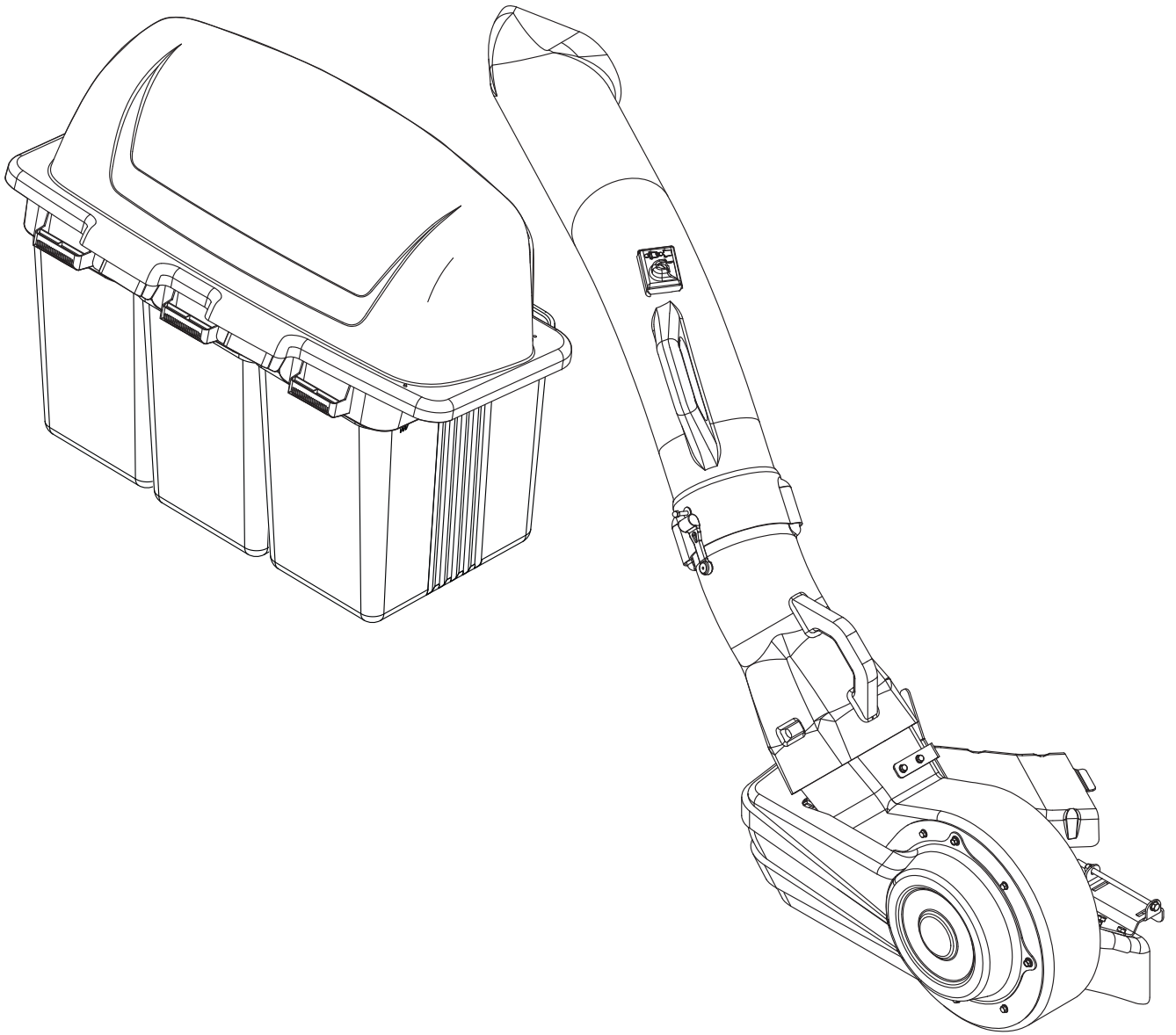


Operator and Parts Manual



Collection System
52" / 966793001
61" / 966793101

CONGRATULATIONS on the purchase of a new collection system. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact your nearest authorized service center/ department. They have competent, well-trained technicians and the proper tools for service and repairs.

Please read and retain this manual. The instructions will enable you to assemble and maintain your collection system properly. Always observe the SAFETY RULES.

KNOW YOUR BLOWER SYSTEM

READ THIS OPERATION MANUAL AND SAFETY RULES BEFORE ASSEMBLING OR OPERATING THE BLOWER SYSTEM. Compare the illustrations with the carton contents and become familiar with the parts before starting the assembly. Study the operating instructions and safety precautions thoroughly to insure proper functioning of the Grass Catcher and to prevent injuries. Save this manual for future reference.



CAUTION

BEFORE ASSEMBLING GRASS CATCHER TO MOWER:

- Set parking brake.
- Place motion control levers in **NEUTRAL** position.
- Turn ignition key **OFF** and remove key.
- Make sure the blades and all moving parts have completely stopped.



CAUTION

The operation of any mower can result in foreign objects thrown into the eyes, which can result in severe eye damage. **ALWAYS** wear safety glasses or eye shields before starting your mower and while mowing. Standard safety glasses are recommended or a wide vision safety mask for over spectacles.



WARNING

- **DO NOT** operate mower with grass catcher partially installed.
- Disengage blades and stop engine before leaving mower seat to empty containers, unclogging chutes, etc.
- Close cover before starting.
- Disengage mower blades when crossing driveways or gravel surfaces and other areas where thrown objects could be a hazard.
- **DO NOT** attempt to vacuum cans or other potentially hazardous projectiles.



CAUTION

Do not leave grass in bagger containers. Empty containers after each use and before storing. Failure to do so may result in spontaneous combustion which could develop into a fire.



CAUTION

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 with manufacturer's recommended parts, when necessary.

CONTENTS

SAFETY RULES.....	4
GENERAL OPERATION.....	4
SLOPE OPERATION.....	4
SERVICE	4
ASSEMBLY	5
REPAIR PARTS.....	10
OPERATION.....	18

TOOLS REQUIRED

$\frac{7}{16}$ " Wrench or ratchet and socket
 $\frac{1}{2}$ " Wrench or ratchet and socket
 $\frac{7}{8}$ " Socket
Torque Wrench
Phillips Head Screwdriver
Hacksaw
Pliers
Drill and $\frac{3}{8}$ " drill bit

CONTAINER CONTENTS

Blower Assembly	• Drive Pulley
Belt Shield	• Belt
Mounting Brackets	• Bag of Hardware

NOTE: When the terms RH (right hand) or LH (left hand) are used, it refers to when the operator is seated on the mower.

SAFETY RULES



SAFE OPERATION PRACTICES FOR RIDE-ON MOWERS



GENERAL OPERATION

- Read, understand and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, stones, toys, wire etc., which could be picked up and thrown by the blades.
- Be sure the area is clear of all people and pets before mowing. Stop the machine if anyone enters the area.
- Never carry passengers or children even with blades off.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Do not operate the mower without either the entire grass catcher or the guard in place.
- Slow down before turning.
- Stop engine before removing grass catcher or unclogging chute.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- If the collection system has front weights included, DO NOT operate mower with the grass catcher unless the front weights are installed.
- Keep machine free of grass, leaves or other debris buildup which can touch hot exhaust/engine parts and burn. Do not allow the mower deck to plow leaves or other debris which can cause buildup to occur.
- Allow machine to cool before storage.

SLOPE OPERATION

Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

DO

- Use extra care with grass catchers or other attachments. These can change the stability of the machine.
- Mow up and down slopes (10° Max.), not across.
- Remove obstacles such as rocks, tree limbs, etc.

- Watch for holes, ruts, or bumps. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Use slow speed. Choose a low speed so that you will not have to stop while on the slope.
- Keep all movement on the slopes slow and gradual. Do not make sudden changes in speed or direction.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly straight down the slope.

DO NOT

- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.
- Do not mow near drop-off, ditches, or embankments. The mower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.
- Do not mow on wet grass. Reduced traction could cause sliding.
- Do not try to stabilize the machine by putting your foot on the ground.

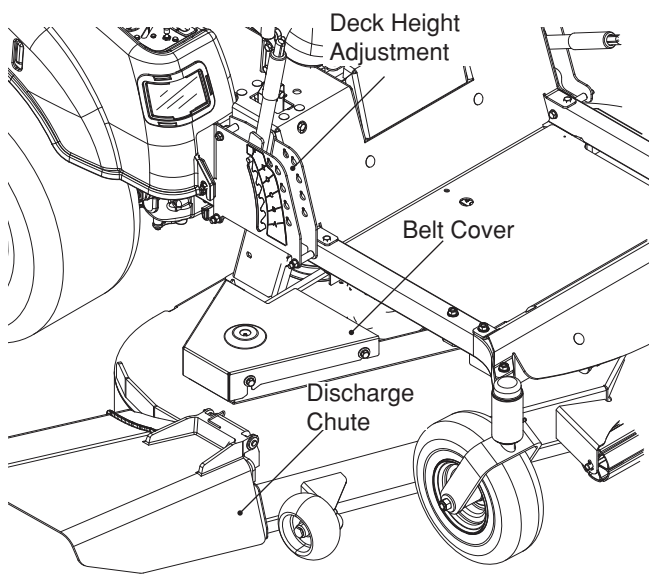
SERVICE

- The operation of any mower can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating the mower or performing any adjustments or repairs. Wide vision safety mask over spectacles or standard safety glasses are recommended.
- Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check there proper operation regularly.
- 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 with manufacturer's recommended parts, when necessary.

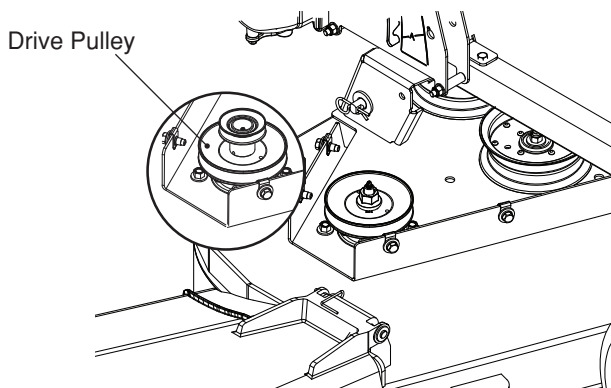
ASSEMBLY

1 INSTALLING DRIVE PULLEY

1. Remove the discharge chute from the deck.
(Deck configuration will vary by size and model)
2. Lower deck to the lowest cutting position.
3. Remove the right hand (discharge side) belt cover from the deck.
4. Relieve the tension from the deck belt and remove from the center deck pulley.
(See Operator's Manual if necessary)

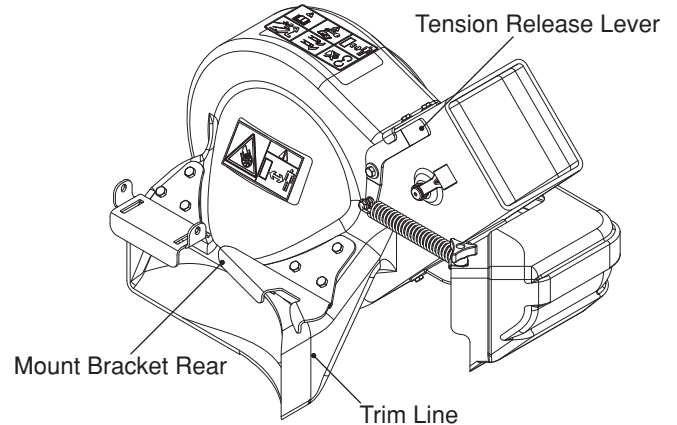


5. Remove the nut securing the right hand deck pulley to the spindle.
6. Install drive pulley included in collection system kit on top of the current deck pulley.
7. Reinstall the nut on the spindle and torque to 55-75 ft/lbs.
8. Reinstall the deck belt.



2 TRIMMING BLOWER

1. Place blower assembly on secure table or stable surface.
2. Remove the bolts securing the rear mount bracket.
3. Using the hacksaw, trim the blower housing along the recessed grooves.
4. Reinstall the rear mount bracket with previously removed bolts.

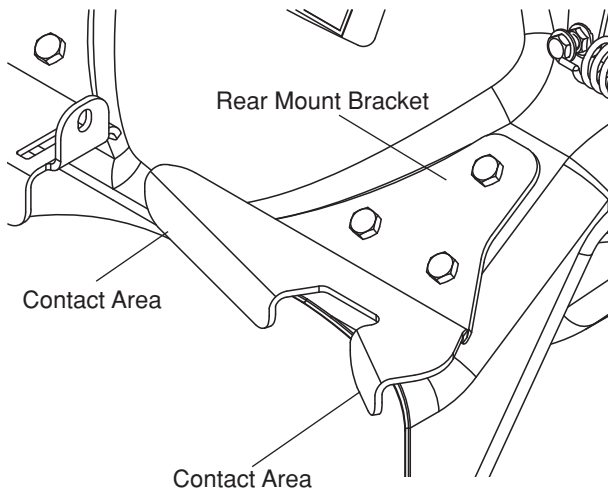


ASSEMBLY

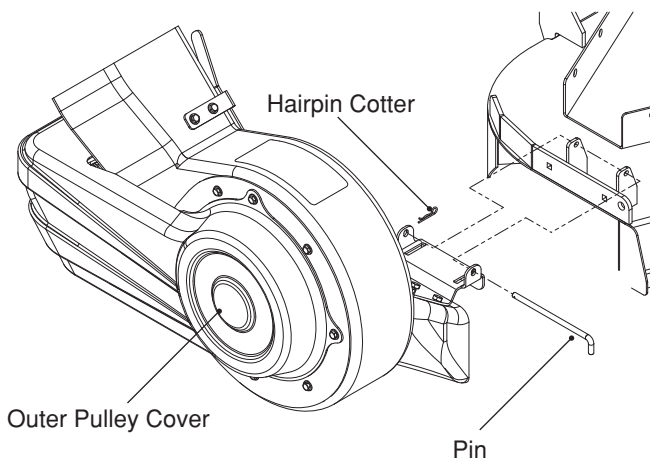
3 MOUNTING BLOWER ASSEMBLY

1. Position blower over the discharge tabs on the deck and set blower onto the deck.
2. Be sure the blower is sitting flush against the outside of the deck.

NOTE: *The rear mount bracket is designed to fit all deck sizes.*

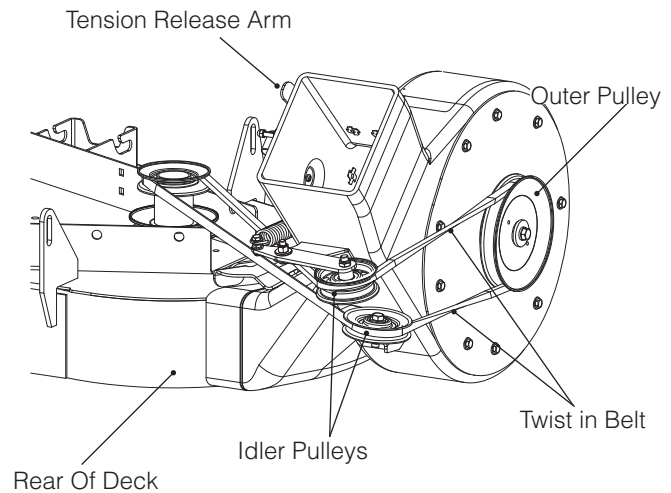


3. Install the front mount bracket to the deck with the pin and hairpin cotter supplied with the kit.



4 INSTALLING DRIVE BELT

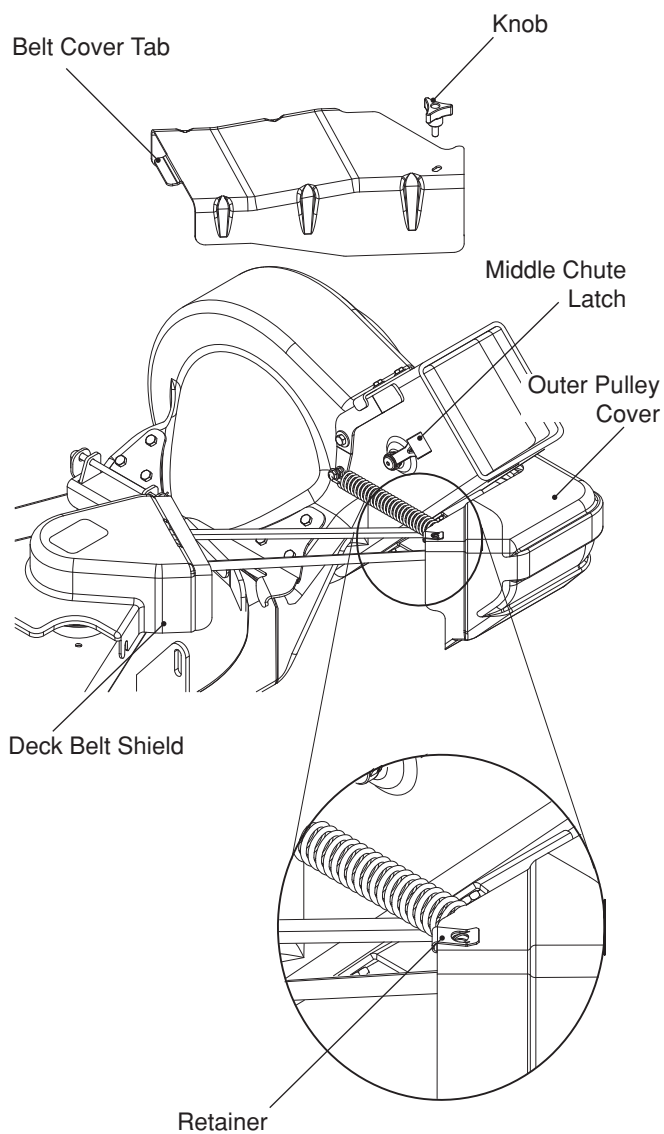
1. Make sure the tension release lever is forward or disengaged.
2. Place the belt over the pulley on the deck. Refer to illustration for proper routing.
3. Move the tension release arm to the rear and engage in the latch.



ASSEMBLY

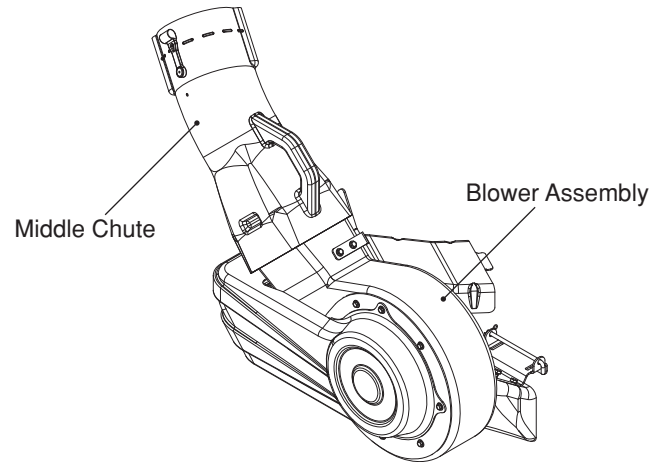
5 INSTALLING BELT COVERS

1. Place the deck belt shield on the deck over the drive pulley and secure with hardware removed from steel belt shield.
2. Place retainer on the outer pulley cover.
3. Align the tab end of the belt cover into the slot on the deck belt shield and the other end over the end of the outer pulley cover.
4. Secure with knob.



6 INSTALLING MIDDLE CHUTE

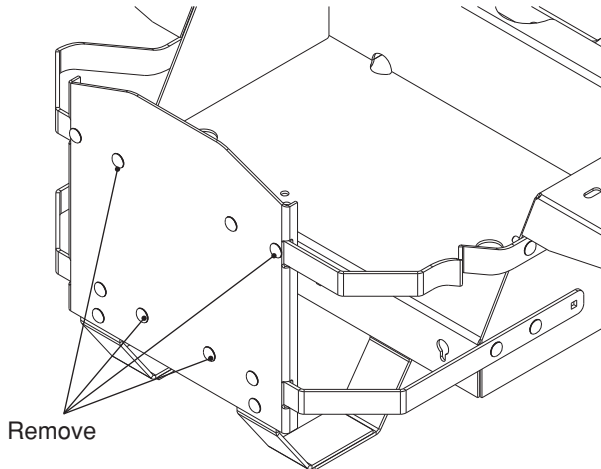
1. Place middle chute over the top end of the blower assembly.
2. Latch middle chute to blower assembly.



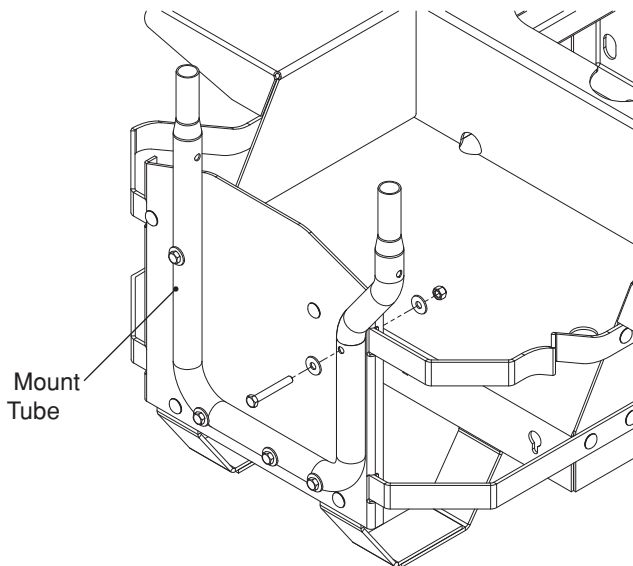
ASSEMBLY

7 INSTALLING BAGGER MOUNT

1. Remove the four carriage bolts indicated from the rear guard.



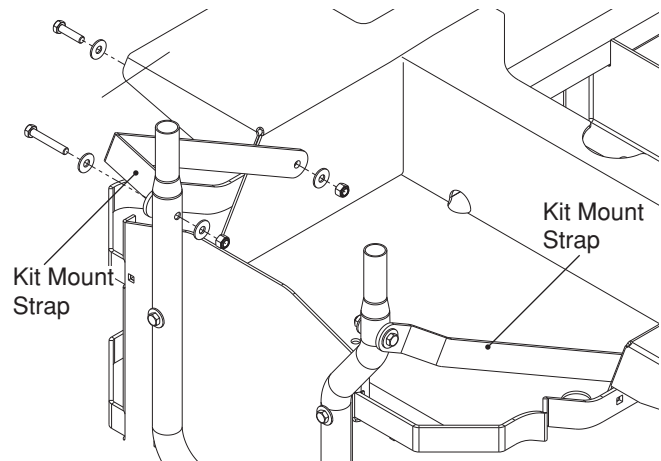
2. Install the bagger mount tube from the mount kit.



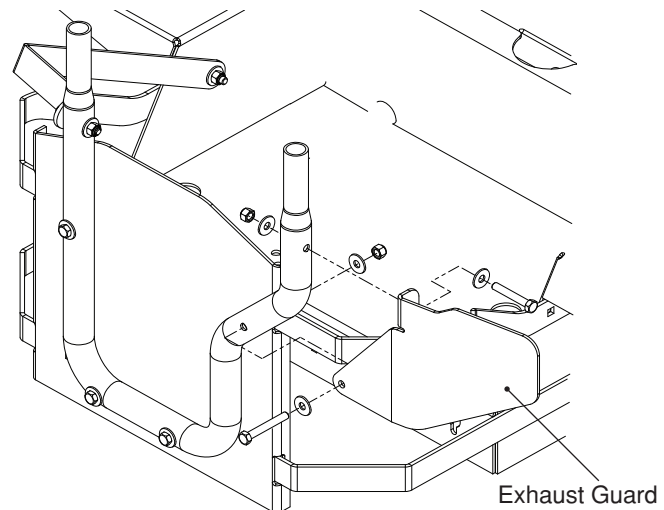
3. Remove the front carriage bolts securing the top mount straps to the frame. Install kit mount straps between the mount tube and frame as shown in the illustration. The front side of the kit mount straps should be on the inside of the mower frame.

NOTE: Models with vertically mounted muffler will not use the right mount strap.

4. Tighten all hardware.



Vertical Mount Mufflers



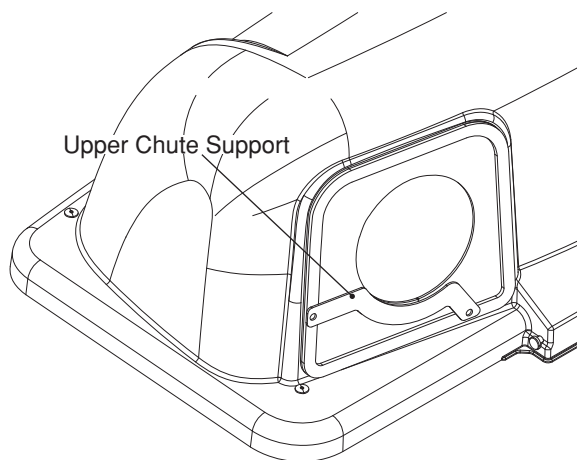
1. Install exhaust guard to right side of mount as shown.
2. Secure with hex bolts, washers and hex nuts.

NOTE: Models with vertically mounted muffler will not use the right mount strap.

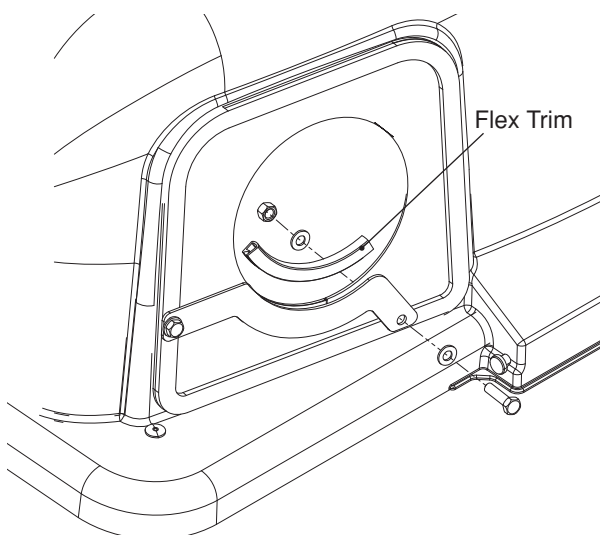
ASSEMBLY

8 INSTALLING CHUTE SUPPORT

1. Position upper chute support against bagger inlet, flush at outer edges. See Illustration.
2. Using support as a template, drill two $\frac{3}{8}$ holes into bagger hood.



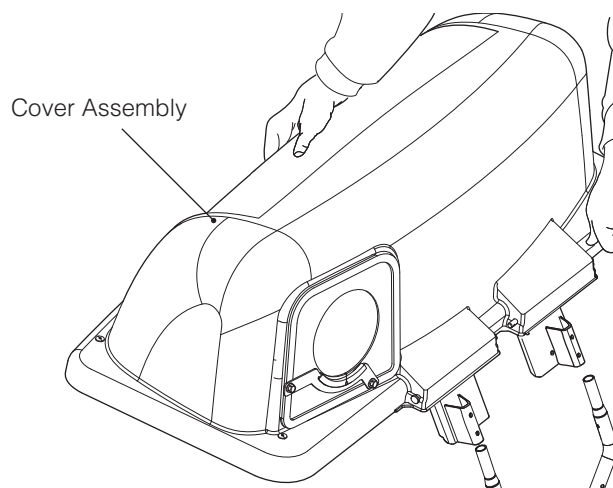
3. Secure upper chute support to hood with hex bolts, washers and nyloc nuts.



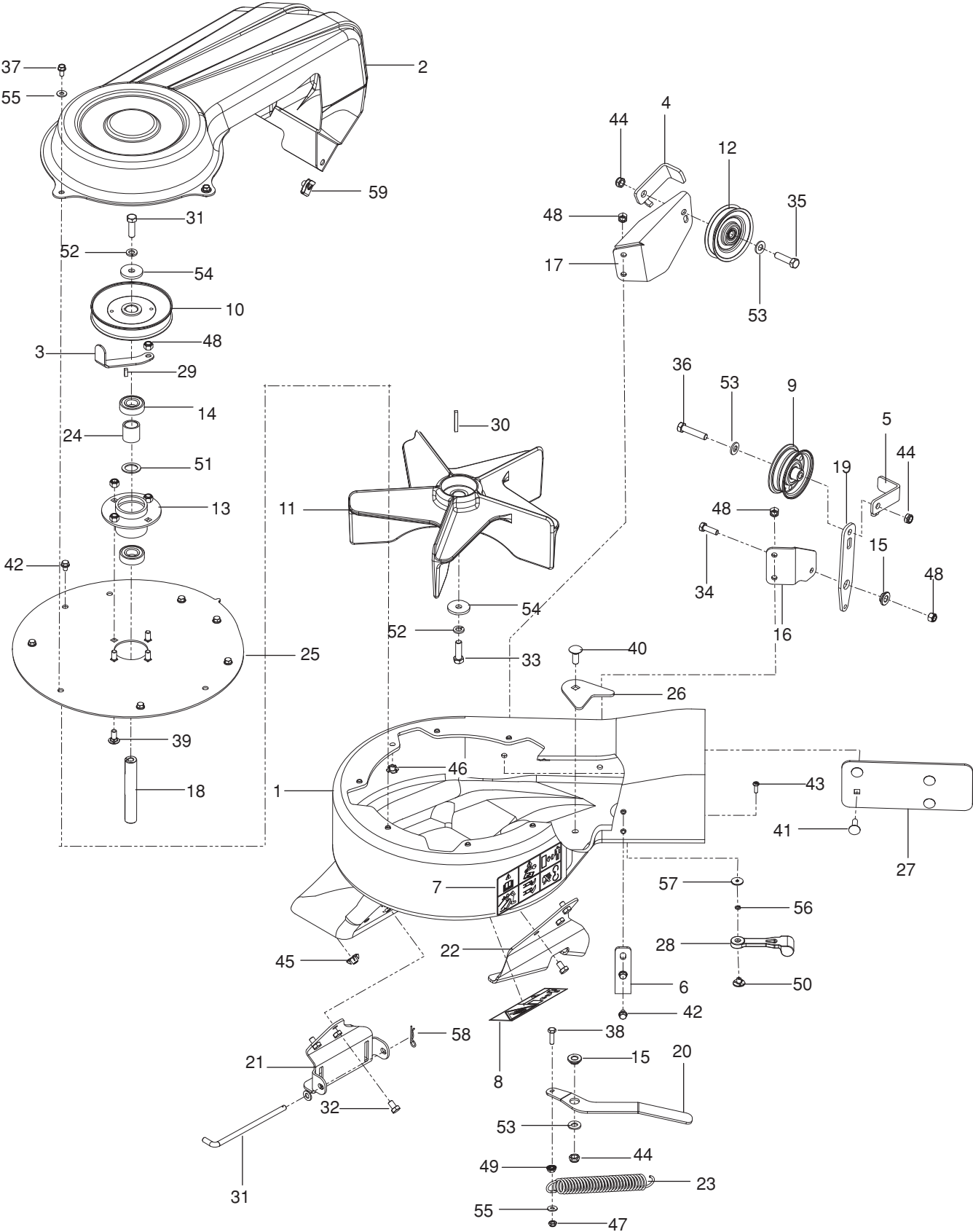
9 MOUNTING COVER ASSEMBLY TO SUPPORT ASSEMBLY

NOTE: For ease of assembly, you may wish assistance from another person for mounting the cover assembly to mower.

1. Position cover assembly on ground behind mower.
2. Lift and rotate cover to align the cover brackets with support assembly tubes.
3. Slide the cover down over the support tubes until secure.



REPAIR PARTS

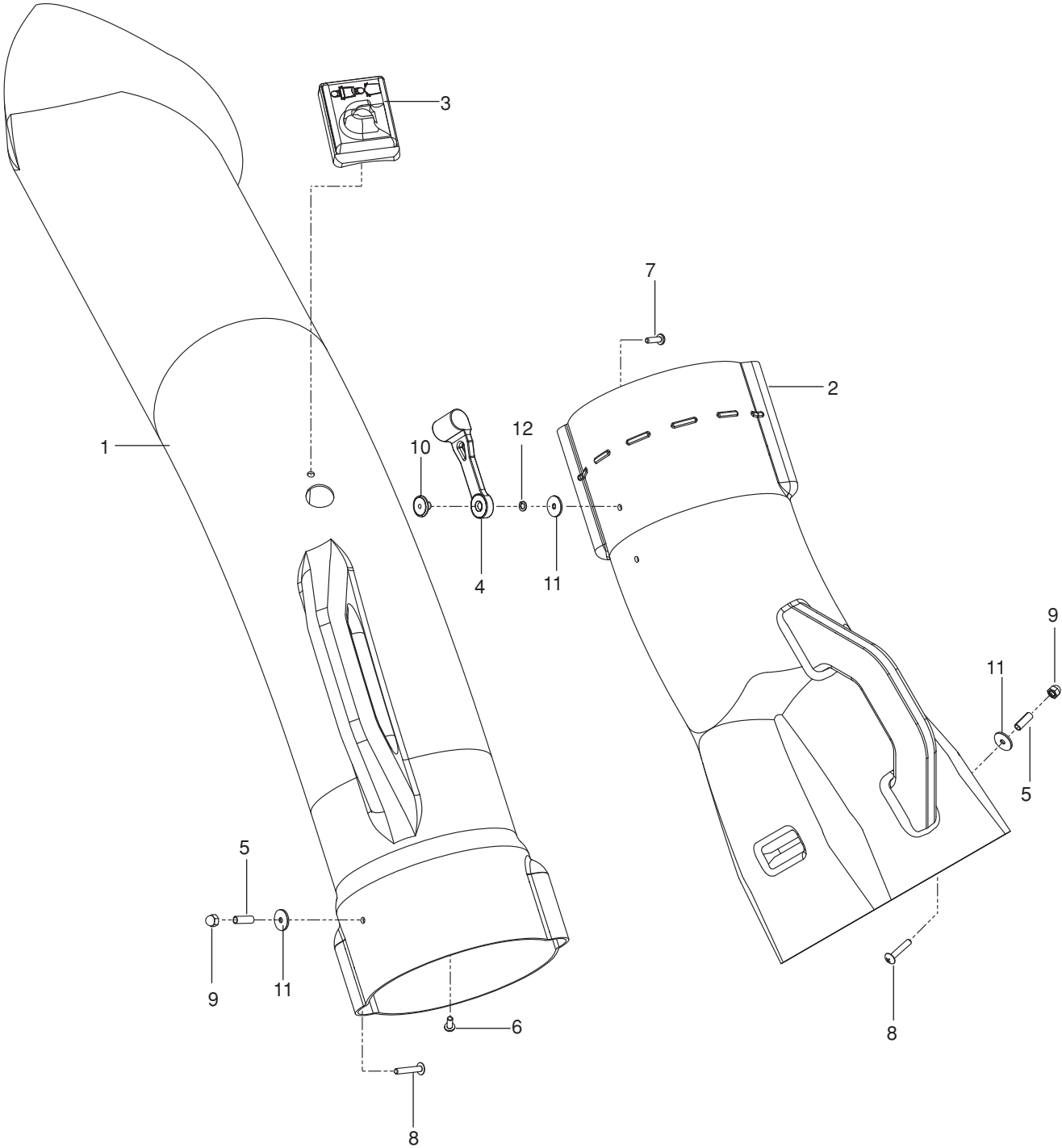


REPAIR PARTS

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1..	539 130344....	1....	HOUSING w/DECALS	31..	539 130317....	1....	PIN
2..	539 130293....	1....	COVER, BELT	32..	539 130315....	6....	HCS $\frac{5}{16}$ -18 x $\frac{1}{2}$
3..	539 131085....	1....	KEEPER, BELT OUTER	33..	539 110321....	2....	HCS $\frac{3}{8}$ -24 x $1\frac{1}{4}$ GR 8
4..	579 137702....	1....	KEEPER	34..	539 990209....	1....	HCS $\frac{5}{16}$ -18 x 1
5..	579 137602....	1....	KEEPER	35..	539 990655....	1....	HCS $\frac{3}{8}$ -16 x $1\frac{1}{2}$
6..	539 130346....	1....	KEEPER, BELT REAR	36..	539 976949....	1....	HCS $\frac{3}{8}$ -16 x $1\frac{3}{4}$
7..	539 105785....	1....	DECAL, WARNING	37..	539 108461....	3....	HCS $\frac{1}{4}$ -20 x $\frac{1}{2}$
8..	539 106741....	1....	DECAL, SEVERING	38..	539 990643....	1....	HCS $\frac{1}{4}$ -20 x $\frac{7}{8}$
9..	579 150802....	1....	PULLEY, IDLER	39..	539 990316....	4....	RHSNB $\frac{5}{16}$ -18 x $\frac{3}{4}$
10..	539 130324....	1....	PULLEY	40..	539 990645....	1....	RHSNB $\frac{3}{8}$ -16 x 1
11..	539 130292....	1....	IMPELLER	41..	539 990208....	4....	RHSNB $\frac{5}{16}$ -18 x 1
12..	539 113683....	1....	V-IDLER	42..	539 990302....	8....	SCREW $\frac{1}{4}$ x $\frac{3}{8}$ THRD FRM
13..	539 130295....	1....	HUB, BEARING	43..	539 976952....	1....	SCREW #10-24 x $\frac{5}{8}$
14..	539 130296....	2....	BEARING	44..	539 200282....	3....	NUT $\frac{3}{8}$ -16 HEX JAM NYLOC
15..	539 130301....	2....	BUSHING	45..	539 130313....	6....	NUT $\frac{5}{16}$ -18 TEE
16..	579 137402....	1....	MOUNT, IDLER, UPPER	46..	539 130314..	11....	NUT $\frac{1}{4}$ -20 TEE
17..	579 137502....	1....	MOUNT, IDLER, LOWER	47..	539 108120....	1....	NUT $\frac{1}{4}$ -20 HEX NYLOC
18..	539 130316....	1....	SHAFT, IMPELLER	48..	539 990717....	9....	NUT $\frac{5}{16}$ -18 HEX NYLOC
19..	579 137302....	1....	ARM, IDLER	49..	539 108735....	1....	NUT $\frac{1}{4}$ -20 HEX FLANGE
20..	539 130338....	1....	ARM, TENSION	50..	539 108089....	1....	WELD NUT, PLATED
21..	539 130339....	1....	BRACKET, MOUNT, FRONT	51..	539 910935....	1....	WASHER
22..	539 130340....	1....	BRACKET, MOUNT, REAR	52..	539 990118....	2....	WASHER $\frac{3}{8}$ SPLT LOCK
23..	539 101977....	1....	TRACTION SPRING	53..	539 990122....	3....	WASHER $\frac{3}{8}$ SAE FLT
24..	539 130323....	1....	SPACER	54..	539 110323....	2....	WASHER, HARDENED
25..	539 130341....	1....	PLATE, OUTER	55..	539 990055....	4....	WASHER $\frac{1}{4}$ FLAT SAE
26..	539 132124....	1....	PLATE, BACKING	56..	539 109552....	2....	WASHER $\frac{3}{16}$ LOCK
27..	539 132122....	1....	PLATE, BACKING	57..	539 108084....	2....	WASHER $\frac{3}{16}$ x $\frac{3}{4}$ x 16 GA
28..	539 108088....	1....	LATCH, HOOD	58..	539 976988....	1....	HAIRPIN
29..	539 115667....	1....	KEY $\frac{3}{16}$ x $\frac{1}{2}$	59..	539 104763....	1....	RETAINER U TYPE
30..	539 125229....	1....	KEY $\frac{3}{16}$ x $1\frac{1}{2}$				

NOTE: ALL FASTENERS ARE GRADE 5 UNLESS OTHERWISE SPECIFIED.

REPAIR PARTS



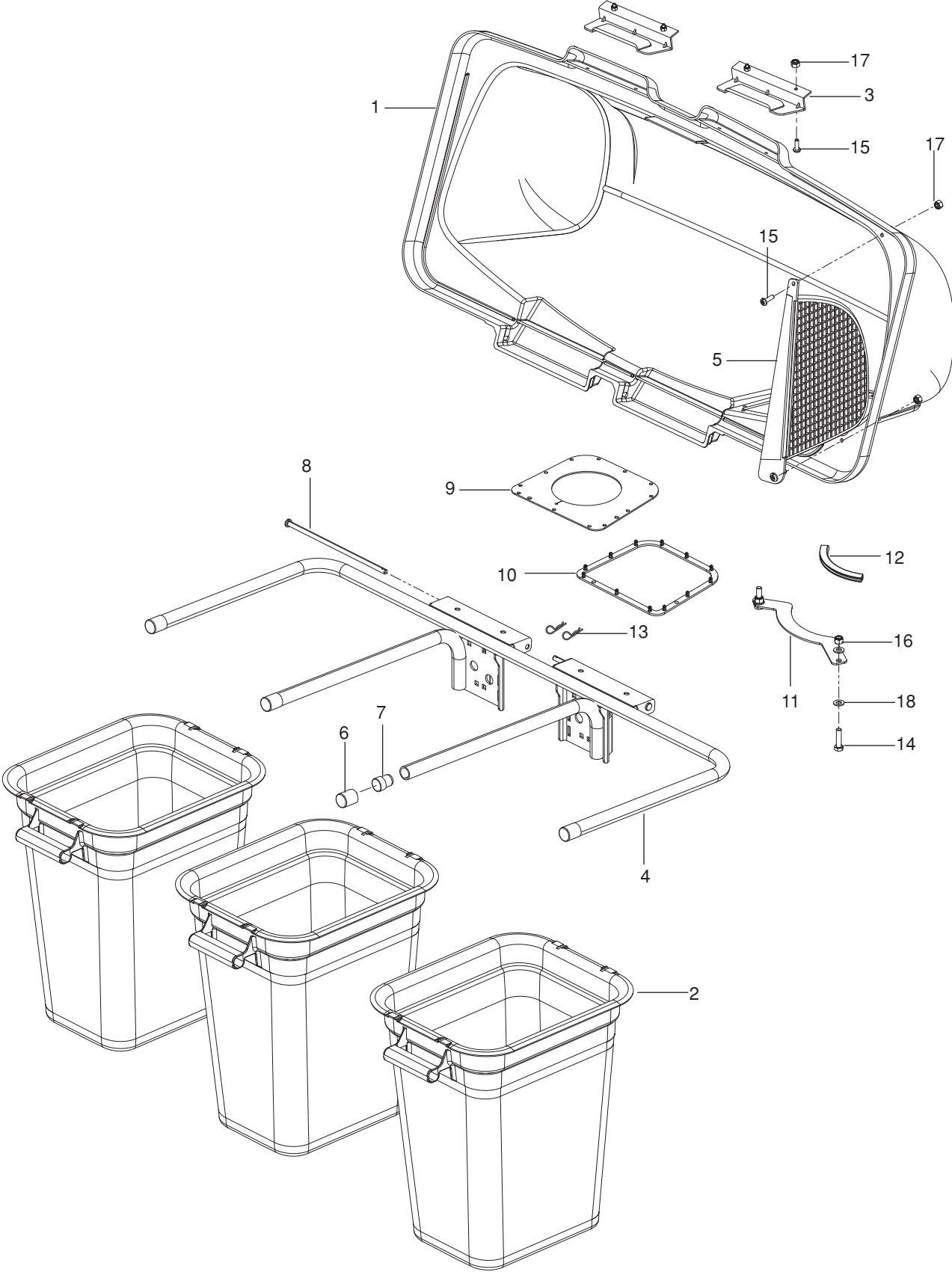
REPAIR PARTS

ITEM	PART NO.	QTY.	DESCRIPTION
1..	539 108141....	1....	CHUTE, UPPER
2..	539 130294....	1....	CHUTE, MIDDLE
3..	539 108082....	1....	INDICATOR, BAG DUMP
4..	539 108088....	1....	LATCH, HOOD
5..	539 108085....	2....	SPACER, SPLIT
6..	539 108081....	1....	SCREW #10-14 x 1/2

ITEM	PART NO.	QTY.	DESCRIPTION
7..	539 976952....	1....	SCREW #10-24 x 5/8
8..	539 108083....	2....	SCREW #10-24 x 1 1/8
9..	539 108086....	2....	NUT #10-24 ACORN
10..	539 108089....	1....	WELD NUT, PLATED
11..	539 108084....	3....	WASHER 3/16 x 3/4 x 16 GA
12..	539 109552....	2....	WASHER 3/16 LOCK

NOTE: ALL FASTENERS ARE GRADE 5 UNLESS OTHERWISE SPECIFIED.

REPAIR PARTS



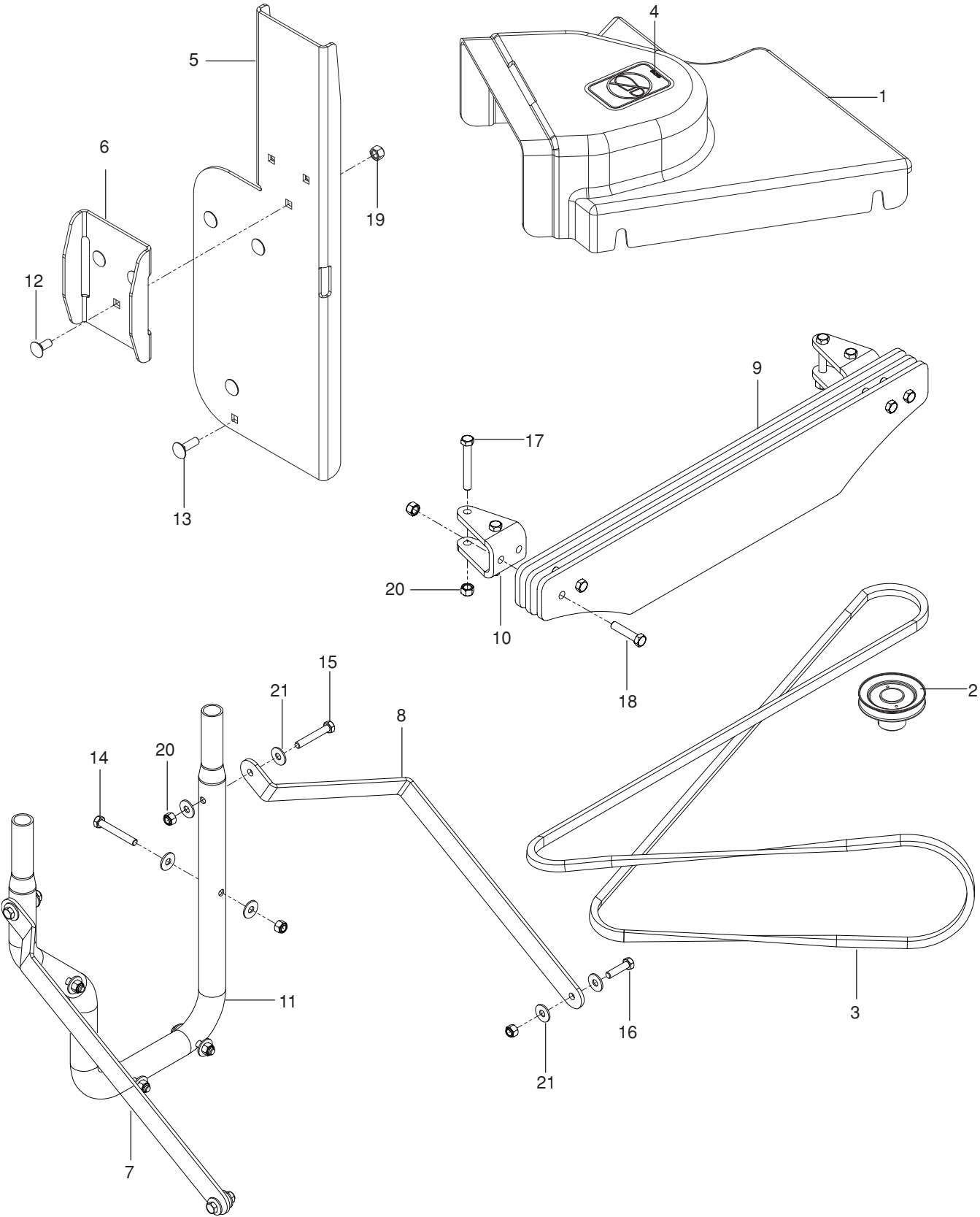
REPAIR PARTS

ITEM	PART NO.	QTY.	DESCRIPTION
1..	532 195373....	1....	COVER
2..	532 400226....	3....	CONTAINER, SOFT BAG
3..	532 130895....	2....	HANDLE, BAGGER COVER
4..	539 108098....	1....	FRAME, BAGGER
5..	532 192709....	1....	SCREEN, COVER
6..	539 108097....	4....	PLUG, TUBING END
7..	522 801301....	2....	PLUG, SPACER
8..	532 192786....	2....	PIN, HINGE
9..	532 192550....	1....	SEAL, COVER

ITEM	PART NO.	QTY.	DESCRIPTION
10..	532 192603....	1....	GASKET, COVER
11..	539 110281....	1....	SUPPORT, CHUTE
12..	539 112294....	1....	FLEX TRIM
13..	539 108096....	2....	HAIR PIN
14..	539 990627....	2....	HCS $\frac{5}{16}$ -18 x $1\frac{1}{4}$
15..	539 976952....	6....	SCREW #10-24 x $\frac{5}{8}$
16..	539 112899....	2....	NUT $\frac{5}{16}$ -18 HEX FLG NYLOC
17..	539 976977....	6....	NUT #10-24 CROWNLOCK
18..	539 990188....	4....	WASHER $\frac{5}{16}$ SAE

NOTE: ALL FASTENERS ARE GRADE 5 UNLESS OTHERWISE SPECIFIED.

REPAIR PARTS



REPAIR PARTS

ITEM	PART NO.	QTY.	DESCRIPTION
1..	539 130307....	1....	SHIELD, BELT, 52"
	539 130308 ...	1	SHIELD, BELT, 61"
2..	539 130320....	1....	PULLEY, 52"
	539 130321 ...	1	PULLEY, 61"
3..	539 130347....	1....	BELT, 48/52"
	539 130348 ...	1	BELT, 61"
4..	539 105743....	1....	DECAL, NO STEP
5..	539 130342....	1....	PLATE, MOUNT
6..	539 130343....	1....	PLATE, BACKING
7..	539 131089 ...	1 ...	STRAP, RT
8..	539 131090 ...	1 ...	STRAP, LT
9..	539 113232....	3....	WEIGHT PLATE
10..	539 113203....	2....	WEIGHT BRACKET

ITEM	PART NO.	QTY.	DESCRIPTION
11..	539 131091 ...	1 ...	TUBE, MOUNT
12..	539 990316....	3....	RHSNB $\frac{5}{16}$ -18 x $\frac{3}{4}$
13..	539 990208....	4....	RHSNB $\frac{5}{16}$ -18 x 1
14..	539 102612....	4....	HCS $\frac{3}{8}$ -16 x $2\frac{3}{4}$
15..	539 976949....	4....	HCS $\frac{3}{8}$ -16 x $1\frac{3}{4}$
16..	539 976937 ...	2 ...	HCS $\frac{5}{16}$ -18 X 2
17..	539 976938 ...	4 ...	HCS $\frac{5}{16}$ -18 X $2\frac{1}{4}$
18..	539 990627 ...	2 ...	HCS $\frac{5}{16}$ -18 X $1\frac{1}{4}$
19..	539 990717..	11....	NUT $\frac{5}{16}$ -18 HEX NYLOC
20..	539 976979....	8....	NUT $\frac{3}{8}$ -16 HEX NYLOC
21..	539 990692 .	16 ...	WASHER $\frac{5}{16}$ STD FLT

NOTE: ALL FASTENERS ARE GRADE 5 UNLESS OTHERWISE SPECIFIED.

OPERATION

TIPS FOR IMPROVED BAGGING

- Follow the mower operation instructions in your mower operator's manual.
- When operating your grass catcher on a lawn where grass and leaf bagging equipment has not been used, you are picking up thatch and debris that has accumulated for long periods of time. The amount collected and the total time of operation may be greater than you will experience with regular use of your grass catcher.
- Always run throttle at full speed when bagging.
- Select a speed low enough to give good mower cutting performance, good quality cut and good bagging performance.

NOTE: *It may be necessary to overlap width of cut to suit your conditions.*

- If grass is extremely tall, it should be mowed twice. The first time relatively high, the second time to desired height.
- Use left hand side of mower for trimming.
- Plastic trash bags (3.0 mil, 30 gallon) can be inserted inside grass catcher containers for ease of debris disposal. To remove the plastic trash bags when full:
 - a. Disengage blades, shift into neutral, engage the parking brake and stop the engine.
 - b. Unlatch and raise cover.
 - c. Remove one container at a time by grasping container handles and pulling toward the rear, off of the tube rails.
 - d. With the container resting on the ground, close and secure the top of the plastic lawn bag.
 - e. Tip the container on its side and slide the filled bag from the container.
 - f. Install a new plastic lawn bag with the edges of the bag draped over upper lip of the Container.
 - g. Repeat for other container.
 - h. Reinstall containers making sure right container overlaps left container at center supports.
 - i. Close cover and secure latches over center support tubes.
- Avoid cutting wet grass or in the morning while the dew is still heavy. Grass clippings collected under these conditions tend to be sticky and adhere to the walls of the flow path causing clogging.

- If the grass catcher fails to pick up cut grass or leaves, it is an indication that clogging has occurred in the system or that the grass catcher containers are full.
 - a. Disengage blades, place motion control levers in neutral position.
 - Unlatch and raise cover.
 - Slide out containers and dispose of clippings.
 - Replace containers, close cover, and latch.
 - b. Unlatch chutes and check for clogging.
 - Remove all debris in chute.
 - Reassemble and latch chutes.

GENERAL RECOMMENDATIONS

Always observe safety rules when performing any maintenance. Before each use check for loose fasteners. Clean unit thoroughly after each use.

BLADE CARE

For best results mower blades must be kept sharp. Replace bent or damaged blades.

See BLADE CARE instructions in your mower operator's manual.

STORAGE

When grass catcher is to be stored for a period of time, clean it thoroughly, remove all dirt, grass, leaves, etc. Store in a clean, dry place.

