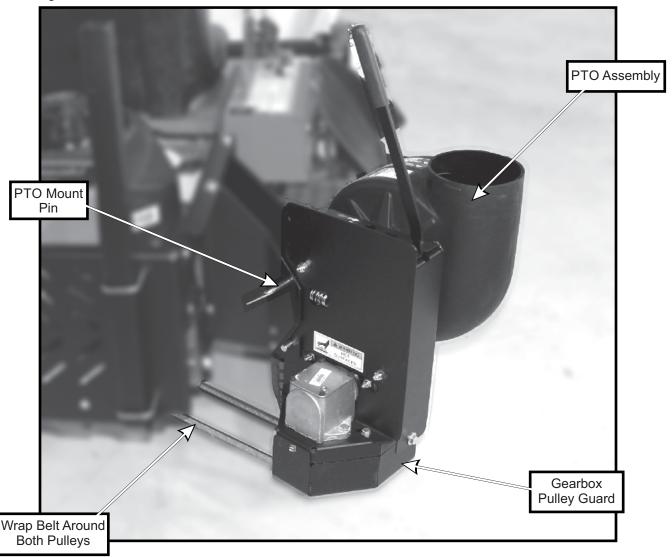


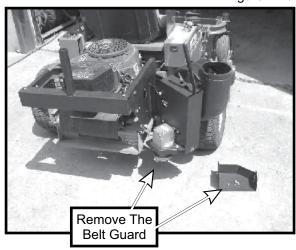
Figure 2-6a



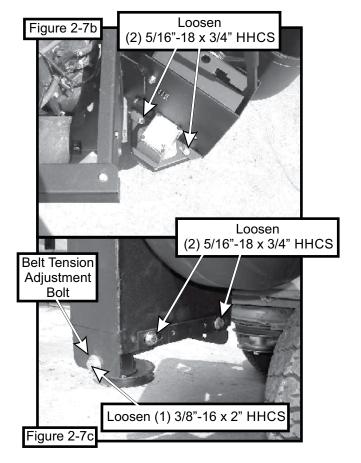
2-7 Belt Installation/Removal and Adjustment

Remove (3) 1/4"-20 x 1/2" HHSTS P#(K0353) from the gearbox pulley guard located on the bottom of the PTO assembly as shown in Figure 2-7a.

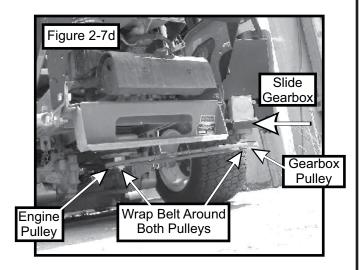
Figure 2-7a



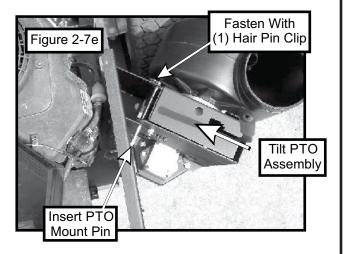
Loosen the (4) 5/16"-18 x 3/4" HHCS P#(K1153) that secure the gearbox assembly to the PTO assembly. Loosen the belt tension adjustment bolt (1) 3/8"-16 x 2" HHCS P#(K1208). Refer to Figure 2-7b and 2-7c.



After loosening the hardware in Figure 2-7b and 2-7c, slide the gearbox to the farthest left position (towards the engine). Wrap one end of the kevlar belt P#(M0248) around the engine pulley. Wrap the other end of the belt around the pulley on the gearbox. Refer to Figure 2-7d for reference.



With the kevlar belt wrapped around both pulleys, tilt the PTO assembly towards the mower frame and align the mount holes in the PTO assembly with the mount holes in the PTO mount plates. Secure the PTO assembly with (1) PTO mount pin P#(B0274) and (1) hair pin clip P#(K0086). Replace the gearbox pulley guard. Refer to Figure 2-7e.

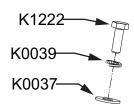


To properly tension the belt, turn the adjustment bolt clockwise until there is 1" of deflection when 10-11 pounds of pressure is applied to the center of the belt (between both pulleys). After tensioning, tighten the (4) 5/16"-18 x 3/4" HHCS P#(K1153) from Figure 2-7b and 2-7c, that secure the gearbox to the PTO assembly. Replace the gearbox pulley guard and (3) 1/4"-20 x 1/2" HHSTS P#(K0353).

2-7 Blower Cone Installation

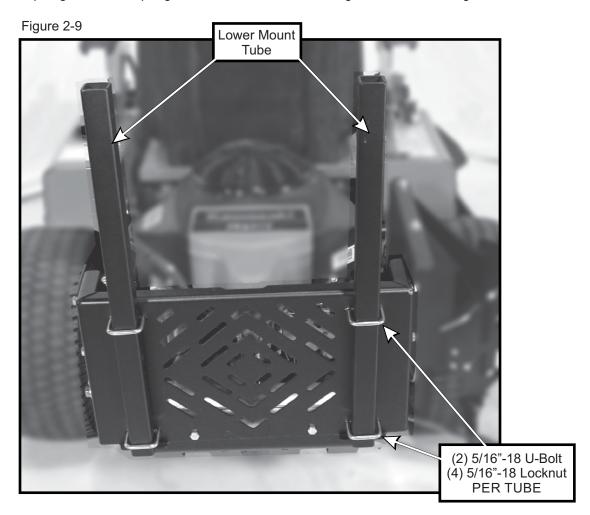
Secure the 8" aluminum blower cone P#(E8004) to the plastic blower housing, using (3) 1/4"-20 x 3/4" HHCS P#(K1222), (3) 1/4" lock washers P#(K0039) and (3) 1/4" flat washers P#(K0037). Refer to Figure 2-8.

Blower Cone



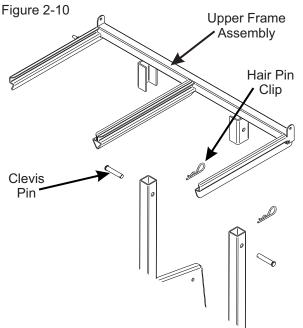
2-9 Lower Mount Tube Installation

Secure the lower mount tubes P#(B0752) to the rear mount bracket using (2) 5/16"-18 x 2-1/4" u-bolts P#(K1098) and (4) 5/16"-18 nylon flange locknuts P#(K2516) PER TUBE. The bottom edge of the lower mount tubes should be flush with the top edge of the bumper guard before the hardware is tightened. Refer to Figure 2-9.



2-10 Upper Frame Assembly Installation

Position the upper frame assembly P#(A1114) above the lower mount tubes as shown in Figure 2-10. Lower the upper frame assembly onto the lower mount tubes and secure using (2) clevis pins P#(K0133) and (2) hair pin clip P#(K0088).

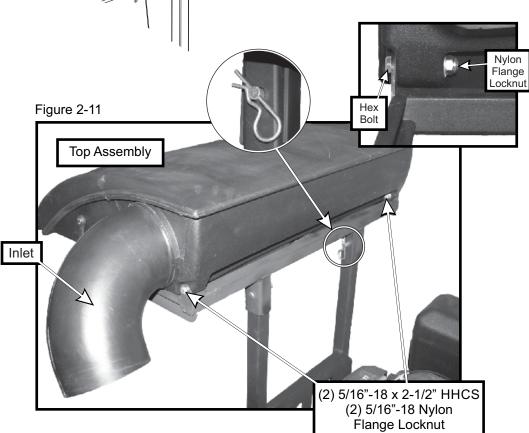


2-11 Top Assembly To Upper Frame Assembly Installation

Position the top assembly P#(A1938) above the upper frame assembly as shown in Figure 2-11. Fasten the top assembly to the upper frame assembly using (2) 5/16"-18 x 2-1/2" HHCS P#(K0125) and (2) 5/16"-18 nylon flange locknuts P#(K2516). Leave the locknuts slightly loose, to allow the top assembly to open and close easily. Refer to Figure 2-11 for hardware location.

2-12 Inlet Installation

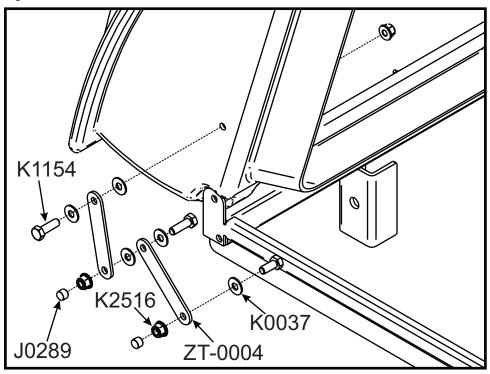
Insert the Inlet P#(V0019) into the hole on the top assembly from the inside and then snap the inlet into place. The inlet should pivot freely about the hole.



2-13 Hinge Kit Assembly Installation

Assemble the hinge kit as shown in Figure 2-13, using (2) 5/16"-18 x 1" HHCS P#(K1154), (3) 5/16"-18 nylon flange locknuts P#(K2516), (5) 1/4" flat washers P#(K0037) and (2) swing arm brackets P#(ZT-0004). Place (1) vinyl cap P#(J0289) on the end of the hex bolts as shown in Figure 2-13. Leave the nuts loose enough to allow fluid movement of the top when opening and closing. When opened, the top should rest on the middle joint of the hinge allowing it to remain up.

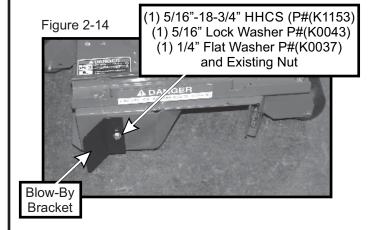
Figure 2-13



2-14 Blow-By Bracket Installation

48" & 52" Decks

Secure the blow-by bracket to the discharge chute of the mower deck as shown in Figure 2-14, using (1) 5/16"-18-3/4" HHCS (P#(K1153), (1) 5/16" lock washer P#(K0043), (1) 1/4" flat washer P#(K0037) and existing nut from the discharge chute.



2-16 Boot To Mower Deck Installation

Remove the hardware from the grass deflector and insert (1) boot rod P#(B4331) into the grass deflector mounting holes as shown in Figure 2-15a. Secure the boot rod using (1) hair pin clip P#(K0099). With the carriage bolts from Section 2-15 still loose, adjust the position of the boot so that there is no gap between the mower deck and the boot. Tighten the hardware at this time

2-15 Boot Plate Installation

Secure the boot plate P#(B0820) to the aluminum boot P#(E1902) using (2) 3/8"-16 x 1" carriage bolts P#(K1182) and (2) 3/8"-16 nylon flange locknuts P#(K2038). Insert the carriage bolts from the inside of the boot so the threads are on the top of the boot. This will prevent grass clippings from collecting on the threads. Leave the hardware loose until the boot plate has been attached to the mower deck. Refer to Figure 2 -15a and 2-15b for reference.

Edge / Edge XLT / Wrangler Mounting Holes

Figure 2-15a

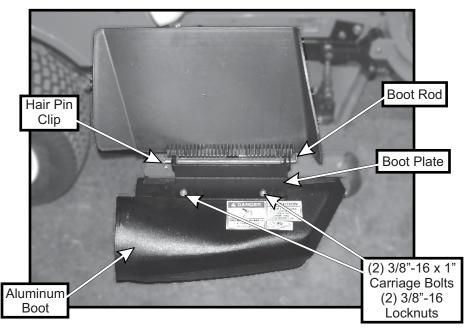


Figure 2-15b

2-17 Length Of Hose Adjustment

The hoses in steps 2-18 and 2-19 must be cut to fit your machine. Follow steps 2-18 and 2-19. do not cut the hoses until you have tried to fit them on your machine. Remember that the hoses have to be long enough to adjust for the blower assembly's movement as well as allow for enough clamping surface between the inlet, blower assembly, and the deck boot.

2-18 Upper Hose Installation

Fasten the inlet to the plastic top by sliding the inlet from the inside of the top to the outside and lock into place. Slide a pre-assembled hose clamp P#(J0060) onto both ends of the 6" upper hose (Figure 2-20). Then slide one end of the 6" hose onto the inlet. Make sure there is about a two-inch overlap between the hose end and the container inlet. Proceed to slide the opposite end of the 6" hose onto the outlet of the blower assembly. See (Figure 2-20) for details. Make sure both ends of the hose are clearly attached to the inlet and the blower assembly inlet. Tighten the hose clamps.

2-19 Lower Hose To Blower Cone Installation

Slide a pre-assembled hose clamp P#(J0080) over both ends of the lower hose. Then proceed to slide the lower hose onto the blower cone. Tighten the hose clamp. The assembly should look like Figure 2-20.

2-20 Lower Hose To Boot Installation

Take the unattached end of the lower hose and slide it over the circular end of the boot. Use the lower hose clamp to secure the hose to the boot (Figure 2-20). Tip: Before securing clamp rotate hose counter-clockwise (away from yourself) approximately 1" to aid in retaining boot to mower deck.

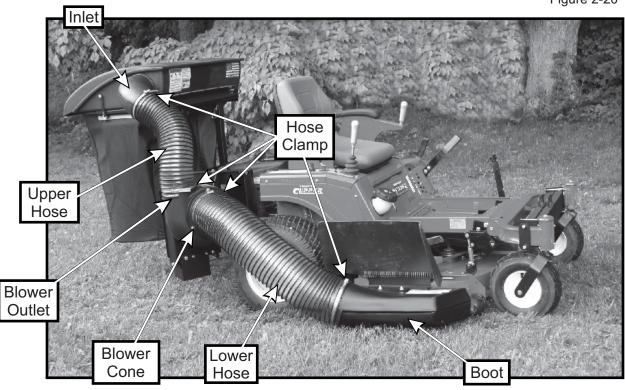


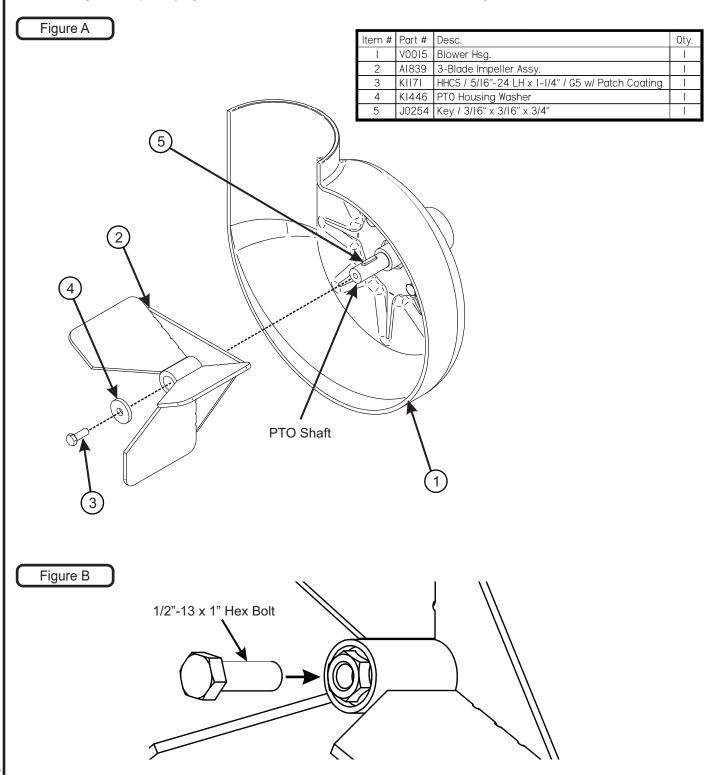
Figure 2-20

2-21 Impeller Blade Removal/Replacement

<u>To Remove:</u> To access the impeller blade, remove the Blower Cone and Blower Cone Hardware from the Blower Housing (Item#1). Remove the 5/16"-24 x 1-1/4" LH HHCS (Item#3) and (1) Washer (Item#4) (Refer to Figure A). Insert (1) 1/2"-13 x 1" Hex Bolt into the threads on the Impeller Blade (Refer to Figure B). Tighten the Hex Bolt until the Impeller Blade breaks free from the PTO Shaft. Remove the Impeller Blade Assembly (Item#2) from the PTO Shaft. Remove the Key (Item#5) from the PTO shaft.

<u>To Replace:</u> Insert the Key (Item#5) into the keyway slot on the PTO Shaft. Align the keyway slot on the Bushing of the Impeller Blade Assembly with the Key on the PTO Shaft and insert the Impeller Blade onto the PTO Shaft. Secure the Impeller Blade with (1) 5/16"-24 x 7/8" LH HHCS (Item#3) and (1) Washer (Item#4) (Refer to Figure A). Replace the Blower Cone and Blower Cone Hardware.

NOTE: Figure A is portraying a cross section view of the PTO Blower Housing.





Step 1 - Position (#2) Base Under Caster Tubing w/ Opening Towards Caster Fork.

Step 2 - Position (#3) Clamp On Top Of Caster Tubing w/ Opening Towards Caster Fork.

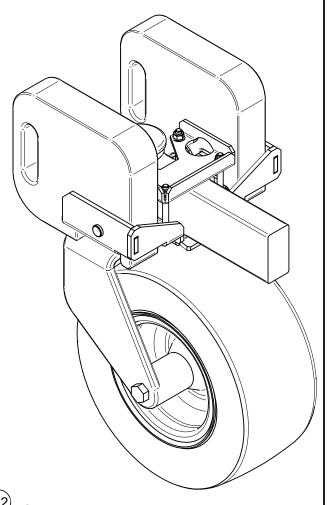
Step 3 - Align (4) Holes In (#3) Clamp To Holes In (#2) Base

Step 4 - Loosely Fasten (#3) Clamp To (#2) Base Using (4) (#4.1) 5/16"-18 x 3" Bolts & (4) (#4.2) 5/16"-18 Ny-Flange Lock Nuts.

Step 5 - Position (#2 & #3) Assembly Along Caster Tubing To Prevent Interference From Caster Forks Or Any Other Objects. Tighten Fasteners In An 'X' Pattern Until Assembly Is Firmly Clamped To Caster Tubing. Do Not Over tighten Resulting In Bending (#3) Clamp.

Step 6 - Insert (#1) Weight Into (#2) Base & Align Hole In Weight w/ Holes In (#2) Base.

Step 7 - Fasten (#1) Weight To (#2) Base Using (1) (#4.3) Clevis Pin & (1) (#4.4) Hair Pin Clip. Repeat For Additional Weights.



Desc.

28 lb. Suitcase Weight

Weight Bracket / Clamp

HHCS 5/16"-18 x 3" GR5

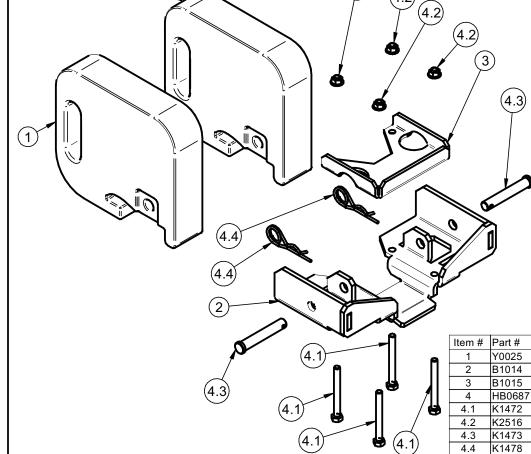
Clevis Pin 1/2" x 3"

Dual Weight Bracket / Base

Dual Weight Kit Hardware Bag

Ny-Flange Lock Nut 5/16"-18

Hair Pin Cotter / Double Loop



Qty.

2

1

1

1

4

4

2

2-23 Installation/Removal Of Collection Bags

IMPORTANT!

To prevent bag wear, install (2) red plastic end caps P#(J0274), as shown in Figure 2-23a, on each bag ring before installing bags.

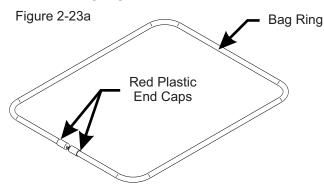


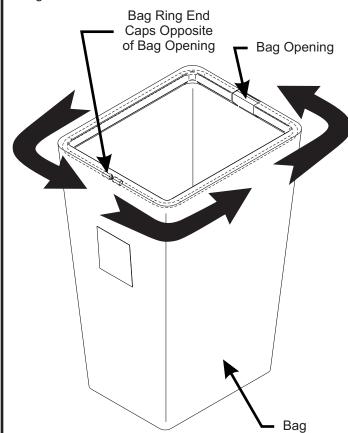
Figure 2-23c

Plastic Top

Fasten Draw
-Latch Here
For Proper Unit
Transportation

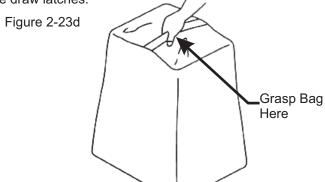
To install the bag onto the bag ring, place the seam openings of the bag onto the bag ring openings and turn the bag one full turn (36%) so the plastic end caps are located opposite to the opening in the bag (Figure 2-23b). Do this for each bag.

Figure 2-23b

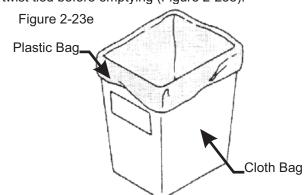


Install the completed assemblies onto the support frame and close the plastic top. Fasten the draw-latches to hold the plastic top closed (Figure 2-23c).

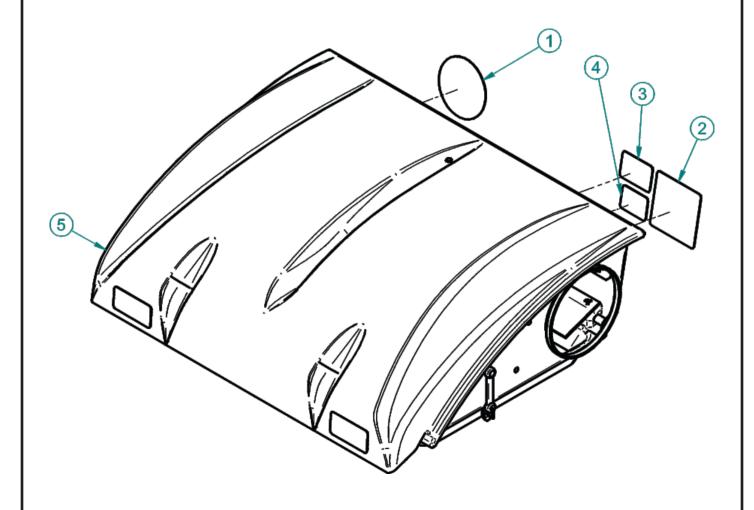
To empty the bag, first unlatch and lift top, next remove the bag and bag ring by sliding rearward, then grasp the loop on the bottom of the bag, and last turn it upside down to empty the collected debris (Figure 2-23d). Repeat for the other bag. Reinstall both bags, line with plastic bags if desired, close the plastic top and reattach the draw latches.



Plastic lawn and leaf bags, 33 gallon size, may be used inside the cloth bags. Be sure to leave enough plastic bag hanging over the frame so the plastic bags can be twist tied before emptying (Figure 2-23e).

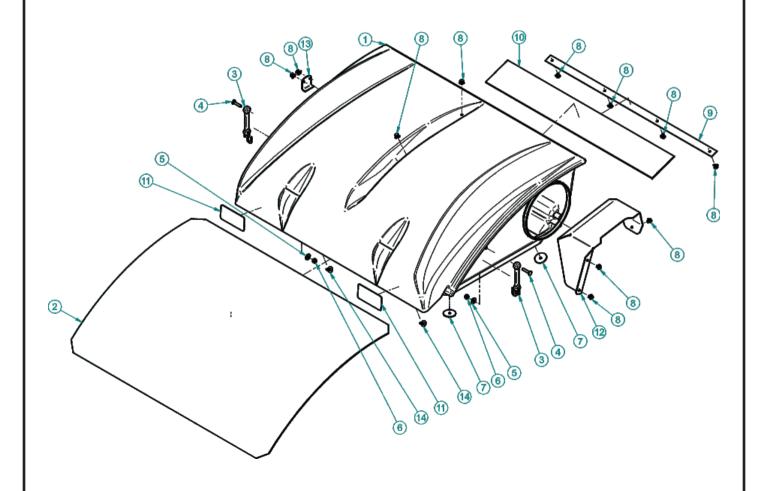


A2101 TOP ASSEMBLY EXPLODED PARTS VIEW



Item #	Part #	Desc.	Qty.
1	R0022	Decal / Built In The USA / Lg	
2	R1069	R1069 Decal / Warning - Turn Off Blower	
3	R1054	Decal / Important Check Hoses	1
4	R1051	Decal / Warning - Use Hearing Protection	1
5	A2222	Top Assy / P2B+ Gen. 2 / Base Model	1

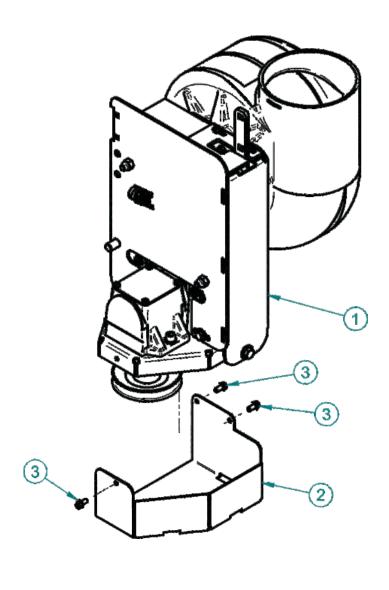
A2222 TOP ASSEMBLY / BASE EXPLODED PARTS VIEW

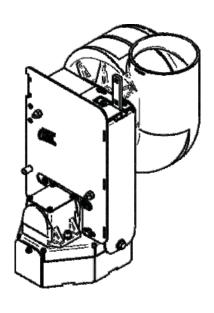


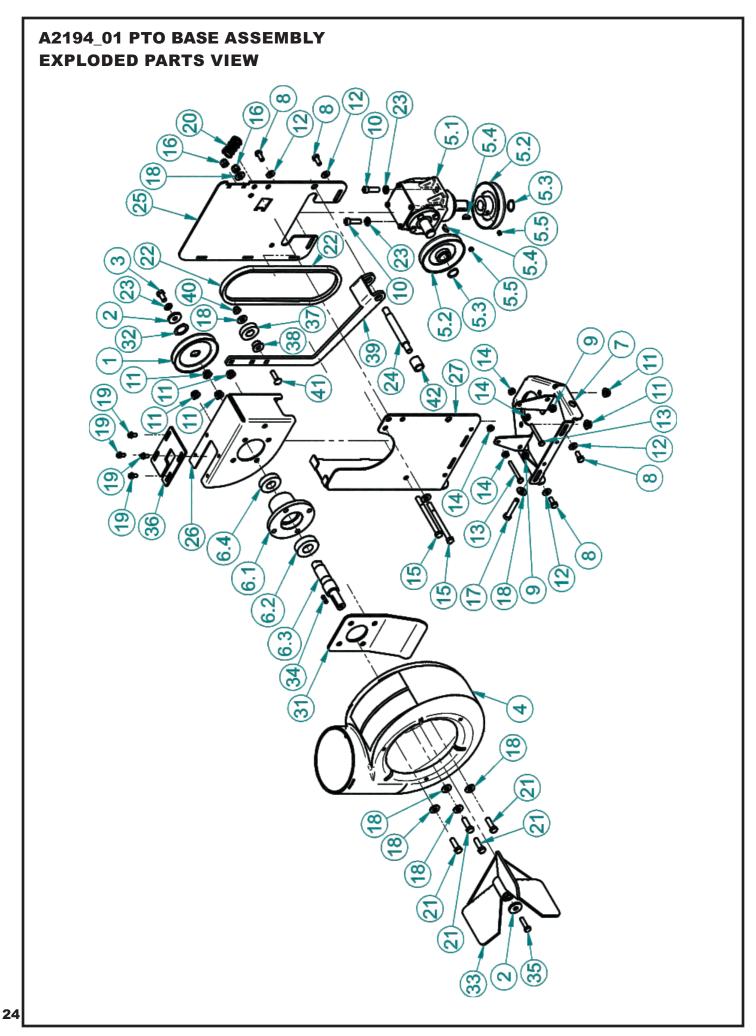
Item#	Part#	Desc.	Qty.
1	V2000	Pro 2 Bagger Top / Gen. 2	1
2	V2001	Screen	1
3	J4009	Short Rubber Strap w/ S-Hook	2
4	K1030	1/4"-20 x 1-1/4" Carriage Bolt	2
5	K0037	Flat Washer / 1/4" (.75 OD x .312 ID x .060 T)	2
6	K1128	1/4"-20 Nyloc Nut	2
7	K0062	Fender Washer / .230 ID x 1.500 OD / Zinc	2
8	K0114	Black Plastic Rivet	11
9	C0067	Dust Guard Mnt. Brkt.	1
10	V1117	Dust Guard	1
11	R1057	Decal / 2" x 4" Red Reflector	2
12	C0026	Grass Deflector	1
13	B0676	Hinge Stop PI.	1
14	K1265	Black Panel Retainer	2

A2266 PTO ASSEMBLY EXPLODED PARTS VIEW DESCRIPTION

Item #	Part #	Desc.	Qty.
1	A2194_01	1_01 PTO-R Base Assy. / Bearing Handle	
2	B0478	Small Pulley Guard / PTO-R	1
3	K0353	HWHTCS 1/4"-20 x 1/2"	3



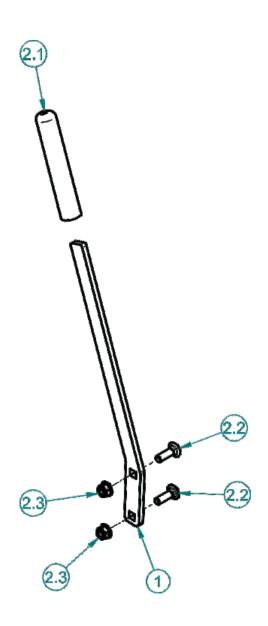




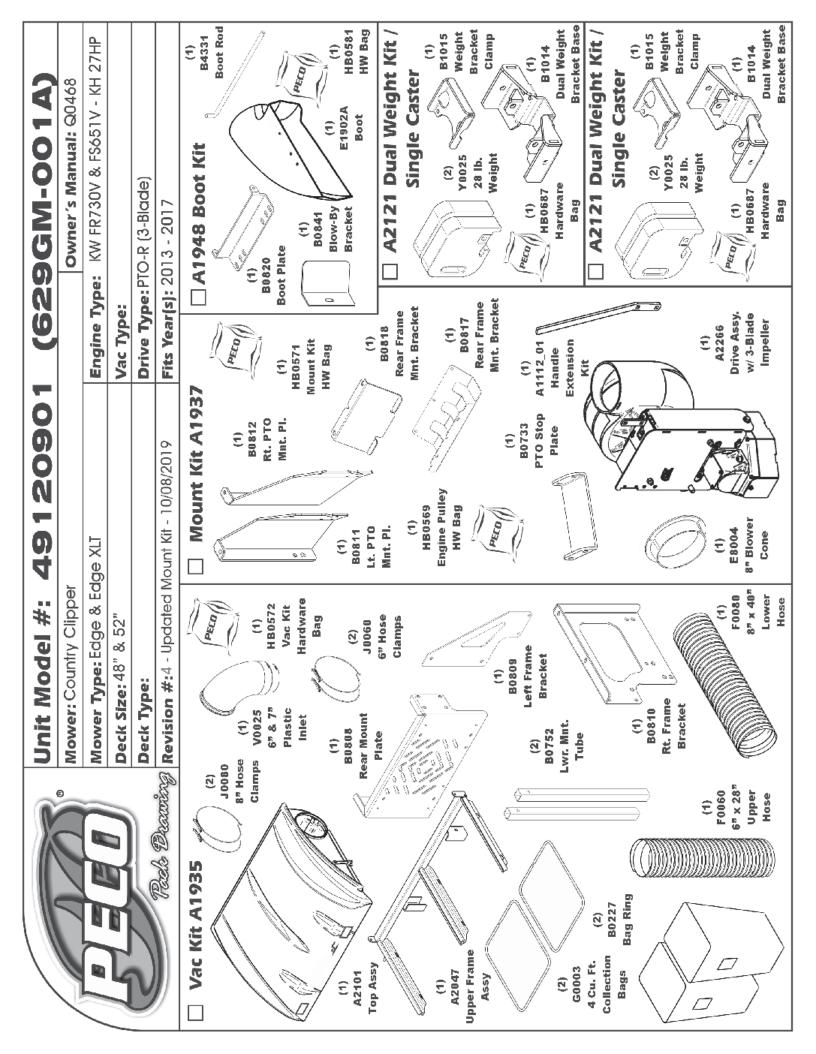
A2194_01 PTO BASE ASSEMBLY EXPLODED PARTS VIEW DESCRIPTION

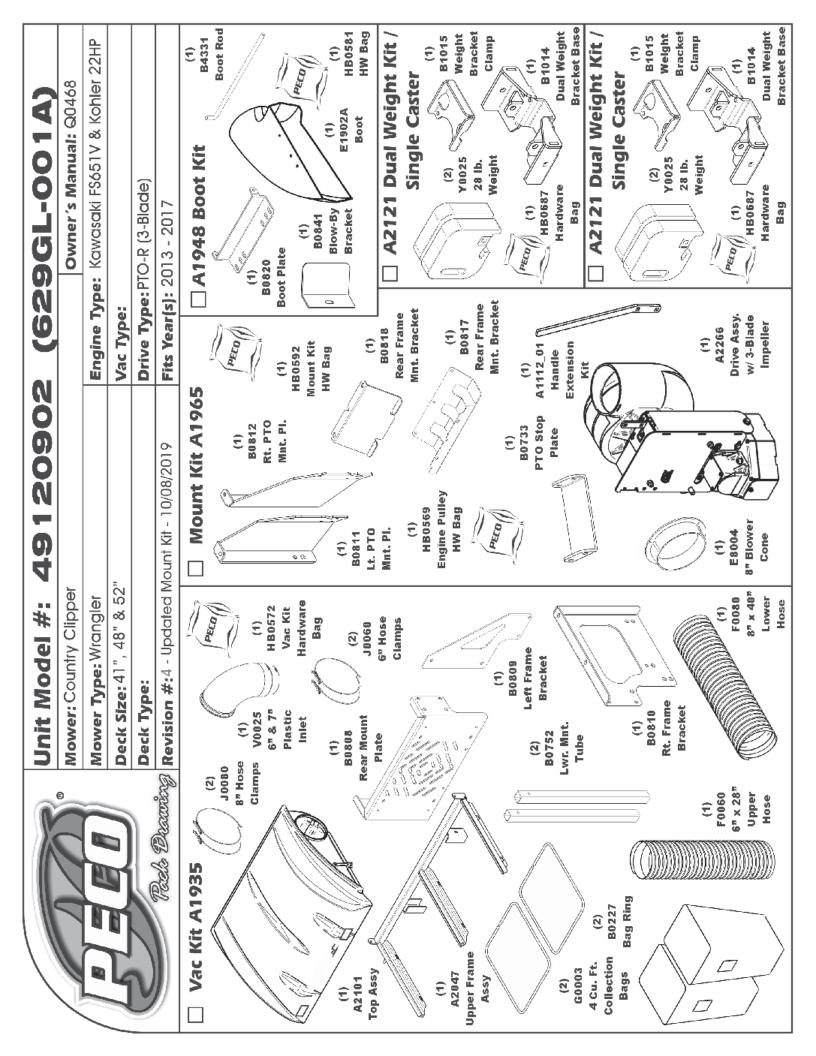
Item #	Part #	Desc.	Qty.
1	M0266	A-Section Pulley / 4.25 OD	1
2	K1446	PTO Housing Washer	2
3	K1190	HHCS / 3/8"-16 x 3/4"	1
4	V0015	Blower Hsg.	1
5	A0429	Gear Box Assy.	1
5.1	A0431	Gearbox	1
5.2	A0498	Pulley Assy. / Gear Box	2
5.3	K0360	Snap Ring / 7/8" Shaft	2
5.4	J0272	Woodruff Kay #9	2
5.5	K0035	Set Screw 5/16"-18 x 1/4" Cup Point	2
6	A1004	PTO Shaft Assy.	1
6.1	E0015	Housing / PTO Shaft	1
6.2	N0147	Bearing (2.0472 OD, 0.9843 ID, 0.5906 W)	1
6.3	B0460	PTO Shaft	1
6.4	N0165	Bearing (1.875 OD, .875 ID, .500 W)	1
7	A1003	PTO Base Plate Assy.	1
8	K1153	HHCS 5/16"-18 x 3/4"	4
9	K1178	Flange Nut 5/16"-18	4
10	K0309	3/8"-16 x 1-1/4" SHCS	2
11	K1215	Flange Nut 3/8"-16	6
12	K0037	Flat Washer / 1/4" (.75 OD x .312 ID x .060 T)	4
13	K1150	HHCS / 1/4"-20 x 2-1/4"	2
14	K1126	Flange Nut 1/4"-20	4
15	K1202	HHCS / 3/8"-16 x 4-1/2" / G5	2
16	K1216	Nyloc Nut / 3/8"-16	2
17	K0348	HHCS / 3/8"-16 x 2" All Thread	1
18	K0042	Flat Washer 5/16" / .875 OD x .380 ID x .075 T	8
19	K0353	HWHTCS 1/4"-20 x 1/2"	7
20	J0303	Spring	1
21	K1192	HHCS 3/8"-16 x 1-1/4" GR5	4
22	M0267	Keviar Belt / A28K	1
23	K0048	Lock Washer 3/8"	3
24	B0505	Mount Rod	1
25	B0506_01	Lt. PTO Arm	1
26	B0642_01	Mount Bracket / Blower Hsg.	1
27	B0643_01	Rt. PTO Arm	1
31	B0739	Stiffener Plate / Blower Hsg.	1
32	K0070	Flat Washer (1.295 OD x .881 ID x .020 T)	1
33	A1839	3-Blade Impeller Assy.	1
34	J0254	Key / 3/16" x 3/16" x 3/4"	1
35	K1171	HHCS / 5/16"-24 LH x 1-1/4" / G5 w/ Patch Coating	1
36	B1875	Belt Tension Adjust Bracket	1
37	N0148	Bearing (1.625 OD, 0.750 ID, 0.4375 W)	1
38	S0021	Flange Bushing / Bearing	1
39	B1897	Base Handle	1
40	K2516	Ny-Flange Lock Nut 5/16"-18	1
41	K1146	5/16"-18 x 1-1/4" Carriage Bolt	1
42	S0229	Spacer Bushing	1

A1112_01 Handle Extension Kit EXPLODED PARTS VIEW DESCRIPTION



Item #	Part#	Desc.	Qty.
1	B0509_01	Handle Ext. / PTO-R	1
2	HB0783	HW Bag / Handle Ext. Kit / PTO-R	1
2.1	V1151	Black Handle Grlp (5/8" ID x 4-3/4" L)	1
2.2	K1144	5/16"-18 x 1" Carriage Bolt	2
2.3	K2516	Ny-Flange Lock Nut 5/16"-18	2
2.4	Q0545	Instruction Sheet / Handle Ext. Kit / PTO-R	1





SAFETY DECALS

To promote safe operation, New PECO, Inc. supplies safety decals on all products manufactured. Damage can occur to safety decals either through shipment, use or reconditioning. Contact your local Service Center for replacement decals.





Part# R0022 Designed & Built In The USA



DANGER NEVER USE HANDS
TO CLEAR DEBRIS WITH BLOWER
RUNNING!

PELIGRO NUNCA USE MANOS
PARA LINPIAR BASURA CON LA
HOJA EN MARCHA!

Part #: R2007 Danger - Never Use Hands

A DANGER ROTATING BLADES!
FINGERS, HANDS, & BODY PARTS
CAN BE SEVERED!
A PELIGRO HOJA ROTANTE!

PELIGRO HOJA ROTANTE!

DEDOS, MANOS Y PARTES DEL

CUERPO PUEDAN SER CORTADOS!



Part #: R2008 Danger - Rotating Blades

IMPORTANT Hoses are subject to normal wear and deterioration. Check hoses frequently and if they become defective, install new hoses. For best collection results, trim hoses so there are no more than 2 inches excess hose with mower deck lowered.

Part #: R1054 Important - Hose Wear





Part #: R1057 - (2) Red Reflectors



Part #: R1069 Warning - Turn Off Blower



Part # R0024 Danger - Keep Hands Clear



Part #: R1051 Warning - Hearing Protection



Part # R0025 Danger - Rotating Blades

SECTION III OPERATING INSTRUCTIONS

General Safety

Only qualified people familiar with this operator's manual and the mower's operator's manual should operate this machine.

Operation And Tips On Mowing

- A. Perform BEFORE EACH USE the maintenance list referenced in Section IV.
- B. Start mower.
- C. With the mower at high idle speed, engage the mower deck.
- D. While seated in the operator's seat, move Bagger PTO switch to the on position. With the PTO assembly engaged, you can proceed to operate the control levers of the mower.

NOTE: If the collection system does not appear to be collecting the grass clippings, disengage the deck and PTO assembly, then, engage the parking brake and turn the mower off. Check upper and lower hoses for any clogs.

To obtain the maximum effectiveness from your collection system, the tips listed below should be followed:

- * Watch your speed- Normal conditions will allow a speed of up to approximately 4 mph, but thick, heavy damp conditions will require reduced ground speed.
- * Mow with sharp blades- A sharp blade cuts cleaner.
- * Wet grass and leaves will decrease effectiveness and will increase horsepower requirements.
- * Mow at higher cutting heights- Remove and mulch no more than 2" of grass length with each mowing. (Experts recommend not cutting off more than 1/3 of the grass blade length at any given time.)
- * Mow twice, at different height settings, (high, then low), if grass is extra tall.
- * Remember that horsepower requirements will vary with the mowing conditions such as type and height of turf grass, moisture content, amount of leaves, whether the terrain is flat or hilly, etc.

Disengagement Of The PTO Assembly

A. To disengage the PTO assembly, move Bagger PTO switch to the off position.

WARNING: The PTO assembly blades will continue to spin. DO NOT TOUCH the PTO assembly, pulleys, or the belt until the tractor is turned off. DO NOT adjust the belt tension until the mower is turned off. Refer to the Belt Installation section of the manual.

Unloading The Collection System

NOTE: To determine when the collection bags are full, follow the following steps:

- A. Stop the forward movement of the mower.
- B. Disengage the mower deck.
- C. Disengage the PTO assembly.
- D. Engage the parking brake.
- E. Once the parking brake has been engaged, then and only then, walk behind the mower and check the collection bags by first unhooking the rubber strap with S-hook that secures the plastic top, then lift the plastic hood. Load in bags should not exceed the height of the installed bag.
- F. To remove the bags from the frame, slide bags out and turn bags over to deposit clippings.
- G. Slide empty bags back onto the frame and secure plastic top with the rubber strap with S-hook.

NOTE: Do not allow collection bags to become overfilled as potential damage may occur to your equipment. Also, be sure to clean the hood screen as needed.

SECTION IV MAINTENANCE

Maintenance Checklist

Before each use:

- 1. Check blades and spindles to be sure that no foreign objects, such as wire or steel strapping bands, are wrapped around them.
- Inspect blades for wear. Replace if necessary. If it is necessary to sharpen the blades, remove the blades from the spindles before sharpening. DO NOT sharpen blades while still attached to the mower.

- 3. Make sure all shields are in place and in good condition. Repair or replace any missing or damaged shields.
- 4. Perform lubrication per instructions.
- Listen for abnormal sounds, which might indicate loose parts, damaged bearings, or other damage. Correct any deficiency before continuing operation.
- With the engine off, engage the blower assembly. Check the belt tension and inspect the pulley belt for cracks or tears.
- 7. Check for wear or deterioration of the upper or lower hoses. If there are any portions of the hose that have been torn or worn through, replace immediately.

After Each Use:

- Clean all debris from machine especially from the container, underneath the belt shields, and safety decals. Replace any missing or illegible decals.
- Inspect the unit for worn or damaged components.
 Repair or replace before the next use. Any
 replacement component installed during repair shall
 include the component's current safety decal specified
 by the manufacturers to be affixed to the component.
- 3. Under normal usage, the bag material is subject to deterioration and wear and should therefore be frequently checked for necessary replacement. Any replacement bag should be checked to ensure compliance with the original manufacturer's recommendations or specifications.
- 4. Check belt for proper tension.

4-2 Lubrication

Gearbox:

NOTE: The gearbox is filled with 6.0 oz. of Mobilube HD Plus 80W-90 oil and permanently sealed. There is no need for scheduled lubrication. The oil level should only be checked if a leak is observed or if a change in gearbox noise is noticed.

Operators are recommended to check for leaks weekly. If a leak is observed, both the gasket and the seals are recommended to be replaced.

Replace the oil using 5.5 oz. of the recommended Mobilube HD Plus 80W-90 oil. Be sure to not overfill.

Blower Assembly:

NOTE: The following is for older PTO models that contain a greaseable zirc fitting. Newer models contain maintenance-free bearings and are without a greasable fitting.

- 1. On initial use: Grease the fitting on the blower shaft.
- 2. Every 25 hours of use: Re-grease the grease fitting.

NOTE: Use only white lithium based grease for lubrication of the shaft on the blower assembly.

SECTION V - PARTS & SERVICE

5-1 Parts And Service Information

Collection system owners should record the name and telephone number of their Service Center. Your Service Center will be happy to supply replacement parts, accessories, and do any service or repairs to your collection system. If for any reason your Service Center is unable to service your collection system or supply replacement parts, contact New PECO, Inc. and include the following information on the chart below.

DOCUMENT THE FOLLOWING INFORMATION FOR FUTURE REFERENCE

Phone Number:		
Address:	State:	Zip:
Dealer/Distributor Name:		
Date of purchase://		
Unit Serial Number:		
Unit Engine Size:		
Unit Model Number:		

New PECO, Inc.

10 Walden Dr | Arden, North Carolina 28704 Phone: 1-800-438-5823 | 828-684-1234

Fax: 828-684-0858
Email: peco@lawnvac.com
Website: www.lawnvac.com

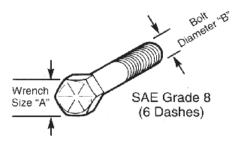
TORQUE SPECIFICATIONS

AMERICAN

Bolt Head Markings



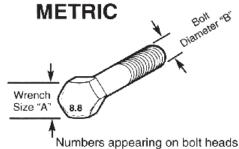




Proper toque for American fasteners used on equipment.

Recommended Torque in Foot Pounds (Newton Meters).*

	·	, 1 000 ,			
WRENCH SIZE (IN.) "A"	BOLT DIAMETER (IN.) "B" AND THREAD SIZE	SAE GRADE 2	SAE GRADE 5	SAE GRADE 8	
7/16	1/4 - 20 UNC	6 (7)	8 (11)	12 (16)	
7/16	1/4 - 28 UNF	6 (8)	10 (13)	14 (18)	
1/2	5/16 - 18 UNC	11 (15)	17 (23)	25 (33)	
1/2	5/16 - 24 UNF	13 (17)	19 (26)	27 (37)	
9/16	3/8 - 16 UNC	20 (27)	31 (42)	44 (60)	
9/16	3/8 - 24 UNF	23 (31)	35 (47)	49 (66)	
5/8	7/16 - 14 UNC	32 (43)	49 (66)	70 (95)	
5/8	. 7/16 - 20 UNF	36 (49)	55 (75)	78 (106)	
3/4	1/2 - 13 UNC	49 (66)	76 (103)	106 (144)	
3/4	1/2 - 20 UNF	55 (75)	85 (115)	120 (163)	
7/8	9/16 - 12 UNC	70 (95)	109 (148)	153 (207)	
7/8	9/16 - 18 UNF	79 (107)	122 (165)	172 (233)	
15/16	5/8 - 11 UNC	97 (131)	150 (203)	212 (287)	
15/16	5/8 - 18 UNF	110 (149)	170 (230)	240 (325)	
1-1/8	3/4 - 10 UNC	144 (195)	266 (360)	376 (509)	
1-1/8	3/4 - 16 UNF	192 (260)	297 (402)	420 (569)	
1-5/16	7/8 - 9 UNC	166 (225)	430 (583)	606 (821)	
1-5/16	7/8 - 14 UNF	184 (249)	474 (642)	668 (905)	
1-1/2	1 - 8 ŲNC	250 (339)	644 (873)	909 (1232)	
1-1/2	1 - 12 UNF	274 (371)	705 (955)	995 (1348)	
1-1/2	1 - 14 UNF	280 (379)	721 (977)	1019 (1381)	
1-11/16	1-1/8 - 7 UNC	354 (480)	795 (1077)	1288(1745)	
1-11/16	1-1/8 - 12 UNF	397 (538)	890 (1206)	1444 (1957)	
1-7/8	1-1/4 - 7 UNC	500 (678)	1120 (1518)	1817 (2462)	
1-7/8	1-1/4 - 12 UNF	553 (749)	1241 (1682)	2013 (2728)	
2-1/16	1-3/8 - 6 UNC	655 (887)	1470 (1992)	2382 (3228)	
2-1/16	1-3/8 - 12 UNF	746 (1011)	1672 (2266)	2712 (3675)	
2-1/4	1-1/2 - 6 UNC	870 (1179)	1950 (2642)	3161 (4283)	
2-1/4	1-1/2 - 12 UNF	979 (1327)	2194 (2973)	3557 (4820)	



indicate ASTM class.

*Use 75% of the specified torque value for plated fasteners. Use 85% of the specified torque values for lubricated fasteners.

Proper torque for metric fasteners used on equipment.

Recommended torque in foot pounds (newegoMeters).*

WRENCH SIZE (mm) "A"	BOLT DIA. (mm) "B"	ASTM 4.6	ASTM 8.8	ASTM 9.8	ASTM 10.9
8	5	1.8 (2.4)		5.1 (6.9)	6.5 (8.8)
10	6	3 (4)		8.7 (12)	11.1 (15)
13	8	7.3 (10)		21.1 (29)	27 (37)
16	10	14.5 (20)		42 (57)	53 (72)
18	12	25 (34)	74 (100)	73 (99)	93 (126)
21	14	40 (54)	118 (160)	116 (157)	148 (201)
24	16	62 (84)	167 (226)	181 (245)	230 (312)
30	20	122 (165)	325 (440)		449 (608)
33	22		443 (600)		611 (828)
36	24	211 (286)	563 (763)		778 (1054)
41	27		821 (1112)		1138 (1542)
46	30	418 (566)	1119 (1516)		1547 (2096)

2017 (v1.0)

Troubleshooting **Collection System Performance**

	- Jones don System Pe		
Problem	Possible Cause	Corrective Action	
	Cutting blades are bent or unbalanced	Install new cutting blade	
Abnormal Vibration	Loose blower pulley or pulley assembly	Tighten the pulley	
	Impeller blade out of balance	Contact dealer to replace	
	Low engine speed	Always operate collection system at full throttle	
Reduced collection system performance	Plugged screen	Remove debris, leaves, or grass clippings from the screen	
	• Loose belt	Replace/tighten belt	
	Full collection bags	Empty the collection bags	
	Collection bags are too full	Dump more frequently	
	Low engine speed	Always operate collection system at full throttle	
	Grass is too wet	Cut grass when it is dry	
Blower and hoses plugging too frequently	Grass is too long	Cut the grass several times	
	Ground speed is too fast	Drive slower at full throttle	
	Worn belt	Replace belt	
	• Loose belt	Adjust the pulley and tighten belts	
	Collection bags are too full	Dump more frequently	
Debris blowout	Plug/clog in the collection evetom	Clean the collection system	
	systemGround speed is too fast	Drive more slowly at full throttle	
	Plug in the blower housing	Clean the blower housing	
Impeller doesn't rotate freely	Worn impeller blade	Contact dealer to replace	
	Shaft bearings bad/failing	Contact dealer to replace	



Country Clipper Division of Shivvers Mfg. Inc 613 W. English | Corydon, IA | 50060 Phone: 1-800-344-8237 | 641-872-2544

Fax: 641-872-1593

E-Mail: countryclipper@countryclipper.com