

# Operator's Manual

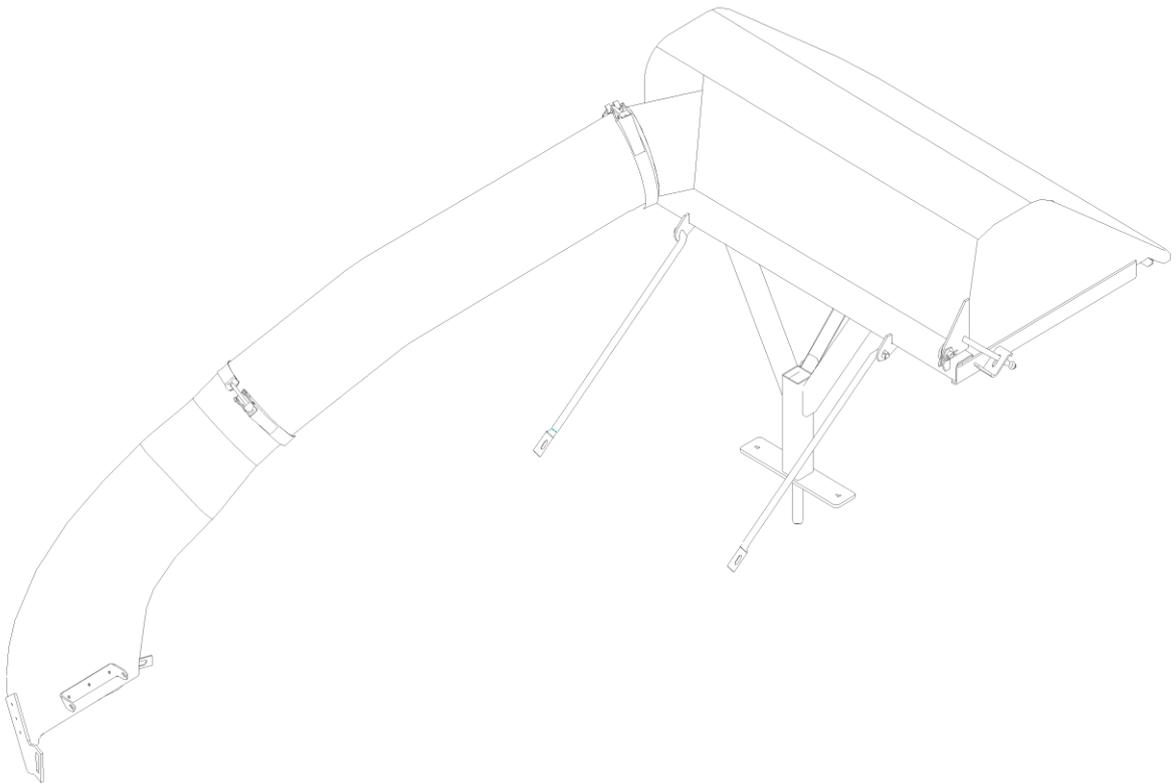


## **WORLDLAWN<sup>®</sup>**

### **BAGGER**

#### **WYRZ42S/46S/50U/60U-CS**

#### **WYRZ46XS/50XL/60XL-CS**



**Worldlawn Power Equipment, Inc.**

**Toll Free Number: 1-800-267-4255**





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## OPERATOR'S MANUAL

This grass catcher manual is for **WYRZ42S/46S/50U/60U/46XS/50XL/60XL** lawn mower. Before operating the grass catcher, read this manual in its entirety carefully.

Keep this owner's manual with bagger system.

If this Operator's Manual is lost, damaged, or illegible, replace it immediately. Replacements may be ordered through our sales department or our dealers. If additional information is needed, contact our sales department or a dealer. Always give the model number and serial number for the mower and the bagger.

### **WARNING**

#### **POTENTIAL HAZARD**

- This product is a piece of power equipment.

#### **WHAT COULD HAPPEN**

- Failure to follow safe operating practices can result in serious operator injury or even death.

#### **HOW TO AVOID THE HAZARD**

- Keep all shields, guards, and safety devices in place and in proper working condition.
- Stop engine and wait for all moving parts to stop, remove spark plug wires or remove key before adjusting, servicing, or performing maintenance.
- If mower deck becomes clogged, stop engine and wait for all moving parts to stop. Remove spark plug wire or remove key before cleaning blockage.
- Keep hands, feet, and clothing away from power driven parts.
- Keep others off of mower.



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## 1. Safety

1.1 The following list contains safety information specific to WORL DLAWN products and other safety information you must know.

- 1) This mower is power equipment and the operator needs to be trained before operating this unit.
- 2) Read the instructions carefully. Be thoroughly familiar with controls, safety decals, and proper use of the equipment.
- 3) Never allow children, teenagers, or adults to operate the equipment without proper instruction.
- 4) Keep everyone, especially children and pets, away from the area of operation. Remember that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- 5) Do not use a grass catcher on steep slopes (>16.7°). The weight of a full grass catcher could cause loss of control or overturn the machine.
- 6) Keep all movement on slopes slow and gradual. Do not make sudden changes in speed and driving direction.
- 7) The grass catcher can obstruct the view to the rear. Operate in reverse with extra caution.
- 8) Keep hands and feet away from moving parts. Do not make adjustments with the engine running.
- 9) Do not leave grass in grass catcher for extended periods of time and clean up the debris frequently.
- 10) Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace parts by manufacturer's recommendation when necessary.
- 11) Stop the engine and remove the key before installing/uninstalling the grass catcher or unclogging the chute.

## 1.2 SAFETY ALERT SYMBOL

This SAFETY ALERT SYMBOL  is used both in this manual and on the machine to identify important safety messages which must be followed to avoid accidents. This symbol means:

**ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**

The safety symbol above alerts you to unsafe actions or situations by the word **DANGER**, **WARNING** or **CAUTION**.

 **DANGER** : White letters on red background.

Failure to observe the safety instructions could result in death or serious injury.

 **WARNING** : Black letters on orange background.

Failure to observe the safety instructions could result in death or serious injury.

 **CAUTION** : Black letters on yellow background.

Failure to observe the safety instructions may result in slight or serious injury.

## 2. Safety and Instruction Decals



8607



8352

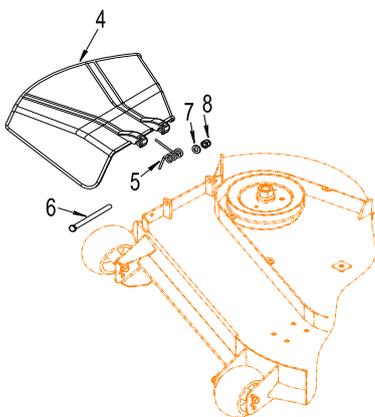
### 3. Installing Bagger

#### 3.1 Unpacking

- 1) Open crate.
- 2) Remove loose parts (i.e., operator's manual, etc) from crate.
- 3) Remove unit from crate, check crate thoroughly for loose parts.

#### 3.2 Install Blade and Deck Discharge Tube

- 1) Remove chute and torsion spring (4, 5) from the mower deck. Keep removed parts in a bag for later use. Install deck discharge with bolts, washers and nuts (6, 7, 8) (FIG 1)



a) FIG 1

- 2) Install the deck discharge tube. Place slot on outside edge of deck discharge tube (350) over welded tab on outside edge of mower deck. Line up top bracket holes of deck discharge tube with holes in tabs welded to top of deck discharge. Insert bolt 6, add washer and nut (7, 8) and tighten securely. Install bolt 107, add washer and nut (72, 73) and tighten securely. (FIG 2)

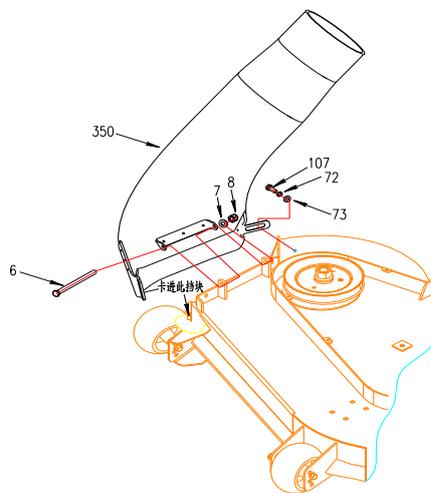


FIG 2

#### 3.3 Install Lower Frame/Bag Base Frame

Insert pin of lower frame weldment (314) into center of the rear bumper of the machine. Install bolts (81), spacers (351), nuts and washers (73, 17) on lower frame and bumper. Attach part bag base frame weldment (315) to hold the upper frame in a vertical position, aligning the slots in the upper frame with the formed tabs in the lower frame. Slide upper frame over the tabs then swing the frame down to a horizontal position. Secure the frame with the center gusset tube (316) using bolts (147), washers and nuts. (73, 17)

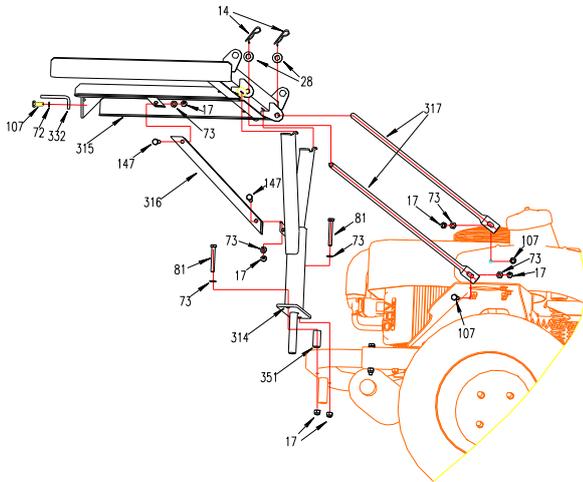


FIG 3

### 3.5 Install Grass Bags

Slide bags (327) into the bag base frame.

**Note:** Keep decals facing outward. (FIG 6)

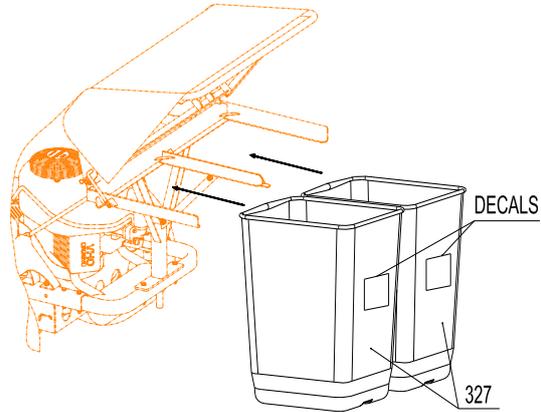


FIG 6

### 3.4 Install Catcher Hood

- 1) Line up pins of bag base frame with holes of catcher hood (331) and lower hood onto frame. Install washers and cotter pins (28, 14).
- 2) Insert the threaded end of hood stop rod (318) into the slotted tab on bag base frame; add Part flange nut (319) and tighten.
- 3) Insert the top end of hood stop rod into the hole in catcher hood tab. Install washer and cotter pin (73, 103). (FIG 5)

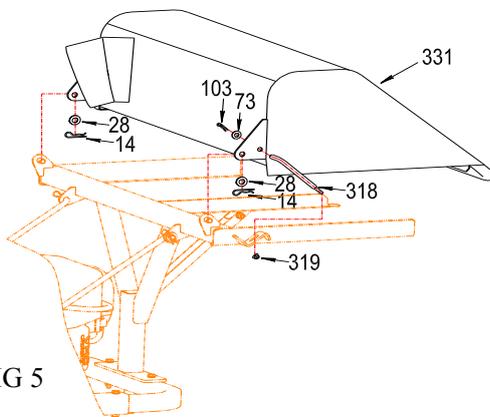


FIG 5

### 3.6 Install Grass Tube Assembly

Slide hose clamp (326) onto grass tube (325) and attach to deck discharge tube. Slide clamp onto other end of grass tube and attach this end of grass tube to catcher hood. Tighten hose clamps. (FIG 7)

**Note:** Hose clamps are adjustable.

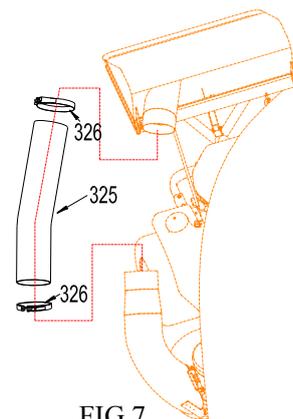


FIG 7

### 3.7 Install Weight Frame

(WYRZ42S/46S/46XS/50U/60U-CS)

Attach weight frame (328) onto front of machine with bolts, washers, and nuts as shown; tighten bolts. Hang weights (329) onto frame. Insert bolts and add washers and nuts; tighten bolts.

**Note:** The number of weights can be adjusted as needed to offset weight of grass in bag. (FIG 8)

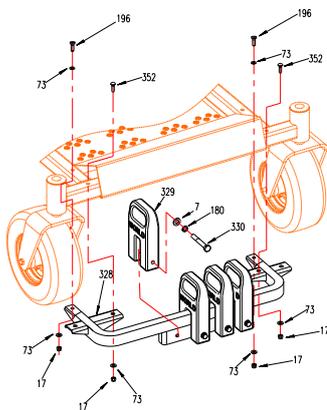


FIG 8

### 3.8 Install Weight Frame

(WYRZ50XL/60XL-CS)

Attach weight frame (400) onto front of machine with bolts, washers, and nuts as shown; tighten bolts. Hang weights (329) onto frame. Insert bolts and add washers and nuts; tighten bolts.

**Note:** The number of weights can be adjusted as needed to offset weight of grass in bag. (FIG 9)

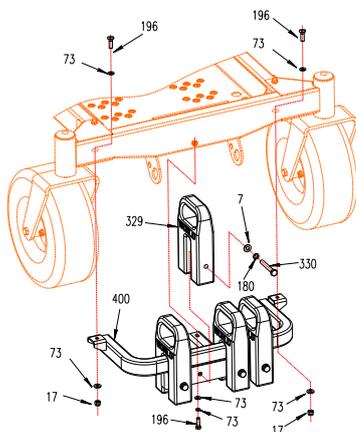


FIG 9

## 4. Operation

### 4.1 Controls

- 1) Familiarize with all controls before operating the mower.
- 2) Keep working area safe.
- 3) Always stop the engine, remove the ignition key, and set the parking brake when leaving the mower unattended.
- 4) Children or bystanders may be injured if they move or attempt to operate the mower when it is unattended.

#### **⚠ WARNING**

#### **POTENTIAL HAZARD**

- While operating, unaware of safe working area while operating.
- Have not shut off engine and set the parking brake while mower is unattended.
- Children or bystanders attempt to move or operate the mower.

#### **WHAT COULD HAPPEN**

- Bystanders may be injured while moving forward, backward, or turning around.
- Children or bystanders may be injured if they move or attempt to operate the mower while it is unattended.

#### **HOW TO AVOID HAZARD**

- Keep a safe working area.
- Always stop the engine, remove the ignition key and set the parking brake when leaving the machine unattended, even if just for a few minutes.
- Children or bystanders should not be allowed to operate the mower.

## 4.2 Emptying the Grass Bags

Grass bags are heavy when full. Be careful when lifting or handling a full bag.

- 1) Disengage the PTO, set the parking brake, and block the tires if on a slope.
- 2) Unlatch the bagger latch and open the bagger hood.
- 3) Compress the debris into the bags. With both hands, lift up on the bag and unhook it from the bagger bracket.
- 4) Grasp the handle on the bottom of the bag and tip it over to empty the bag.
- 5) Clean off the grass from the bracket, especially the notch of the bracket.
- 6) Push the bag back inside to the original position.

**⚠ WARNING**

**POTENTIAL HAZARD**

- Opening the catcher hood frame when engine is running
- Dumping grass on a slope.
- Lifting full heavy grass bag.
- The grass in the notch of the bagger bracket is not cleared.

**·WHAT COULD HAPPEN**

- If the catcher hood frame is opened when the engine is running, the debris could cause injury such as eye injury.
- Even though brake system has been set, the operator may lose control and slip on a slope.
- Lifting a fully loaded bagger could cause injury.
- The bagger will not be correctly placed into position and the catcher hood frame will not latch.

**HOW TO AVOID HAZARD**

- Stop the engine and wait for all moving parts to stop before cleaning the bagger system.
- Use a block or appropriate blocking object to obstruct the wheels on a slope.
- Lift the bagger using both hands
- Clean off the grass from the bracket, especially the notch in the bagger bracket.

## 4.3 Cleaning Obstructions from the Bagger System

- 1) Disengage the PTO and set the parking brake.
- 2) Turn off the engine, remove the key, and wait for all moving parts to stop.
- 3) Empty the bags.
- 4) Remove the grass tube.
- 5) Use a stick or similar object (**NOT HANDS!**) to remove and clear obstruction from tube assembly.
- 6) Raise the rear of the unit and support it with jack stands or equivalent support to transport position

**⚠ CAUTION**

**POTENTIAL HAZARD**

- Raising the rear of the unit solely relying on jacks could be dangerous.

**WHAT COULD HAPPEN**

- The jacks may not be enough support or may malfunction and cause the unit to fall, which could cause injury.

**HOW TO AVOID HAZARD**

- DO NOT rely solely on the jacks for support.

- 7) Use a stick or similar object (**NOT HANDS!**) to remove and clear the obstruction from the deck discharge tube, bagger, and under the deck.
- 8) After you remove the obstruction, install the complete bagger system and resume operation.

## 4.4 Transporting Machines

Do not leave grass or debris in the bagger while

**⚠ WARNING**

**POTENTIAL HAZARD**

- Leaving grass or debris in the bagger while transporting the machine.

**WHAT COULD HAPPEN**

- Transporting the machine with grass or debris in the bagger can damage the machine.

**HOW TO AVOID HAZARD**

## 4.5 Operating Tips

- 1) Remember the machine is longer and wider with this attachment installed. Turning too sharply in confined places might damage the surroundings.
- 2) Always trim with the left side of the mower.
- 3) Cut grass frequently, especially when it grows rapidly. For best cutting performance, be sure to slightly overlap the mower into the previously cut area. This helps reduce the load on the engine and the chance of clogging the discharge and grass tubes.

**⚠ CAUTION**

**POTENTIAL HAZARD**

· Cutting the grass too high and moving forward too fast.

**WHAT COULD HAPPEN**

· Discharge, center grass tube and bagger inlet tube could be clogged.

**HOW TO AVOID HAZARD**

· When the grass is too long, be sure to cut it several times and move slowly.

- 4) If the grass is ever allowed to grow longer than normal or if it contains a high degree of moisture, raise the cutting height higher than usual and cut and bag the grass at this setting; then cut and bag the grass again using the lower normal setting.
- 5) Excessively long grass is heavy and may not be completely propelled into the bagger.
- 6) If possible, always try to cut grass when it is dry. Wet grass can cause plugging.
- 7) To avoid clogging the bagging system, reduce ground speed and mow the grass at a high cutting height; then lower the mower to your normal cutting height and repeat the bagging process.
- 8) Small amounts of grass clipping normally blow out of the front of the mower during bagging. An

excessive amount of clipping blow-out indicates that the bagger is full or the grass tubes are plugged.

- 9) Always lift the deck to the highest position when loading the machine on a trailer or passing a curb.

## 5. Maintenance & Adjustment

**⚠ WARNING**

**POTENTIAL HAZARD**

- Start engine when making adjustments to bagger system.

**WHAT COULD HAPPEN**

- Suddenly starting the engine may result in serious injury or death.

**HOW TO AVOID HAZARD**

- Remove key before making adjustment.

**⚠ WARNING**

**POTENTIAL HAZARD**

- Engine is overheating.

**WHAT COULD HAPPEN**

- Severe burns can occur on contact.

**HOW TO AVOID HAZARD**

- Allow engine parts, especially muffler, to cool down before maintaining and servicing.

Maintenance Interval	Maintenance Notice
Before each use or daily	Be sure chute and grass tube are unclogged

### 5.1 Cleaning debris

Maintenance Interval: Daily

- 1) Turn off the engine, remove the key, and wait for all moving parts to stop.
- 2) Raise the front of the unit and support it with jack stands or equivalent support to the transportation position.

**⚠ CAUTION**

**POTENTIAL HAZARD**

- Raising the front of the unit relying solely on jacks could be dangerous.

**WHAT COULD HAPPEN**

- Jacks may not be enough support or may malfunction allowing the unit to fall, which could cause injury.

**HOW TO AVOID HAZARD**

- DO NOT rely solely on the jacks for support. Use adequate jack stands or equivalent support.

- 3) Clean the debris from the underside of the mower and in the bagger assembly.
- 4) Rinse the inside and outside of the bags, dust cover, and the grass tube of the mower.
- 5) After rinsing all of the parts, let them dry thoroughly and reinstall them.
- 6) With all parts installed, start and run the machine for a minute to assist in drying.

### 5.2 Replacing the bag

- 1) Disengage the PTO, move the motion control levers to the neutral locked position, and set the parking brake system.
- 2) Stop the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
- 3) Unlatch the catcher hood frame.
- 4) Detach the bags from the bagger frame.
- 5) Replace with the new bags.

## 6. Storage

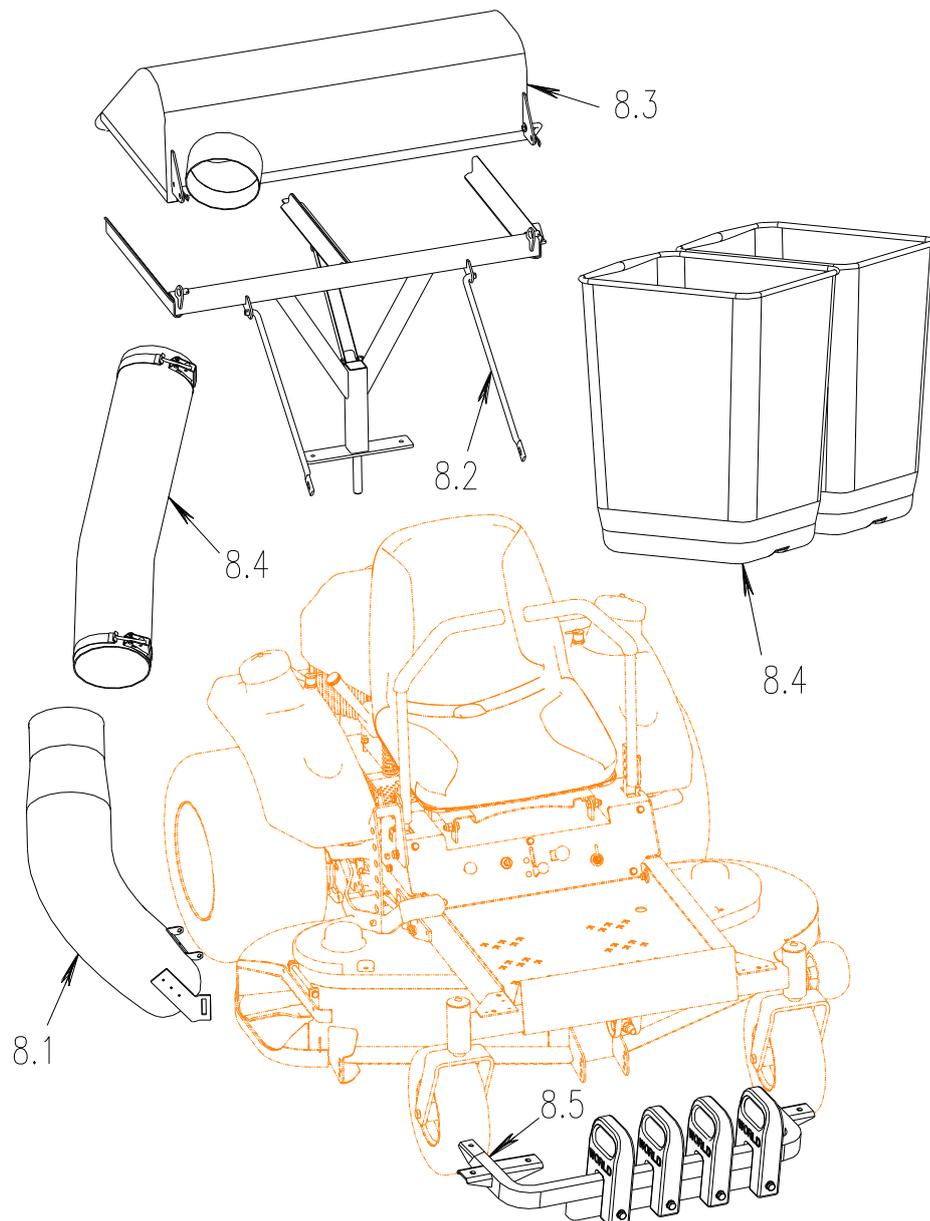
- 1) Clean the bagger attachment. Refer to cleaning the bagger.
- 2) Inspect the bagger attachment for damage.
- 3) Make sure the bags are empty and thoroughly dry.
- 4) Store the machine in a clean, dry place, out of direct sunlight. If storing the machine outside, cover it with a tarp which can provide protection for plastic parts and extend the life of the machine.

## 7. Troubleshooting

<b>Problem</b>	<b>Possible Cause</b>	<b>Corrective Action</b>
Abnormal vibration	<ul style="list-style-type: none"> <li>● Cutting blades are bent or unbalanced</li> </ul>	<ul style="list-style-type: none"> <li>● Install new cutting blade</li> </ul>
Reduced bagging performance	<ul style="list-style-type: none"> <li>● Low engine speed</li> <li>● Plugged screen in bagger hood</li> <li>● Bags are full</li> </ul>	<ul style="list-style-type: none"> <li>● Always operate the bagger at full throttle</li> <li>● Remove debris, leaves, or grass clippings from the screen</li> <li>● Empty the hopper</li> </ul>
Grass tubes plug too frequently	<ul style="list-style-type: none"> <li>● Bags are too full</li> <li>● Low engine speed</li> <li>● Grass is too wet</li> <li>● Grass is too long</li> <li>● Ground speed is too fast</li> </ul>	<ul style="list-style-type: none"> <li>● Dump bags more frequently</li> <li>● Always operate the bagger at full throttle</li> <li>● Cut grass when it is dry</li> <li>● Cut the grass several times</li> <li>● Drive slower at full throttle</li> </ul>
Debris blowout	<ul style="list-style-type: none"> <li>● Bags are full</li> <li>● Plug in the bagger system</li> <li>● Ground speed is too fast</li> </ul>	<ul style="list-style-type: none"> <li>● Dump bags more frequently</li> <li>● Clean the bagger system</li> <li>● Drive slower at full throttle</li> </ul>

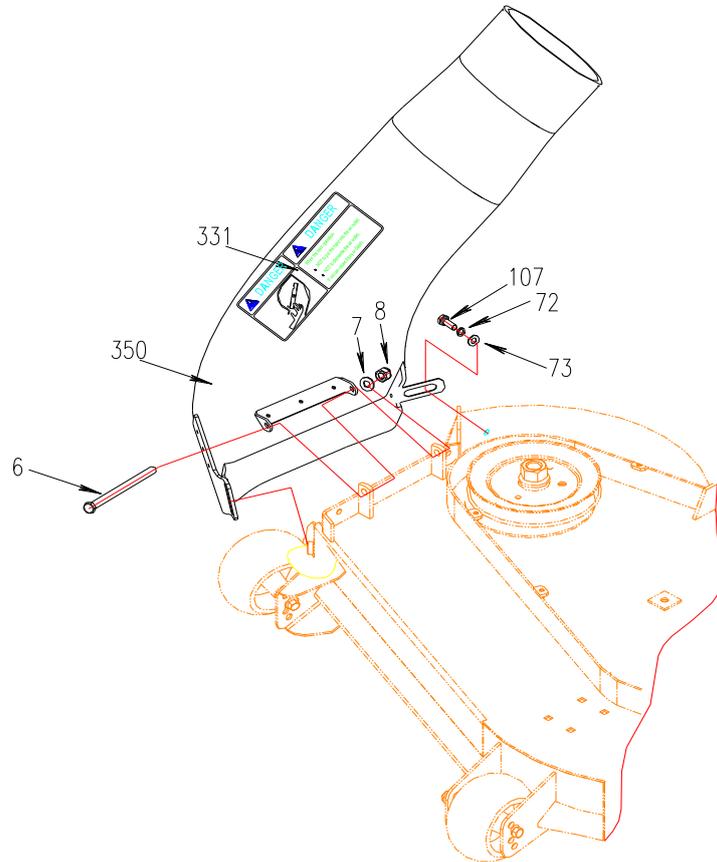
## 8. Parts Catalog

### General View



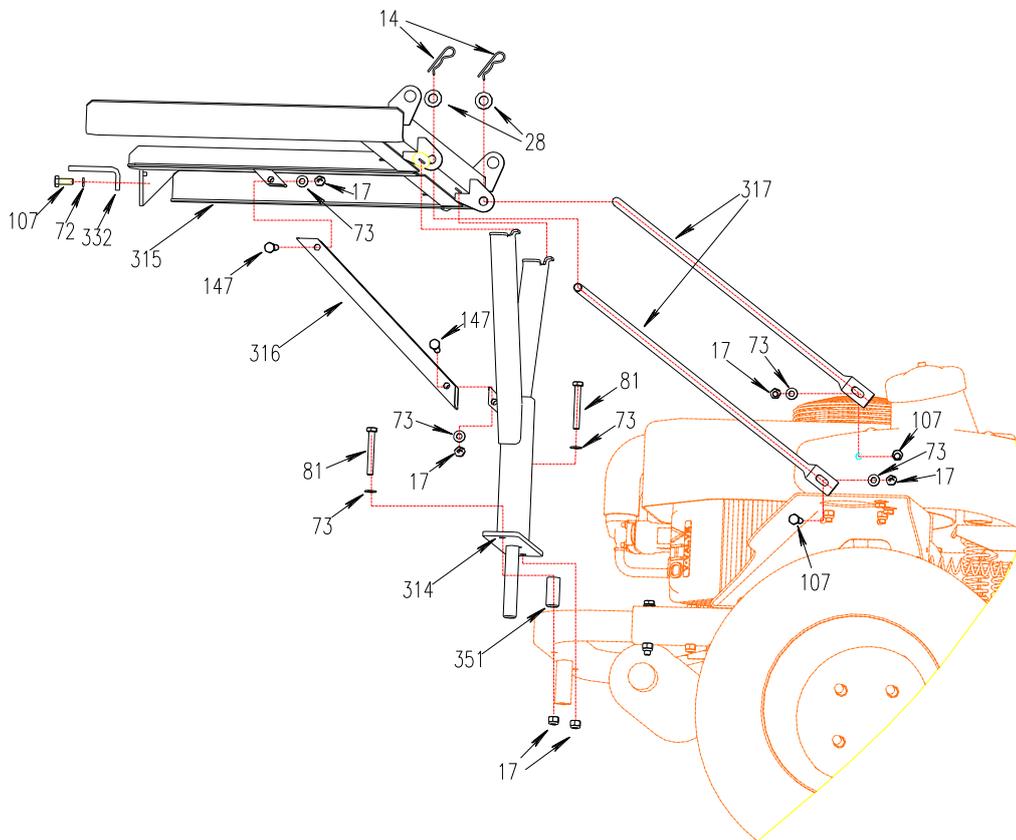
REF.	DESCRIPTION
8.1	Deck Discharge Tube and Blade Assembly
8.2	Lower Frame Assembly
8.3	Upper Frame Assembly
8.4	Grass Tube and Bag Assembly
8.5	Weight Frame Assembly

## 8.1 Deck Discharge Tube and Blade Assembly



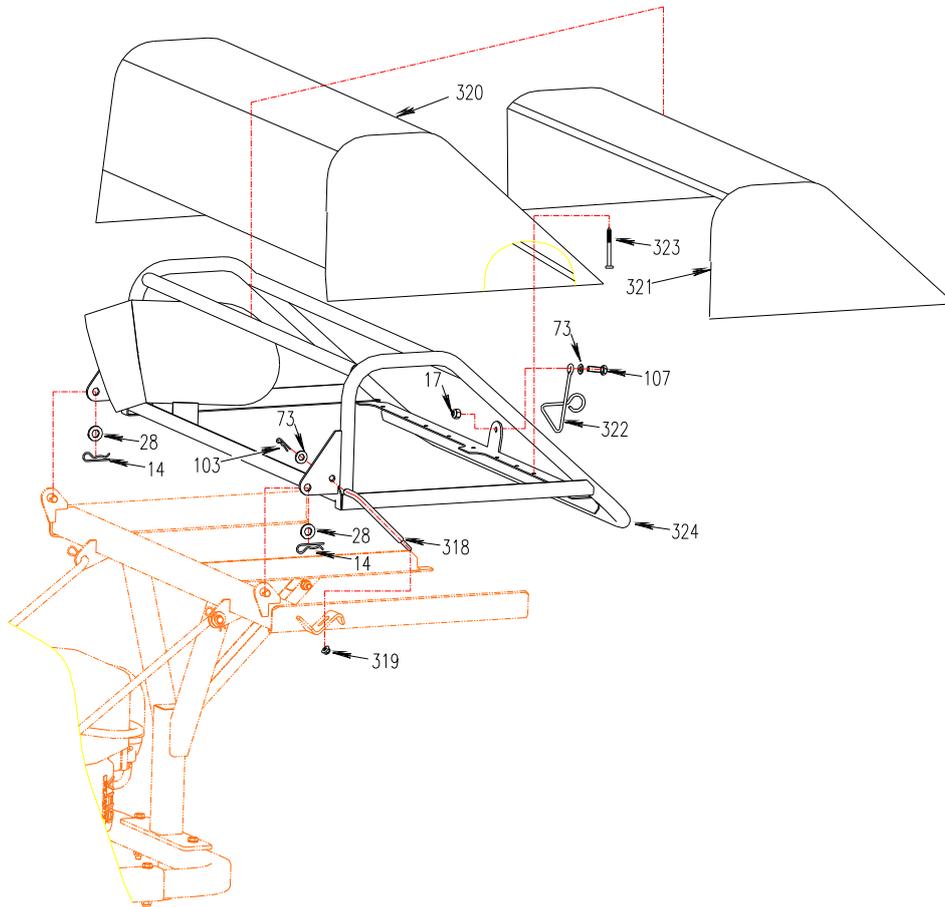
REF.	PART NO.	DESCRIPTION	42S	46S/XS	50U/XL	60U/XL
6	2802008	Hex Hd Bolt M10x160	×	×	×	×
7	B97.1-10	Flat Washer M10	×	×	×	×
8	B6182-10	Locknut M10	×	×	×	×
72	B93-8	Split Lock Washer M8	×	×	×	×
73	B97.1-8	Flat Washer M8	×	×	×	×
107	B5783-816	Hex Hd Bolt M8x16	×	×	×	×
331	8607	Decal,Danger	×	×	×	×
350	5003008	Deck Discharge Tube		×	×	
	5003013	Deck Discharge Tube				×
	5003216	Deck Discharge Tube	×			

## 8.2 Lower Frame Assembly



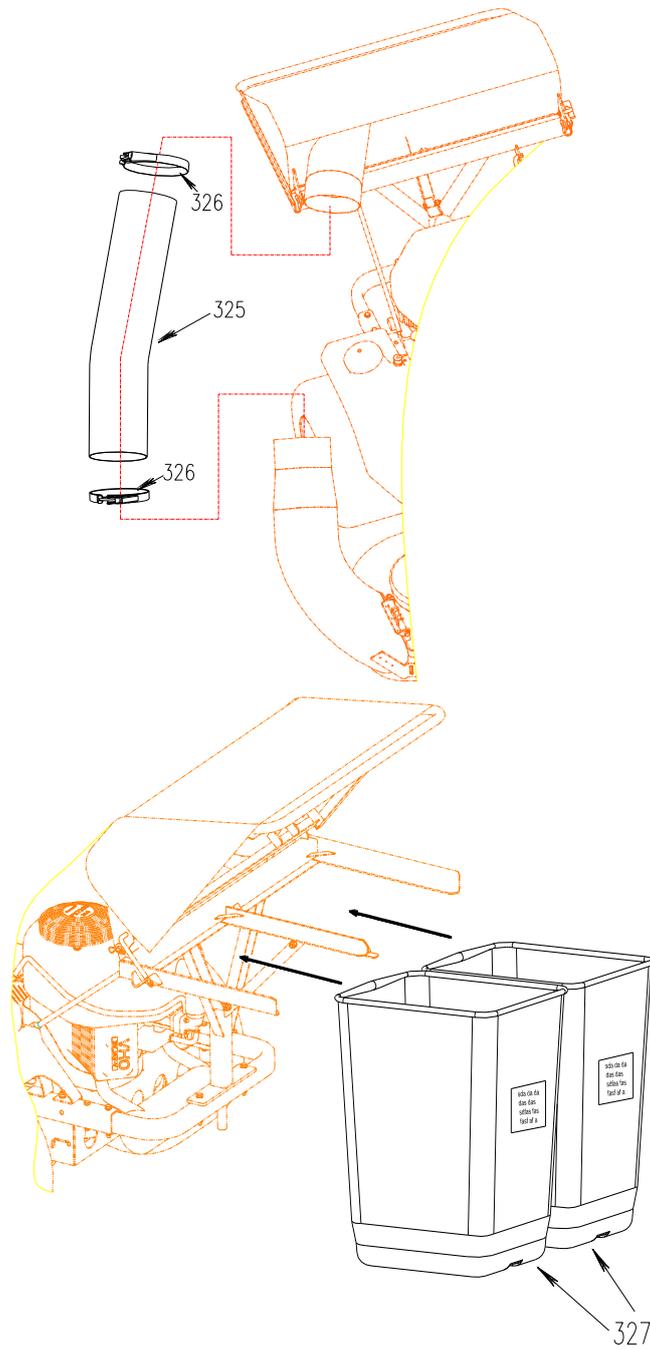
REF.	PART NO.	DESCRIPTION	42S	46S/XS	50U/XL	60U/XL
14	5202012	Hair Pin Cotter	x	x	x	x
17	B6182-8	Locknut M8	x	x	x	x
28	B97.1-12	Washer M12	x	x	x	x
72	B93-8	Washer 8	x	x	x	x
73	B97.1-8	Flat Washer M8	x	x	x	x
81	B5782-880	Hex Hd Bolt M8×80	x	x	x	x
107	B5783-825	Hex Hd Bolt M8×25	x	x	x	x
147	B5782-845	Bolt M8×45	x	x	x	x
314	5003079	Lower Frame Weldment 2	x	x	x	x
315	5003060	Bag Base Frame Weldment 1	x	x	x	x
316	5003063	Support Tube	x	x	x	x
317	5003002	Connecting Rod	x	x	x	x
332	5003205	Stop Plate	x	x	x	x
351	5002371	Clutch Stop Spacer	x	x	x	x

### 8.3 Upper Frame Assembly



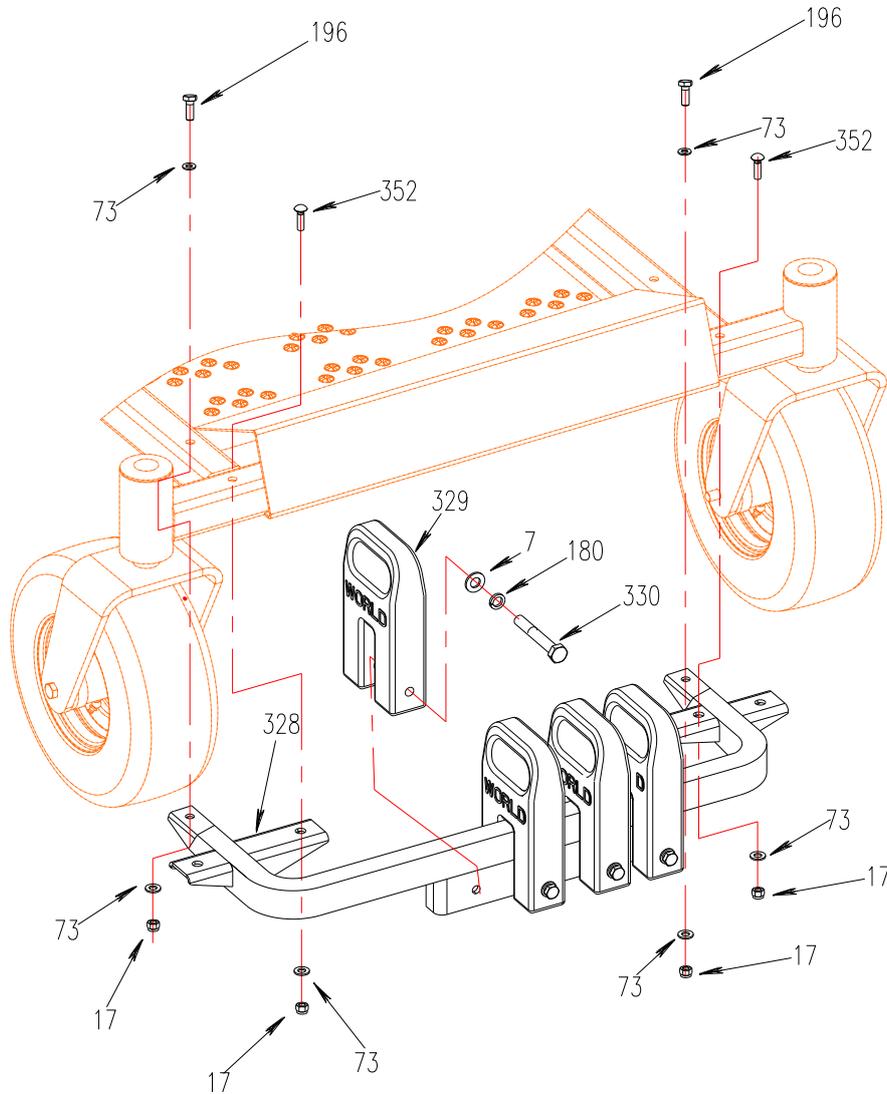
REF.	PART NO.	DESCRIPTION	42S	46S/XS	50U/XL	60U/XL
14	5202012	Hair Pin Cotter	x	x	x	x
17	B6182-8	Locknut M8	x	x	x	x
28	B97.1-12	Washer M12	x	x	x	x
73	B97.1-8	Flat Washer M8	x	x	x	x
103	XSZ56-1-17	Hair Pin Cotter	x	x	x	x
107	B5783-825	Hex Hd Bolt M8x25	x	x	x	x
318	5003001	Hood Stop Rod	x	x	x	x
319	B6187-6	Flange Nut M6	x	x	x	x
320	5003161	Grass Cover (Hood)	x	x	x	x
321	5003170	Dust Cover	x	x	x	x
322	5003003	Limit Spring	x	x	x	x
323	2808013	Plastic Cable Tie	x	x	x	x
324	5003040	Bag Upper Frame Weldment	x	x	x	x

## 8.4 Grass Tube and Bag Assembly

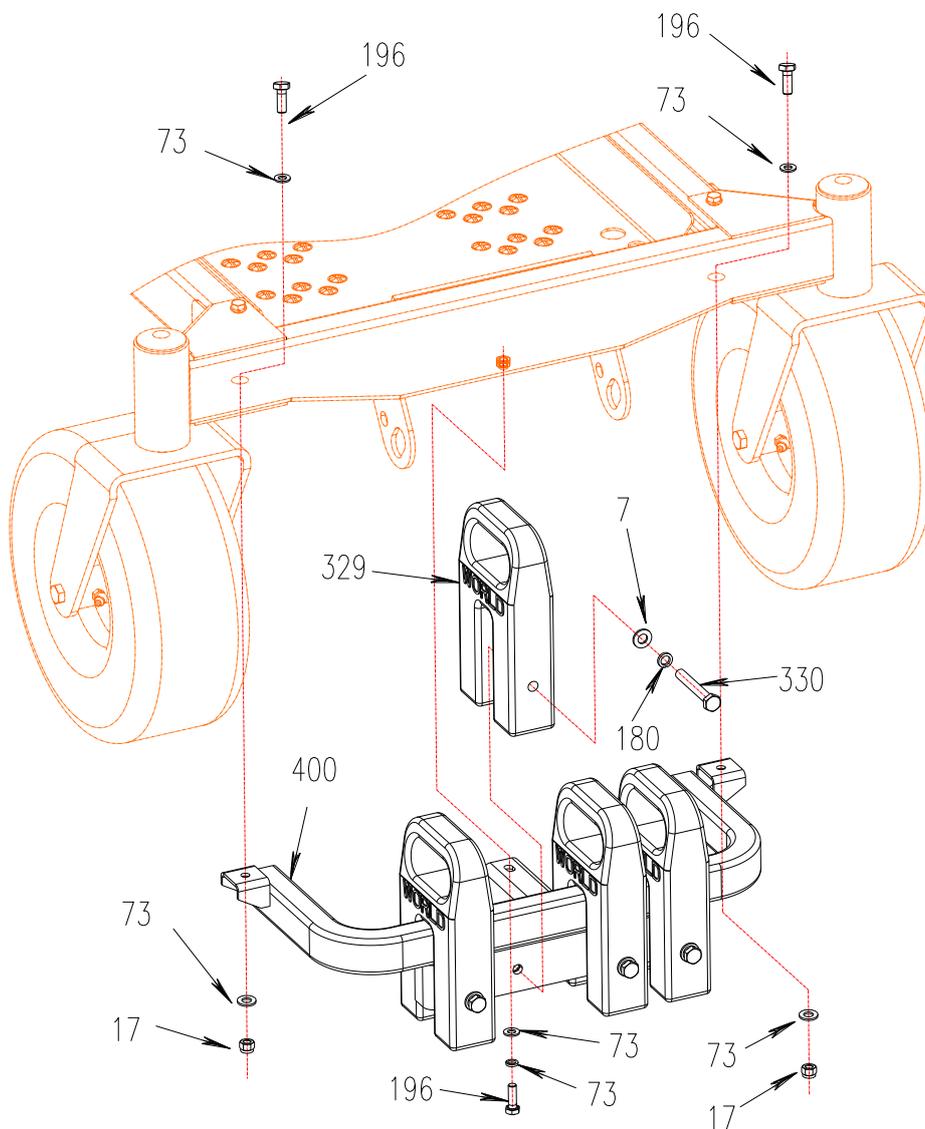


REF.	PART NO.	DESCRIPTION	42S	46S/XS	50U/XL	60U/XL
325	5210008	Center Grass Tube	×	×	×	×
326	5210240	Hose Clamp	×	×	×	×
327	5210170	Grass Bag	×	×	×	×

## 8.5 Weight Frame Assembly



REF.	PART NO.	DESCRIPTION	42S	46S/XS	50U/60U
7	B97.1-10	Flat Washer M10	x	x	x
17	B6182-8	Locknut M8	x	x	x
73	B97.1-8	Flat Washer M8	x	x	x
196	B5783-830	Hex Hd Bolt M8×30	x	x	x
180	B93-10	Washer M10	x	x	x
328	5003187	Weight Frame Weldment	x	x	x
329	5200025	Weights	x	x	x
330	B5782-1070	Bolt M10*70	x	x	x
352	B801-830	Bolt M8*30	x	x	x



REF.	PART NO.	DESCRIPTION	50XL	60XL
7	B97.1-10	Flat Washer M10	x	x
17	B6182-8	Locknut M8	x	x
73	B97.1-8	Flat Washer M8	x	x
196	B5783-830	Hex Hd Bolt M8×30	x	x
180	B93-10	Washer M10	x	x
329	5200025	Weights	x	x
330	B5782-1070	Bolt M10*70	x	x
400	5003190	Weight Frame Weldment	x	x

# **WORLDLAWN®**



**WORLDLAWN®**

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Form No. 28203-201908