

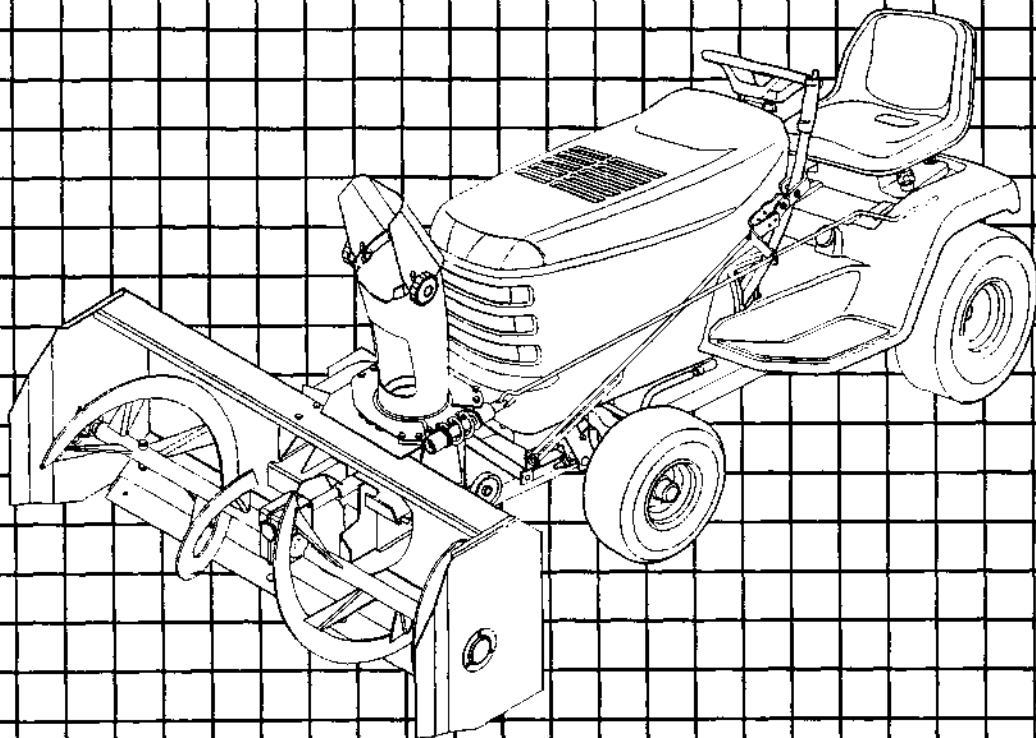
**HONDA**

**Power**

**Equipment**

# **OPERATOR'S MANUAL**

## **42" TWO-STAGE SNOWBLOWER MODEL SB4142**



**HONDA DEALER: PLEASE GIVE THIS PUBLICATION TO YOUR CUSTOMER**

## PREFACE

Thank you for purchasing a Honda SB4142 Two-Stage Snowblower for your Honda HA4118H38A • HA4120H48A Lawn Tractor.

This manual covers the operation, maintenance, and installation of the SB4142 Snowblower.

For your convenience, this manual also includes a parts description guide, and warranty service information.

Before installing or operating this equipment, read this operator's manual and the owner's manual supplied with the HA4118H38A • HA4120H48A Lawn Tractor.

The information in this operator's manual is limited in application to the Honda SB4142 when installed and used on a Honda HA4118H38A • HA4120H48A Lawn Tractor.

Left and right sides of this Lawn Tractor are determined from the operator's position, facing the direction of forward travel.

As you read this manual, you will find information preceded by a **NOTICE** symbol. That information is intended to help you avoid damage to your Snowblower, other property, or the environment.

This manual is a permanent part of the Snowblower and must stay with the Snowblower if resold.

All the information in this publication is based on the latest product information available at the time of printing. American Honda Motor Co., Inc. reserves the right to make changes at any time without notice and without incurring any obligation.

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## A FEW WORDS ABOUT SAFETY

Your safety and the safety of others are very important. And using this Snowblower is an important responsibility.


To help you make informed decisions about safety, we have provided operating procedures and other information on labels and in this manual. This information alerts you to potential hazards that could hurt you or others.


Of course, it is not practical or possible to warn you about all the hazards associated with operating a Snowblower. You must use your own good judgment.


You will find important safety information in a variety of forms including:

- **Safety Labels** – on the Lawn Tractor and Snowblower.
- **Safety Messages** – preceded by a safety alert symbol  and one of the following three words: DANGER, WARNING, or CAUTION.

These words mean:

 **DANGER** You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.

 **WARNING** You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.

 **CAUTION** You CAN be HURT if you don't follow instructions.

- **Safety Headings** – such as IMPORTANT SAFETY INFORMATION.
- **Safety Chapter** – such as SNOWBLOWER SAFETY.
- **Instructions** – how to use this Snowblower correctly and safely.

This entire book is filled with important safety information – please read it carefully.

## CONTENTS

<b>SNOWBLOWER SAFETY</b> .....	<b>2</b>
IMPORTANT SAFETY INFORMATION.....	2
IMPORTANT MESSAGE TO EMPLOYERS..	3
SAFETY LABEL LOCATIONS.....	4
<b>CONTROLS</b> .....	<b>5</b>
COMPONENT IDENTIFICATION .....	5
DESCRIPTION OF CONTROLS .....	6
<b>BEFORE OPERATION</b> .....	<b>8</b>
GENERAL.....	8
CHECK SNOW REMOVAL AREA.....	8
PROTECTIVE CLOTHING .....	8
<b>OPERATION</b> .....	<b>9</b>
SAFETY PRECAUTIONS .....	9
STARTING.....	10
STOPPING .....	13
<b>MAINTENANCE &amp; ADJUSTMENTS</b> .....	<b>14</b>
THE IMPORTANCE OF MAINTENANCE.....	14
MAINTENANCE SAFETY.....	15
MAINTENANCE SCHEDULE .....	16
SNOWBLOWER MAINTENANCE.....	17
<b>INSTALLATION</b> .....	<b>20</b>
THE IMPORTANCE OF INSTALLATION .....	20
IMPORTANT SAFETY PRECAUTIONS.....	20
TORQUE VALUES .....	21
HARDWARE MEASURING CHART.....	21
UNCRATING .....	22
LOOSE PARTS .....	23
SNOWBLOWER ASSEMBLY.....	25
TRACTOR PREPARATION.....	28
SNOWBLOWER INSTALLATION.....	30
<b>REMOVAL</b> .....	<b>35</b>
<b>TRANSPORTING/STORAGE</b> .....	<b>39</b>
TRANSPORTING .....	39
STORAGE .....	39
<b>SPECIFICATIONS</b> .....	<b>40</b>
<b>PARTS</b> .....	<b>41</b>
<b>ADDITIONAL INFORMATION</b> .....	<b>48</b>
INFORMATION LABEL .....	48
OPTIONS.....	49
HONDA PUBLICATIONS.....	49
WARRANTY SERVICE INFORMATION .....	50

# SNOWBLOWER SAFETY

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## IMPORTANT SAFETY INFORMATION

Most accidents with this product can be prevented if you follow all instructions in this manual, in the lawn tractor owner's manual and on the product. Some of the most common hazards are discussed below, along with the best way to protect yourself and others.

### Honda Snowblower Usage

Honda snowblowers are designed to give safe and dependable service if operated according to instructions and intended use: Ground level outdoor snow removal. Any other use could be dangerous.

Honda snowblowers are intended to be used by an experienced, trained operator familiar with the use of power equipment. Do not allow a child or an inexperienced, untrained operator to use this snowblower. Operating this equipment requires special effort on your part to ensure your safety and the safety of others. Read and understand the Lawn Tractor owner's manual and this operator's manual.

### Avoid Rotating Auger

The rotating auger can cause injury. Keep away from the blower head whenever the engine is running. If you need to adjust the skid shoe height, or work around the blower head for any reason, always shut off the engine. If you need to clean or handle the auger, disconnect the spark plug caps first.

### Clear Area

The snowblower can throw rocks and other objects with enough force to cause injury. Before beginning snow removal, carefully inspect the area and remove all large debris.

### Keep Shields in Place

Guards and shields are designed to protect you from being hit by thrown objects and from hot engine parts and moving components. For your safety and the safety of others, keep all shields in place when the engine is running.

### Refuel with Care

Gasoline is extremely flammable and gasoline vapor can explode. Refuel only outdoors, in a well-ventilated area, with the engine off. Never smoke near gasoline, and keep other flames and sparks away. Always store gasoline in an approved container.

### Wear Protective Clothing

Wearing protective clothing will reduce your risk of injury. Long pants and eye protection will reduce the risk of injuries from thrown objects. Wear hearing protection. Always wear sturdy footwear (preferably steel-toed shoes). Clothing worn by the operator should be fairly tight and belted. Loose clothing should not be permitted because of the danger of getting into moving parts. Tie up or restrain long hair.

### Turn Engine Off When Not Removing Snow

If you need to leave the snowblower for any reason, even just to inspect the area ahead, always turn the engine off.

### IMPORTANT MESSAGE TO EMPLOYERS

As an employer, you have special responsibilities to the people who work for you.

Before you ask anyone to operate this snowblower, you need to determine whether the person is old enough, large enough, and strong enough to safely handle and control the snowblower.

If you decide they are, make sure the employee reads and understands all instructions and warnings in the owner's manual, this manual, and on the labels before operating the snowblower.

Allow adequate time for hands-on training by a qualified instructor, and personally supervise practice sessions until you feel sure the employee is ready to operate the snowblower.

Also be sure employees wear proper clothing and have eye protection and any other gear that may be required by local ordinances or your insurance company.

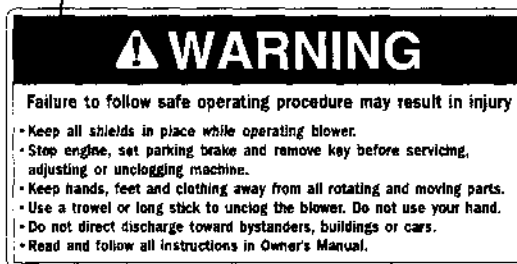
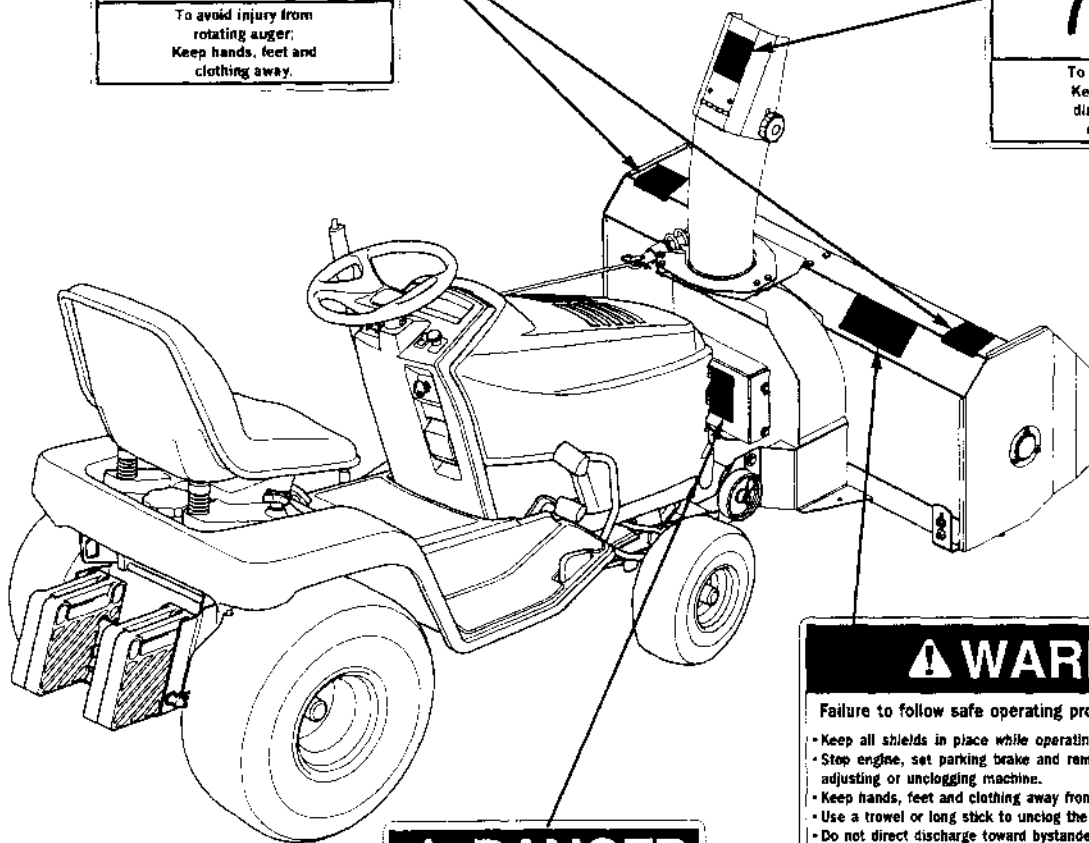
Remember, too, that you are responsible for keeping the snowblower properly maintained and in safe operating condition.

Your commitment to safety on the job can help prevent accidents and result in longer and more productive years of service.

# SNOWBLOWER SAFETY

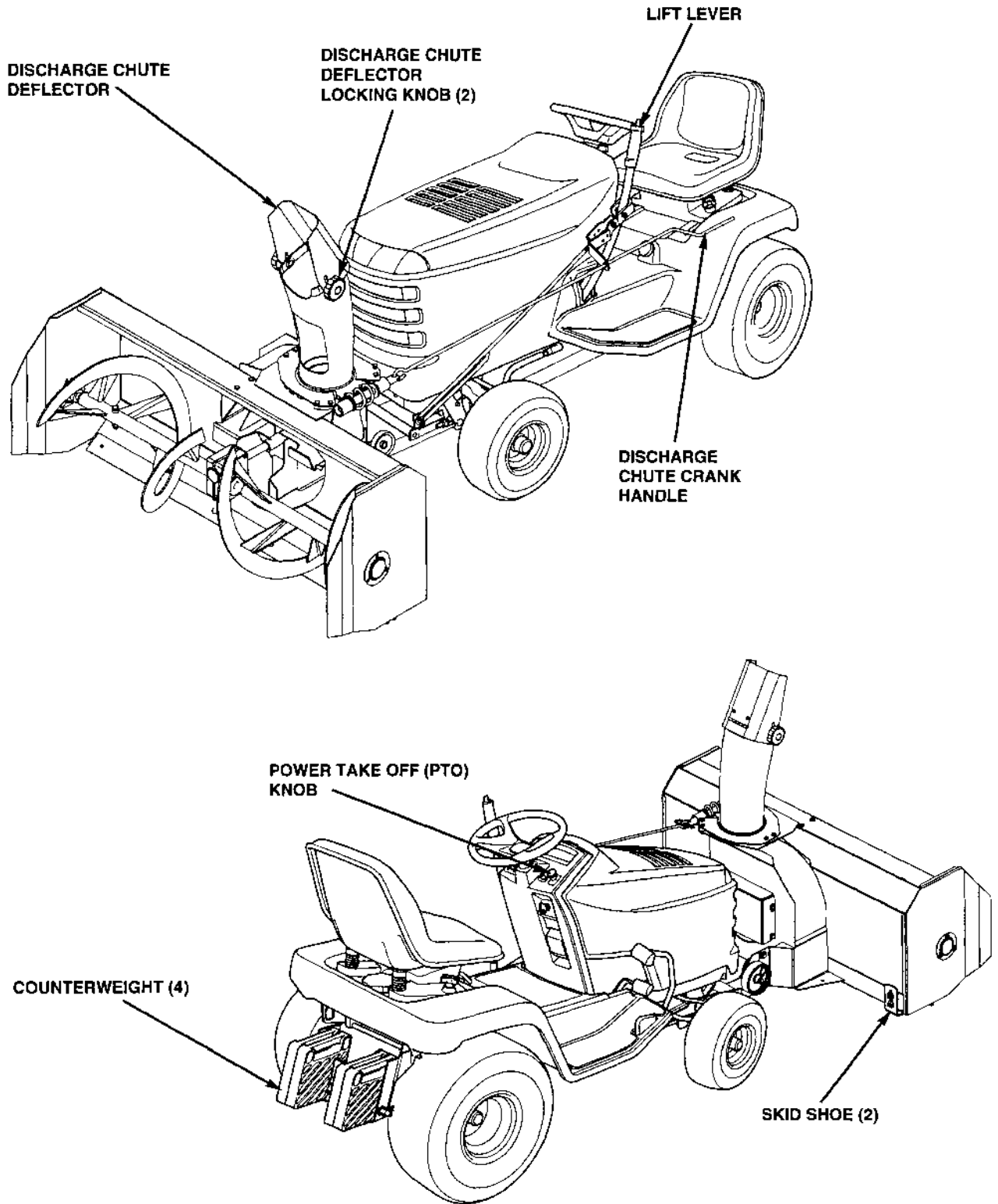
## SAFETY LABEL LOCATIONS

The labels shown here contain important safety information. Please read them carefully. These labels are considered permanent parts of your snowblower. So if a label comes off or becomes hard to read, immediately contact a Honda Lawn Tractor servicing dealer for a replacement label.



This chapter shows the snowblower control locations and it tells you how the snowblower controls work. It only covers controls relating to the snowblower. Have your Honda Lawn Tractor owner's manual handy for reference while reading this chapter.

## COMPONENT IDENTIFICATION

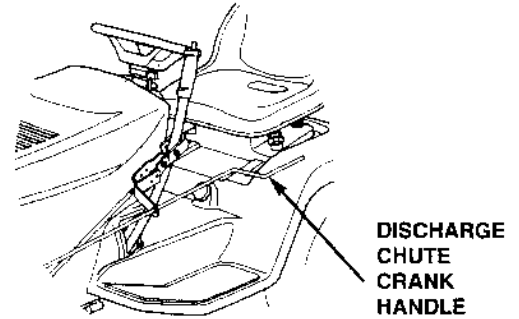


# CONTROLS

## DESCRIPTION OF CONTROLS

### Discharge Chute Crank Handle

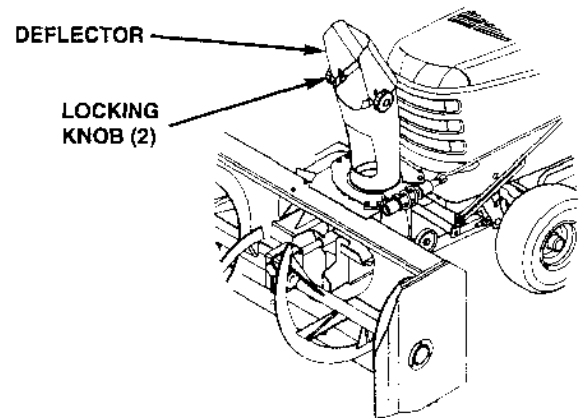
Rotating this crank handle turns the discharge chute. When the chute is in the center pointing straight ahead, the discharge chute can be rotated 110° to the right or left. Turning the crank handle counterclockwise will direct chute discharge to the left. Turning the crank handle clockwise will direct chute discharge to the right.



### Discharge Chute Deflector

This chute deflector controls the angle at which the snow is discharged.

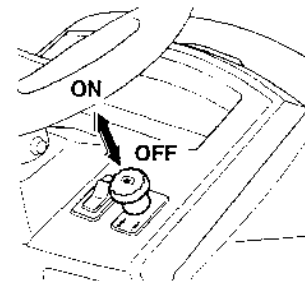
Adjust the chute deflector angle according to the distance the snow must be thrown. Raise the chute deflector for longer distances. The two side locking knobs hold the chute deflector at the desired angle.



### Power Take Off (PTO) Knob

The PTO knob controls engine power engagement and disengagement to the snowblower through an electric clutch and belt.

Pulling the PTO knob up to the ON position engages the snowblower auger and blower. Pushing the PTO knob down to the OFF position stops the snowblower auger and blower.

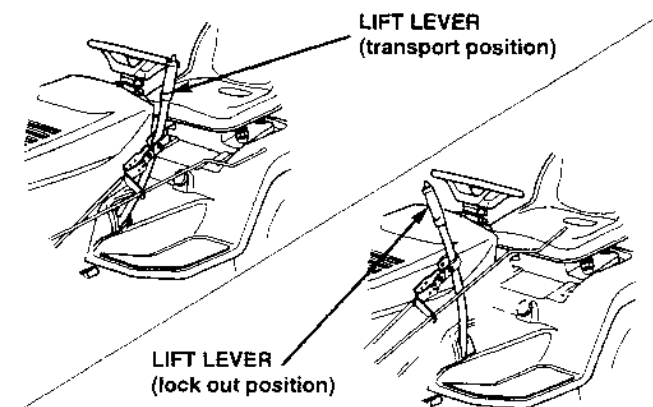


### Lift Lever

The lift lever has two positions which raise and lower the snowblower.

Transport position raises snowblower for transport.

Lockout position lowers snowblower for snow removal. This position locks out the lift assist spring and is used when removing and installing the snowblower.



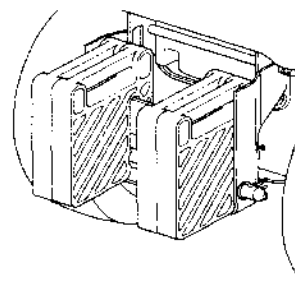


## Counterweights

The HA4100 rear weight kit and four 26 lb. suitcase weights are required when operating the snowblower. The rear weight bracket will accept six 26 lb. suitcase weights; so, two additional optional weights can be installed to amount to a total of six weights.

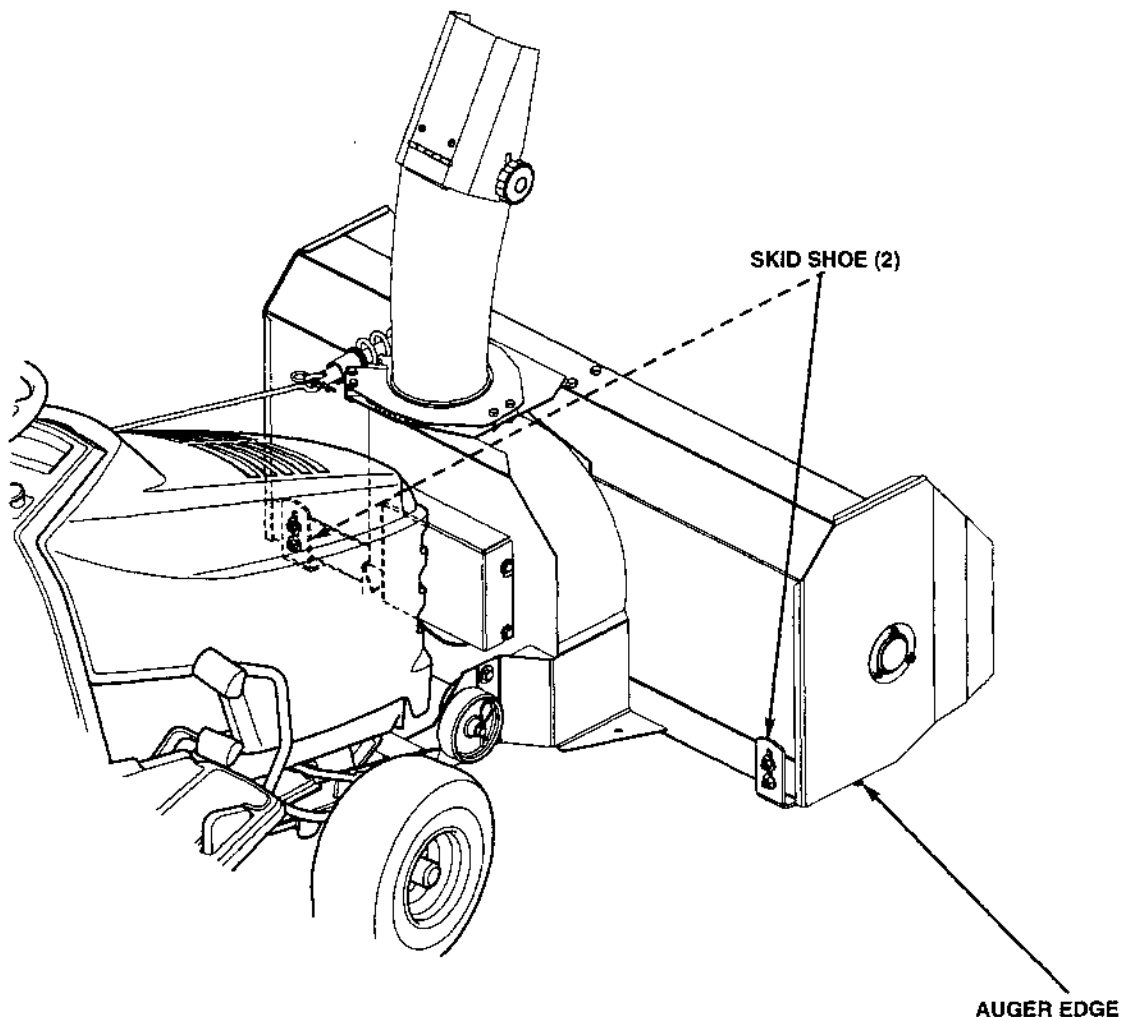
Counterweights provide extra traction and provide proper stability.

Counterweights and mounting kit must be purchased separately.



## Skid Shoes

The skid shoes control how deep the snowblower auger edge penetrates the snow.



## **BEFORE OPERATION**

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### **GENERAL**

For proper operation, make sure the four 26 lb counterweights are installed on the counterweight bracket. Also, make sure the counterweights are secured with rod and lock pins.

If the interlock system is not working properly, repair it before operating the snowblower.

For your safety, and to prolong the service life of your equipment, always inspect the snowblower before each use. Refer to the MAINTENANCE SCHEDULE on page 16.

If you have the optional tire chains installed, inspect them and make sure they are secure.

Inspect the position of the two skid shoes, and make sure they are properly positioned for conditions. See page 19 for skid shoe adjustment.

Verify that the secondary drive belt tension is correct. See page 19 for details on inspecting and adjusting drive belt tension.

Perform the BEFORE OPERATION checks listed in the Lawn Tractor owner's manual.

Set tire air pressures. With the snowblower installed, higher tire air pressures are recommended due to increased gross vehicle weight.

Front Tire: 16 psi (10 psi with mower deck)

Rear Tire: 14 psi ( 8 psi with mower deck)

Refer to page 49 for available options.

Refer to the Lawn Tractor owner's manual for correct engine oil viscosity selection.

### **CHECK SNOW REMOVAL AREA**

For your safety and the safety of others, always inspect the area before operating snowblower.

#### **Objects**

Anything which can be picked up by the snowblower and thrown is a potential hazard to you and others. Always remove any large debris from the snow removal area.

Remove motor vehicles or other objects from snow removal area to prevent them from getting damaged.

#### **People and Pets**

People and animals near the snow area can move into your path or into a position where they could be struck by thrown objects. Clear the area of pets, people, and especially children. Their safety is your responsibility.

Accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the snowblower activity. Never assume that children will remain where you last saw them.

Keep children out of the work area and under the watchful eye of another responsible adult.

Be alert and turn off the machine if children enter the area.

### **PROTECTIVE CLOTHING**

Wearing protective clothing will reduce your risk of injury. Long pants and eye protection will reduce the risk of injuries from thrown objects. Wear hearing protection. Always wear sturdy footwear (preferably steel-toed shoes). Clothing worn by the operator should be fairly tight and belted. Loose clothing should not be permitted because of the danger of getting into moving parts. Tie up or restrain long hair.

## **SAFETY PRECAUTIONS**

Before operating the snowblower for the first time, please review the **IMPORTANT SAFETY INFORMATION** beginning on page 2, **LAWN TRACTOR SAFETY** in the Lawn Tractors owner's manual, and the previous chapter, titled **BEFORE OPERATION**.

### **⚠ WARNING**

The auger blades and blower are sharp and spin fast.

A spinning auger blade or blower can cut you severely and can amputate your fingers and hands.

Never attempt to clear a clog with your hand; always use a stick at least 36" long to clear a clogged discharge chute or auger.

Even if you have operated other snowblowers, take time to become familiar with how this snowblower works, and practice in a safe area until you build up your skills.

For your safety, avoid starting or operating the engine in an enclosed area such as a garage. Your lawn tractor engine exhaust contains poisonous carbon monoxide gas which can collect rapidly in an enclosed area and cause illness or death.

The following precautions are suggested to help prevent accidents. A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. Read the following precautions before operating the snowblower to help prevent accidents.

- Equipment must be operated only by those who are responsible and instructed to do so.
- Never allow children to operate the snowblower.
- Do not allow anyone to ride on the snowblower.
- Keep hands, feet, face, hair and clothing away from rotating parts. Clothing worn by the operator should be fairly tight and belted. Loose clothing should not be permitted because of the danger of getting into moving parts. Tie up or restrain long hair.
- Be aware of the snowblower discharge direction. Do not point discharge at anyone.
- Never leave a running snowblower unattended. Always push the PTO knob OFF, shut OFF the engine, remove the ignition key, and wait for all moving parts to stop before leaving the operator's position.
- Be sure the area is clear of other people before operation. Stop the machine if anyone enters the area. Do not operate the snowblower with pets, children or others nearby.
- Disengage the PTO during snowblower transport mode or when the snowblower is not in use.
- Watch out for traffic when operating near or crossing roadways. Slow down before turning and approach blind corners cautiously.
- Always observe the area ahead. Avoid obstacles and stay away from holes, ditches, soft or steep embankments and other potentially dangerous areas.
- Wet surfaces reduce traction and stability. Always maintain proper traction.
- If you strike a foreign object, disengage the PTO, shut off the engine, set the parking brake, and remove the ignition key. Inspect and repair any damage before operating snowblower again.
- Use weight bracket kit and counterweights (purchased separately) for extra traction and proper balance.

# OPERATION

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## STARTING

Read the lawn tractor owner's manual carefully. Be thoroughly familiar with the controls and proper use of the lawn tractor. Know how to stop the lawn tractor and disengage the controls quickly.

Make sure the auger blades, blower head and discharge chute are free of any debris or objects.

Refer to the lawn tractor owner's manual for detailed instructions on starting the engine and parking the lawn tractor.

When removing snow, do not use the snowblower as a dozer blade to push snow. Let the snowblower work its way through deep drifts. If the travel speed of the lawn tractor is too fast, the snowblower may become overloaded and clog. For best results, raise the snowblower and remove a top layer of snow. A second pass will remove the remaining snow.

Always operate the snowblower with the throttle set to FAST. Using other throttle settings can reduce performance and clog the discharge chute.

If you strike a foreign object, move the PTO knob to OFF, shut the engine OFF, and remove the ignition key. Inspect for and repair any damage before operating the snowblower again.

If the snowblower should start to vibrate abnormally, stop the engine immediately and check for the cause. Vibration is generally an indication of trouble.

As a general rule, do not operate the snowblower in reverse. If it is absolutely necessary to back up:

- a) Move the PTO knob to the OFF position.
- b) Check the area on the ground directly behind the tractor.
- c) Continue to observe area behind the tractor while backing up.

### **NOTICE**

Prevent damage to the snowblower by removing large foreign objects from the snow removal area.

Always remain in the operator's position when operating the snowblower.

With the lift lever in the lockout position start the lawn tractor. After the engine has warmed up for at least a minute, move the throttle to FAST.

Verify that the snowblower discharge chute is properly positioned, then move the PTO knob to the ON position.

Adjust the lawn tractor ground speed as needed. Use the travel pedals to change ground speed, never the throttle. For best performance, the throttle should always be set to FAST.

## **Snow Removal**

Never operate the tractor and snowblower without good visibility.

Foreign objects in snow may be thrown farther than the snow itself. Use the slowest ground speed possible to achieve a satisfactory job. Stay aware of the snowblower discharge direction.

To avoid snow from being blown back on the operator, operate snowblower with the wind blowing in the discharge direction, if possible.

After stopping the snowblower in wet freezing conditions, move the PTO knob to the ON position to remove any remaining snow or water from the auger area. Move the PTO knob to the OFF position and move the lift lever to the transport position to lift the snowblower off the ground surface to prevent the snowblower from freezing to the ground. If water is left around the auger and allowed to freeze, the snowblower will vibrate when the PTO knob is moved to ON.

Check the shear bolts for tightness.

### **NOTICE**

To prevent damage to the snowblower, never operate the snowblower with a loose or damaged shear bolt or pin. Always use grooved shear bolts on the auger shaft and the special shear pin on the blower assembly.

## **Slopes**

Slopes are a major factor in 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 feel uneasy on it, do not operate on a slope.

Remove obstacles such as rocks, tree limbs, etc.

Watch for holes, ruts, or bumps. Uneven terrain could overturn the lawn tractor.

Always remove snow up and down the face of slopes, never across slopes. Do not operate near dropoffs, ditches, or embankments. The lawn tractor could suddenly overturn if a wheel goes over the edge of a cliff or ditch, or if an edge caves in.

Always use counterweights for stability and extra traction.

Do not turn on slopes unless necessary, and then move the PTO knob to the OFF position, then turn slowly and gradually downhill.

Do not start or stop suddenly when going up or down a slope. Keep all movement on slopes slow and gradual. Do not make any sudden changes in speed or direction.

If the tractor is unable to continue moving uphill, move the PTO knob to the OFF position, check the area on the ground immediately behind the tractor, watch the area to the rear, and proceed backward slowly.

Do not operate snowblower on steep slopes where there is a risk of overturning the lawn tractor. Do not operate the lawn tractor on slopes greater than 10°. Use a slope gauge to check the slope if you are not sure.

Use extra care when using this attachment. The extra weight can change the stability of the lawn tractor.

Do not try to stabilize the snowblower by putting your foot on the ground.

Do not park the tractor on a hill.

# OPERATION

## Discharge Chute Deflector Position

You can adjust the angle and direction of the discharged snow. The angle must be set while the lawn tractor is parked and the engine is off.

### To adjust the discharge chute deflector angle:

1. Loosen the two locking knobs on either side of the discharge chute deflector.
2. Position the deflector at the desired angle and tighten the locking knobs.
3. You may need to experiment and readjust the deflector after a few trail runs.

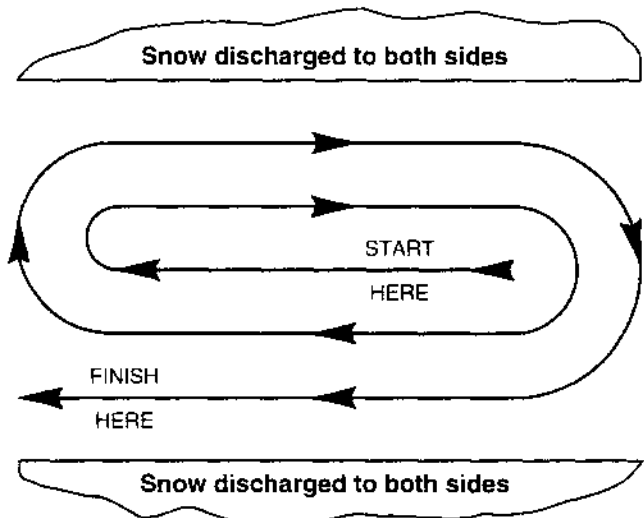
### To adjust the discharge direction:

Rotate the crank handle and turn the discharge chute to the desired position. The crank will not rotate a full 360°.

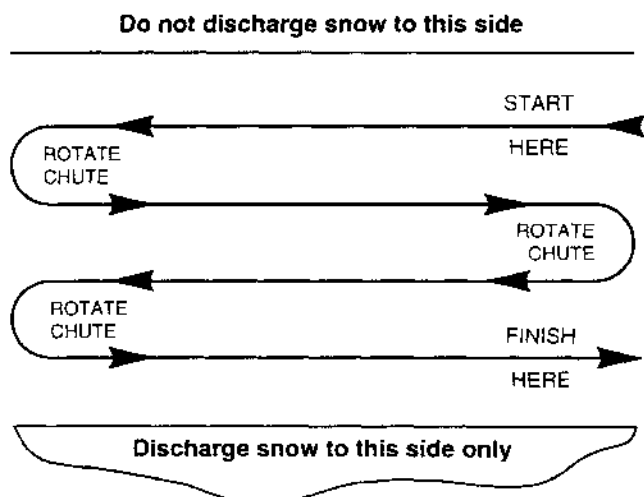
## Snow Removal Patterns

These removal patterns will avoid discharging snow into unwanted places as well as eliminating a second pass.

When it is possible to discharge snow to the left and right, as on a parking lot or long driveway, it is best to start in the middle. Go from one end to the other while discharging material away from the center to avoid having to rotate the discharge chute.



If the material can only be discharged to one side of a driveway or sidewalk, begin opposite the discharge direction. After making the first turn, rotate the discharge chute to the other side for the return pass. At the end of each succeeding turn, rotate the discharge chute to maintain discharge toward the same side.



### STOPPING

Always stop the lawn tractor before leaving the operator's position or leaving the tractor unattended.

1. Bring the lawn tractor to a complete stop.
2. Move the PTO knob to the OFF position.
3. Lower the snowblower all the way down.
4. Set the parking brake ON.
5. Shut off the engine and remove the ignition key.
6. Wait for all moving parts to come to a complete stop.

## MAINTENANCE & ADJUSTMENTS

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### THE IMPORTANCE OF MAINTENANCE

Good maintenance is essential for safe, economical, and trouble-free operation.

To help you properly care for your snowblower, the following pages include a maintenance schedule, routine inspection procedures, and simple maintenance procedures using basic hand tools. Other service tasks that are more difficult, or require special tools, are best handled by professionals and are normally performed by a Honda technician or other qualified mechanic.

The maintenance schedule applies to normal operating conditions, consult an authorized Honda servicing dealer for recommendations applicable to your individual needs and use.

#### **WARNING**

Improper maintenance, or failure to correct a problem before operation, can cause a malfunction in which you can be seriously hurt or killed.

Always follow the inspection and maintenance recommendations and schedules in this operator's manual and the owner's manual included with the lawn tractor.



### MAINTENANCE SAFETY

Some of the most important safety precautions follow. However, we cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.

#### **WARNING**

Failure to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed.

Always follow the procedures and precautions in this operator's manual and the owner's manual included with the lawn tractor.

#### Safety Precautions

- Make sure the engine is off, ignition key is removed, PTO knob is in the OFF position and all moving parts have stopped before you begin any maintenance or repairs. This will eliminate several potential hazards:
  - **Carbon monoxide poisoning from engine exhaust.**  
Be sure there is adequate ventilation whenever you operate the engine.
  - **Burns from hot parts.**  
Let the engine and exhaust system cool before touching.
  - **Injury from moving parts.**  
Do not run the engine unless the instruction tells you to do so. Even then, keep your hands, fingers, and clothing away. Do not run the engine when any protective guard or shield is removed.
- Read the instructions before you begin, and make sure you have the tools and skills required.
- To reduce the possibility of fire or explosion, be careful when working around gasoline. Use only a nonflammable solvent, not gasoline, to clean parts. Keep cigarettes, sparks, and flames away from all fuel-related parts.
- For certain operations, the snowblower and tractor must be raised off the ground. Be sure the snowblower is solidly supported and the lawn tractor wheels are blocked before you put any part of your body under the product.
- Disconnect the spark plug caps and wear heavy gloves when working near or servicing auger or blower on the snowblower.
- Never support or stand the lawn tractor on either side or end. Fuel, oil, or battery electrolyte can leak out.

Remember that an authorized Honda servicing dealer knows your snowblower best and is fully equipped to maintain and repair it.

To ensure the best quality and reliability, use only new, genuine Honda parts or their equivalents for repair and replacement.

Do not alter or modify the snowblower. If you have any questions, contact your dealer.

# MAINTENANCE & ADJUSTMENTS

## MAINTENANCE SCHEDULE

Use the following maintenance schedule and the maintenance schedule shown in the lawn tractor owner's manual.

REGULAR SERVICE PERIOD		Before	Every	Every	Every	Every	Notes
ITEM	Perform at every indicated interval	Each Use	20 Hours	50 Hours	100 Hours	300 Hours	
Auger	Check	○					Check for wear or damage
Blower	Check	○					
Auger shaft bushings	Grease						As needed NLGI #2
Auger shear bolts	Check	○					
Blower shear pin	Check	○					
Gear box	Check level			○			GL-4 or GL-5 SAE 80W90 hypoid gear oil 5 fl-oz (150 ml)
Auger edge	Check	○					
Primary belt	Check	○					
Secondary belt	Check	○					
Secondary belt tension	Check-adjust	○					
Lift arm pivot bushings	Grease						As needed NLGI #2
Blower head angle	Check-adjust						As needed
Skid shoes	Check-adjust	○					
Nuts and bolts	Check-torque	○					

## SNOWBLOWER MAINTENANCE

Before beginning maintenance, always stop the engine, remove the ignition key, set the parking brake ON, and disconnect the spark plug caps.

### **⚠ WARNING**

You can be seriously injured by the blower or auger blades.

The blades spin and can cut or amputate your hands or fingers.

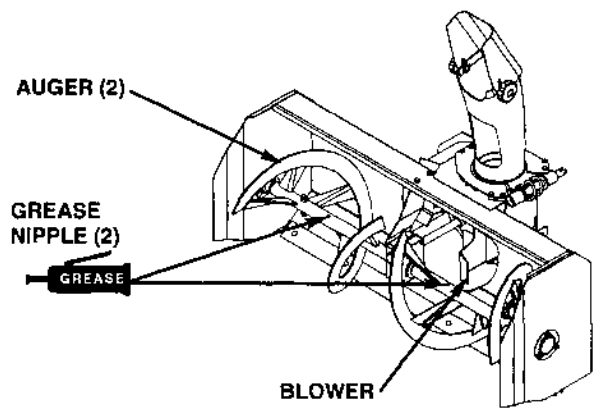
Always stop the engine, remove the ignition key, set the parking brake ON, and disconnect the spark plug caps before attempting any maintenance or adjustments.

### Auger and Blower Area

1. Inspect auger and blower for damage or excessive wear. Replace as necessary.

Lubricate grease nipples as needed:

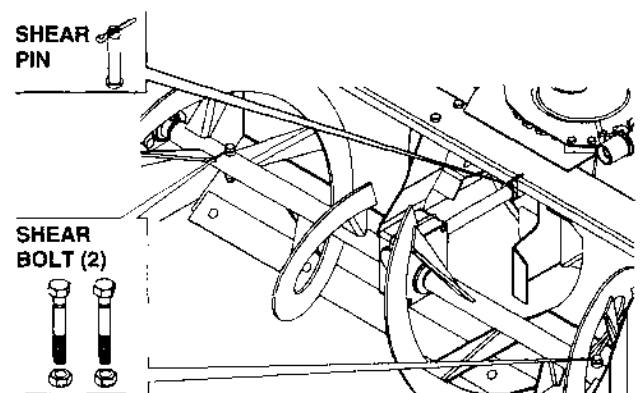
Lubricant – NLGI #2



2. The augers have special bolts and the blower has a special pin designed to break if either the auger or the blower are put under excessive load.

In the event a shear bolt or shear pin breaks, replace only with the spare bolts/pin provided or the proper Honda service parts.

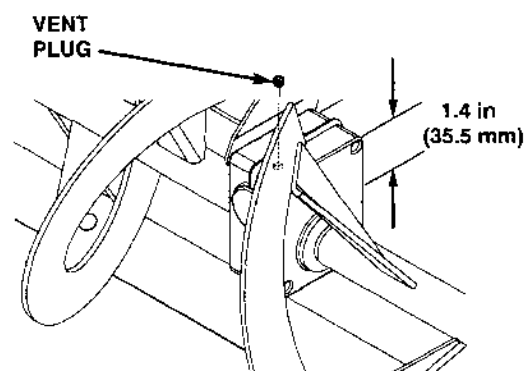
Inspect auger shear bolts and blower shear pin.



3. Check gear box oil level. Fill to 1.4 in (35.5 mm) from the top of the gear box case.

Gear box lubricant: GL-4 or GL-5 SAE 80W90 hypoid gear oil

Gear box capacity: 5 fl-oz (150 ml)



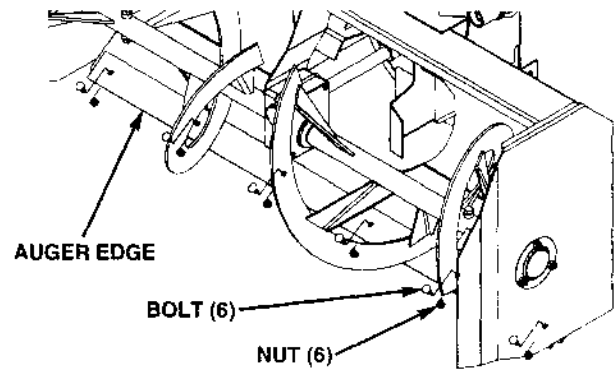
## MAINTENANCE & ADJUSTMENTS

- If the auger edge is very rough or worn, the edge can be reversed. Always replace a bent or badly damaged edge.

To reverse or replace edge:

- Remove six bolts.
- Reverse or replace edge.
- Install edge and secure with 6 bolts and nuts.

If the skid shoes are misadjusted and the edge is worn, the blower head may wear against the ground. This may require blower head replacement.



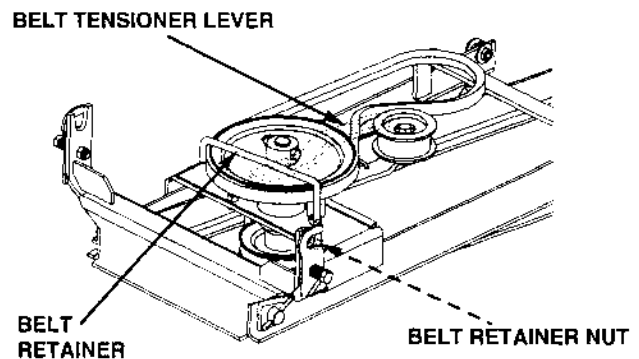
### Belts

It is not necessary to remove snowblower from lawn tractor to replace belts.

Inspect belts for deterioration or cracking.

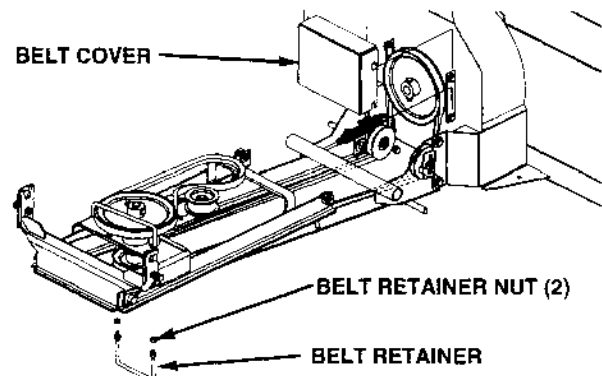
#### Primary Belt Replacement

- Push belt tensioner lever over center.
- Loosen belt retainer nut and pivot belt retainer.
- Remove old belt and install new belt.
- Reposition belt retainer and tighten nut.
- Pull belt tensioner lever over center.

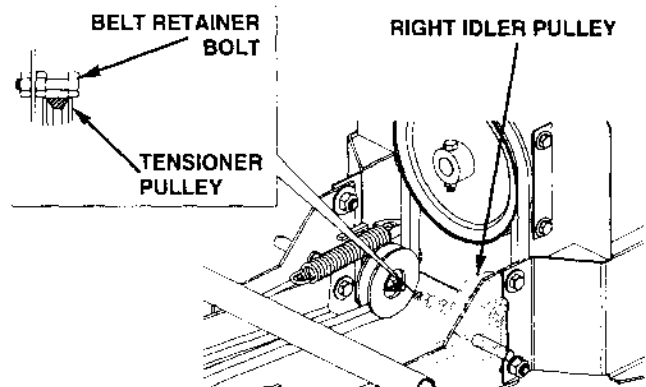


#### Secondary Belt Replacement

- Loosen belt cover retaining bolts until belt cover can be removed by sliding belt cover upwards and back. It is not necessary to remove bolts.
- Remove rear belt retainer nuts and belt retainer.



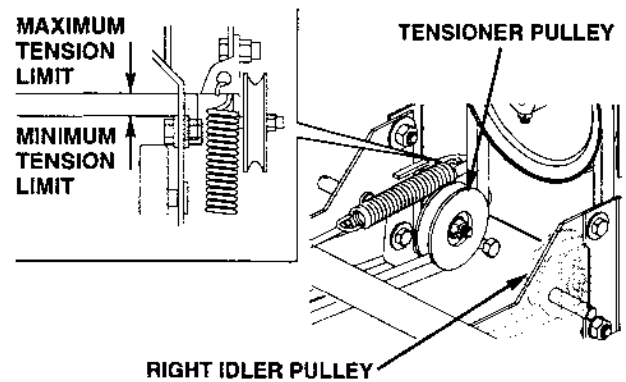
- Move the right idler pulley to the top of the adjustment slot and remove front belt retainer bolt.
- Remove old belt and install new belt.
- Reinstall front and rear belt retainers.
- Check belt tension and adjust right idler pulley as necessary (refer to following page).



## Secondary Belt Tension Adjustment

Adjust by moving right side idler pulley down. This is necessary when the tensioner arm indicator pointer is at or below the minimum tension limit.

With a new belt, the right idler pulley will be near the top of the slot and the pointer will be aligned with the front of the square key stock. As the belt stretches, the tension arm will move rearward. When the pointer reaches the minimum tension limit, readjust the belt tension until the pointer aligns with the maximum belt tension limit. Maximum-to-minimum travel is 8 mm.

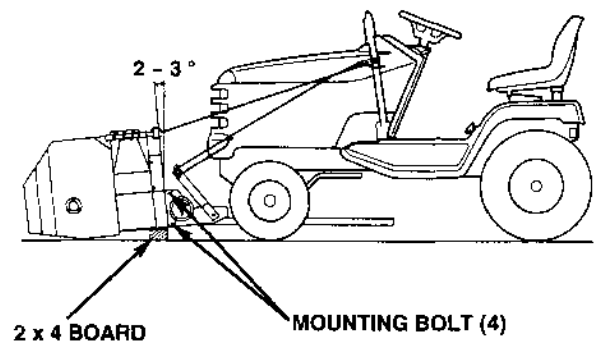


## Blower Head Angle Adjustment

Use a two foot long 2x4 board to support both sides of the blower head. Locate board at back of the blower head as shown. Keep blower head right and left sides parallel with the tractor. Use lift lever to lower blower head and lock lift lever forward.

Blower head should be adjusted so that it is angled slightly forward. Head angle can be increased for more aggressive scraping of deceased for less aggressive scraping.

Tighten the blower head mounting bolts securely.



## Skid Shoes

### Adjustment:

Adjust edge-to-ground clearance by moving skid shoes up or down as needed.

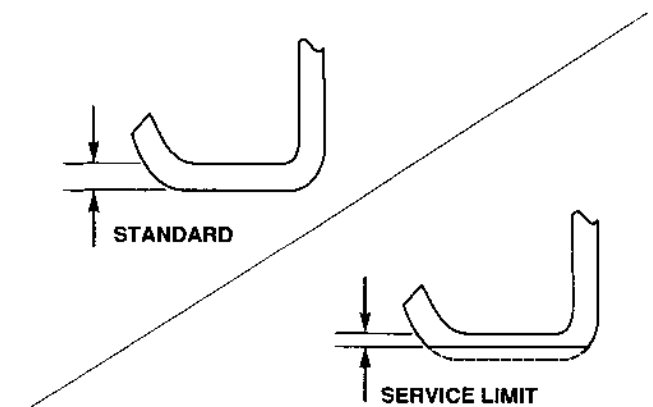
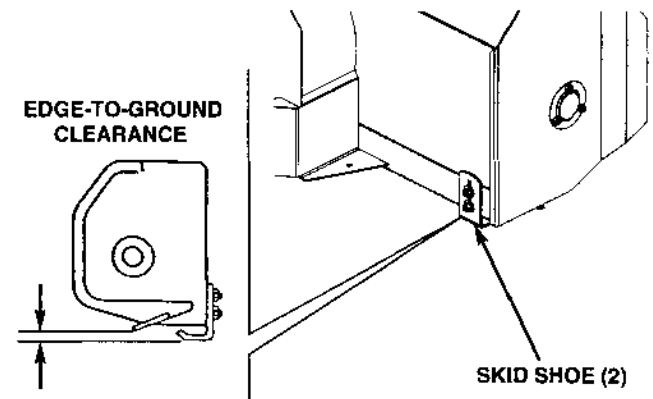
For level, paved surfaces, adjust skid shoes to achieve a 3/16~1/4 inch (5.0~6.5 mm) clearance. For uneven or gravel surfaces, adjust skid shoes to achieve 1/2 ~ 5/8 inch (13 ~ 16 mm) clearance.

Adjust skid shoes by loosening but not removing two hex nuts on each skid shoe. Adjust shoe to achieve desired height, then tighten the hex nuts. Recheck measurement and repeat if necessary.

### Inspection:

Check skid shoes for wear. Worn skid shoes can allow the auger edge or blower head to wear prematurely.

Replace skid shoes if they have reached the service limit or are damaged.



Standard	Service limit
0.20 inch (5 mm)	0.078 inch (2 mm)

# INSTALLATION

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## THE IMPORTANCE OF INSTALLATION

Proper installation is essential to operator safety and the reliability of the machine. Any error or oversight made by the technician assembling and servicing a unit can easily result in faulty operation, damage to the machine, or injury to the operator.

### WARNING

Improper service can cause an unsafe condition that can lead to serious injury or death.

Follow the procedures and precautions in installation instructions and shop manuals carefully.

Some of the most important safety precautions are given below. However, we cannot warn you of every conceivable hazard that can arise in performing this installation. Only you can decide whether or not you should perform a given task.

### WARNING

Failure to properly follow installation instructions and precautions can cause you to be seriously hurt or killed.

Follow the procedures and precautions in installation instructions carefully.

## IMPORTANT SAFETY PRECAUTIONS

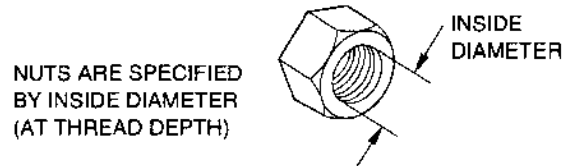
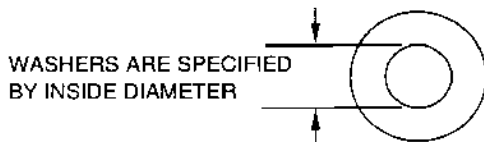
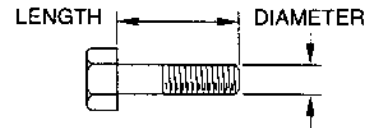
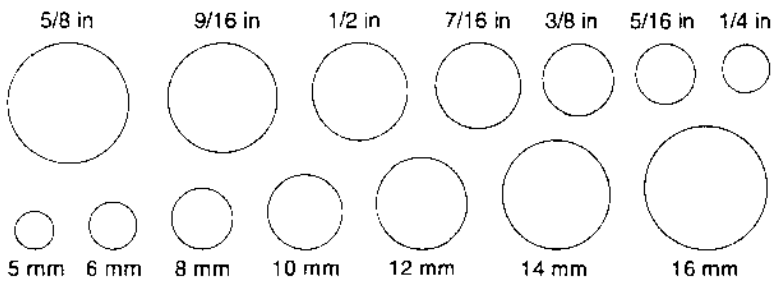
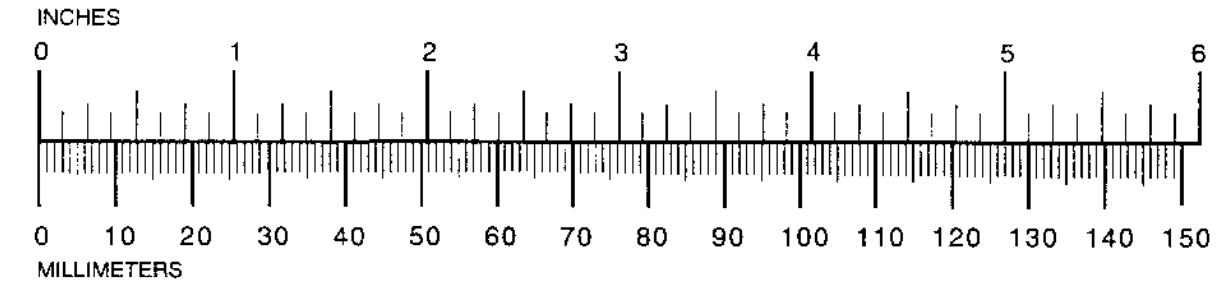
- Make sure you have a clear understanding of all basic shop safety practices and that you are wearing appropriate clothing and safety equipment. When performing this installation, be especially careful of the following:
  - Read the instructions before you begin and be sure you have the tools and skills required to perform the tasks safely.
- Make sure the engine is off before you begin any maintenance or repairs. This will help eliminate several potential hazards:
  - Carbon monoxide poisoning from engine exhaust.**  
Be sure there is adequate ventilation whenever you run the engine.
  - Burns from hot parts.**  
Let the engine and exhaust system cool before touching.
  - Injury from moving parts.**  
Do not run the engine unless the instruction tells you to do so. Even then, keep your hands, fingers, and clothing away. Do not run the engine when any protective guard or shield is removed.
- To reduce the possibility of a fire or explosion, be careful when working around gasoline or batteries. Use only a nonflammable solvent, not gasoline, to clean parts. Keep all cigarettes, sparks, and flames away from the battery and all fuel-related parts.

**TORQUE VALUES**

American bolt diameter and thread size	Torque Values	
	ft-lb	N·m
1/4 inch - 20	8	10.8
5/16 inch - 18	12	16.3
3/8 inch - 16	22	29.8
7/16 inch - 13	33	44
1/2 inch - 13	76	103
Metric bolt diameter		
8 mm	15.9	22
10 mm	25.3	35

**HARDWARE MEASURING CHART**

How to measure hardware and components:

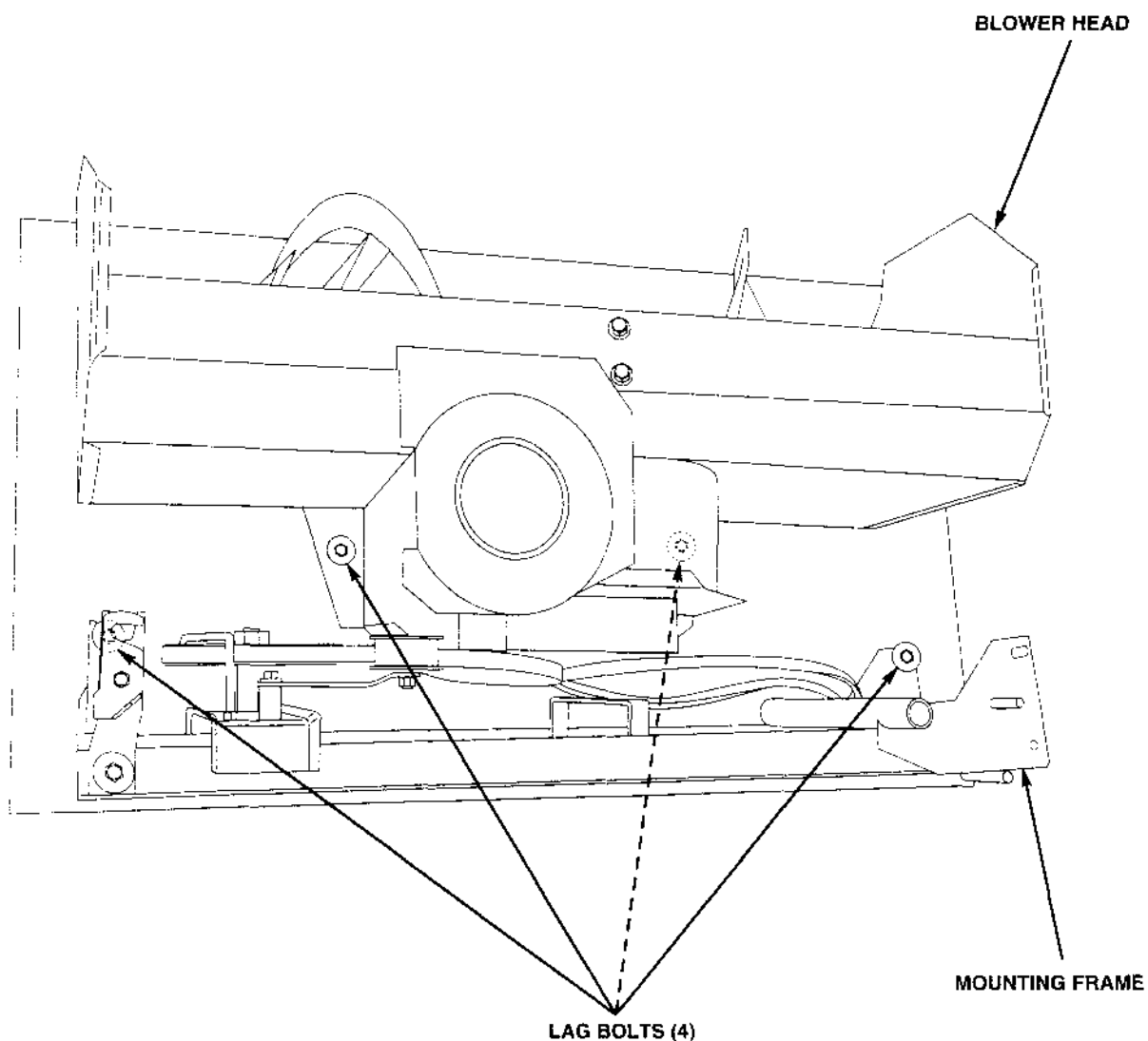


# INSTALLATION

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## UNCRATING

1. Remove the crate cover.
2. Remove the four lag bolts securing blower head and mounting frame to the wooden pallet.
3. Cut tie strap securing frame assembly to wooden upright.
4. Remove mounting frame assembly.
5. Cut tie strap securing linkage to blower head assembly.
6. Remove blower head assembly.
7. Remove linkage, chute, and loose parts bag.





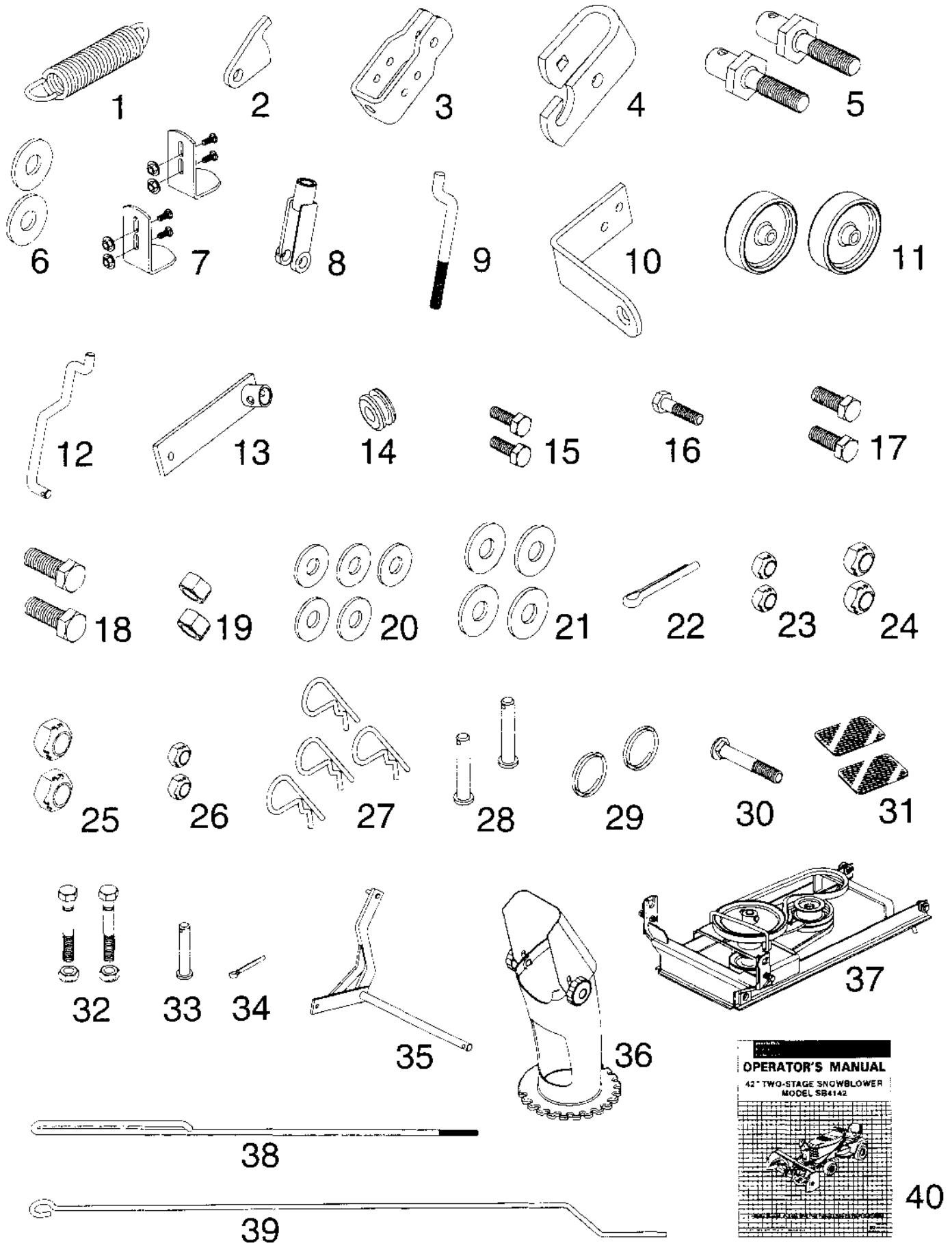
## LOOSE PARTS

Check all loose parts against the following list. Refer to illustrations on following page.

Ref. No	Description	Qty.
1	Tension spring	1
2	Lift arm lock	1
3	Lift arm link	1
4	Lift arm latch	1
5	Mounting stud	2
6	Special washer, .19 x .492 x 1.570	2
7	Skid shoe assembly Each assembly includes: 1 – Skid shoe 2 – Carriage bolts, 5/16-18x3/4 2 – Flange lock nuts, 5/16-18	2
8	Adjustment yoke	1
9	Offset link A	1
10	Chute handle bracket	1
11	Skid wheel	2
12	Offset link B	1
13	RH arm comp	1
14	Chute handle bushing, 1/2" ID	1
15	Flange bolt, 1/4-20 x 5/8 inch	2
16	Hex bolt, 5/16-18 x 1-1/4 inch	1
17	Bolt, 3/8-16 x 1 inch	2
18	Bolt, 7/16-14 x 1 inch	2
19	Hex nut, 3/8-16	2

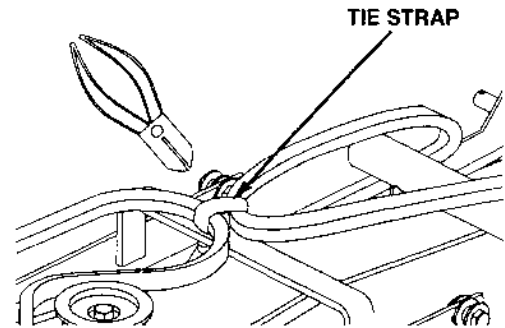
Ref. No	Description	Qty.
20	Flat washer, 3/8 inch	5
21	Flat washer, 7/16 inch	4
22	Cotter pin, 1/8 x 1"	1
23	Lock nut, 5/16-18	2
24	Lock nut, 3/8-16	2
25	Lock nut, 7/16-14	2
26	Lock nut, 1/4-20	2
27	Lock pin .13 x 2.56	4
28	Clevis pin, 3/8 x 1-3/8"	2
29	Wire ring	2
30	Carriage bolt, 5/16-18 x 2	1
31	Platform reflector	2
32	Shear bolt, 5/16-18 x 2.25	2
33	Clevis shear pin, 1/4 x 1-3/8	1
34	Cotter pin, 3/32 x 3/4	1
35	Lift arm comp	1
36	Discharge chute assembly	1
37	Mounting frame assembly	1
38	Lift arm rod	1
39	Discharge chute crank handle	1
40	SB4142 Operator's Manual (P/N 31HA460SB)	1

# INSTALLATION

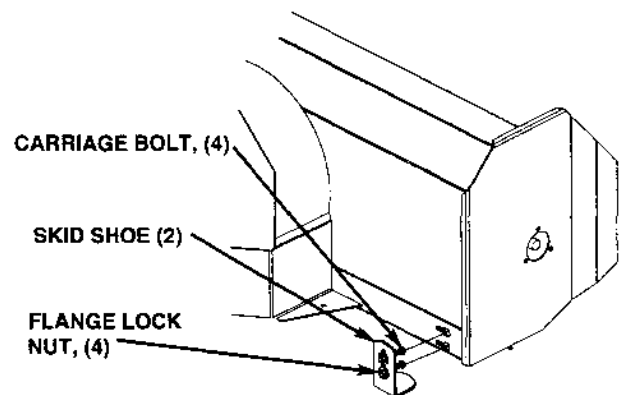


## SNOWBLOWER ASSEMBLY

1. Cut tie strap securing V-belts.



2. Install skid shoes.

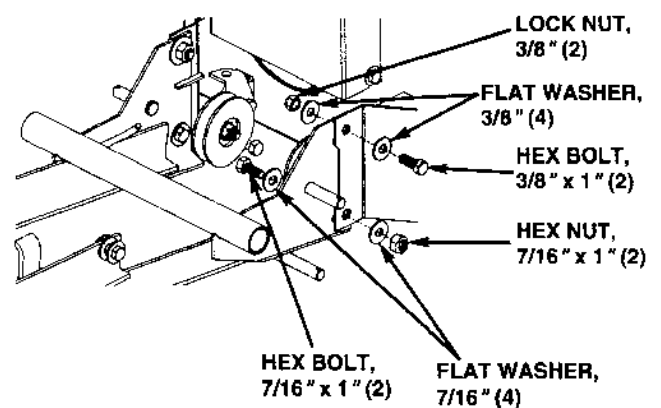


3. Attach blower head to subframe:

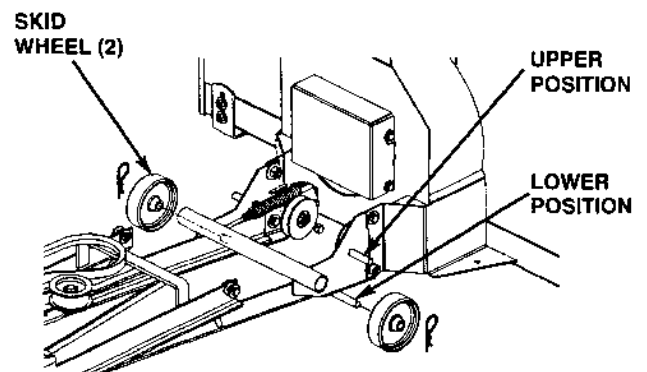
Upper Holes: Install the 3/8" x 1" hex bolts from outside the frame. Secure with flatwashers and lock nuts.

Lower Holes: Install the 7/16" x 1" hex bolts from inside the frame. Secure with flat washers and hex nuts.

Do not completely tighten bolts until blower has been installed on the tractor.

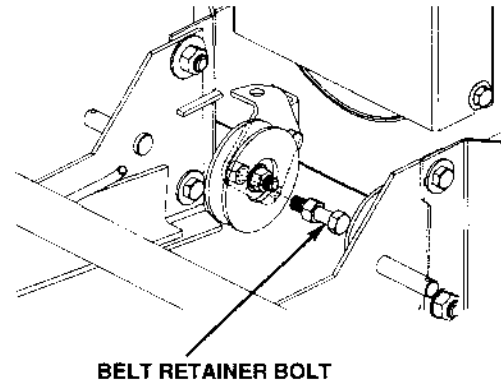


4. Install right and left skid wheels in lower position and secure with lock pin.

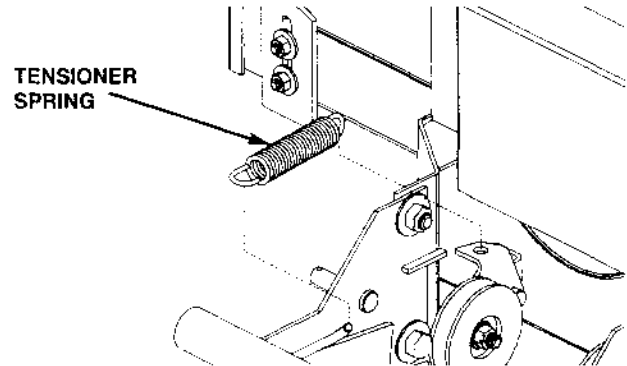


# INSTALLATION

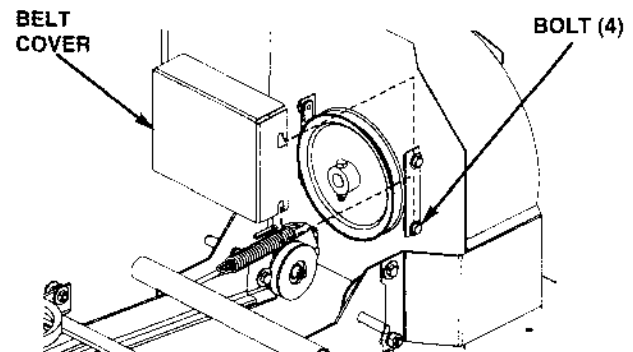
5. Remove belt retainer bolt.



6. Install belt tensioner spring.



7. Loosen belt cover retaining bolts until belt cover can be removed by sliding belt cover upwards and back. It is not necessary to remove bolts.

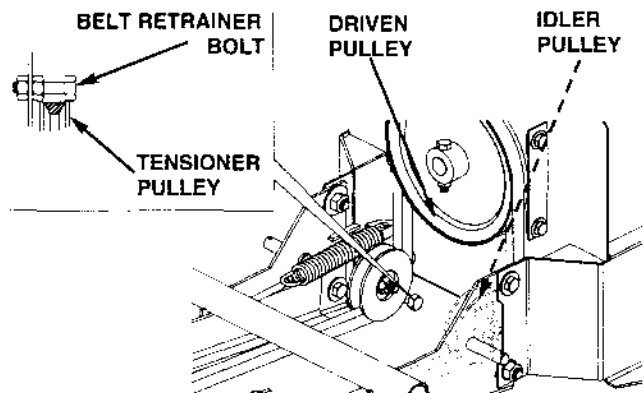


8. Install belt on tensioner pulley first, driven pulley second, and idler pulley third. Make sure belt is not twisted and that it is properly seated in all pulley grooves.

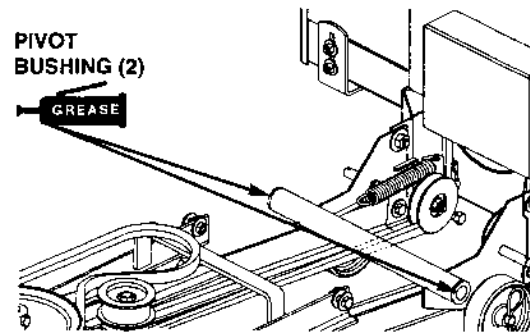
Thread belt retractor bolt into nut until bolt is flush with nut and belt is centered as shown.

Tighten belt retractor nut.

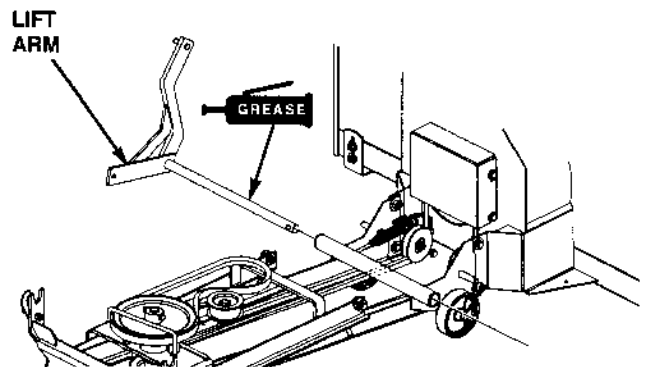
Reinstall belt cover.



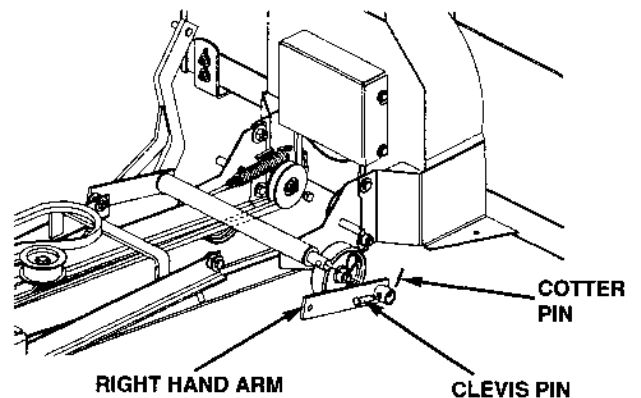
9. Apply grease inside bushings.



10. Insert lift arm from the left side. Apply grease to lift arm spindle.

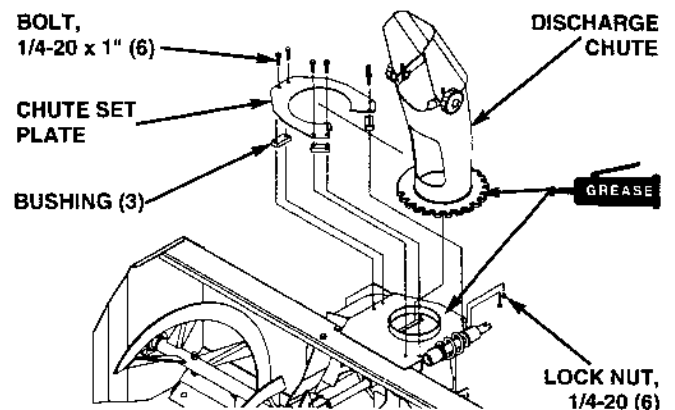


11. Install right hand arm. Align with lift arm and secure with clevis pin and cotter pin. Bend cotter pin to lock clevis pin in place.



12. Install discharge chute:

- Remove chute set plate and bushings.
- Grease discharge chute rotation surfaces and install discharge chute.
- Slide chute set plate through cutout section of discharge chute and down into position.
- Secure discharge chute with chute set plate, bushings, and hardware. Do not overtighten hardware. If hardware is overtightened, the chute may be hard to rotate.



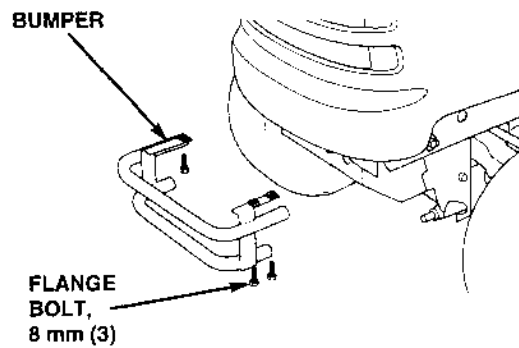
# INSTALLATION

## TRACTOR PREPARATION

Proper counterweighting is required for safe tractor operation with the snowblower installed.

The HA4100 rear weight kit and four 26 lb. suitcase weights are required when operating the snowblower. The rear weight bracket will accept six 26 lb. suitcase weights; so, two additional optional weights can be installed to amount to a total of six weights. Use of tire chains is also recommended. The rear weight kit and weights are sold separately and can be purchased from your local Honda Lawn Tractor dealer.

1. Remove the bumper by removing the three 8 mm flange bolts securing bumper to tractor frame. Keep the three bolts with the bumper. It is not necessary to remove the muffler guard.

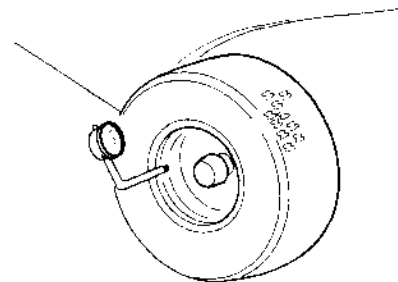


2. If available, install tire chains.

3. Set tire air pressures. Higher tire air pressures are recommended due to the added weight of the snowblower.

Front Tire: 16 psi (10 psi with mower deck)

Rear Tire: 14 psi ( 8 psi with mower deck)

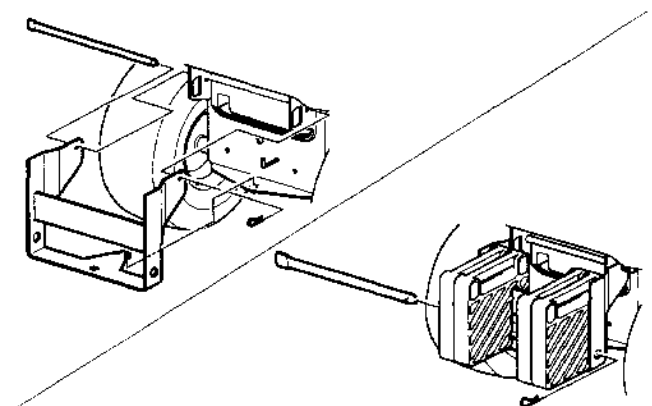


4. Remove mower deck. Refer to the HA4118H38A • HA4120H48A Lawn Tractor Owner's Manual for detailed step-by-step mower deck removal procedure. Retain drive belt with mower deck.

For removal of other attachments, refer to their respective Operator's Manual.

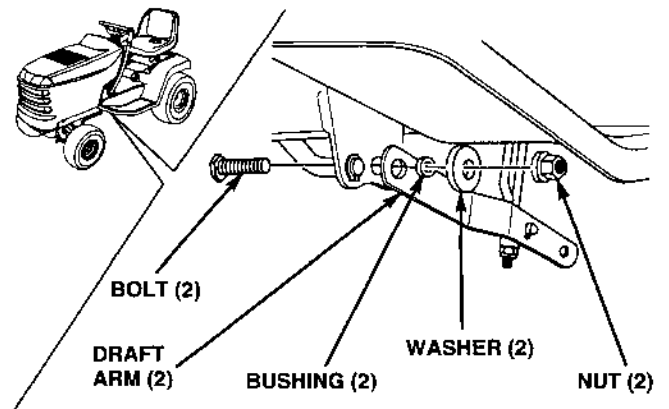
5. Install rear weight bracket on rear of lawn tractor frame and secure with lock pin as shown.
6. Hang a minimum of four 26 lb. counterweights on the bracket. Insert rod through slots in counterweights, then secure rod with a lock pin as shown.

The HA4100 rear weight kit and counterweights must be purchased separately.

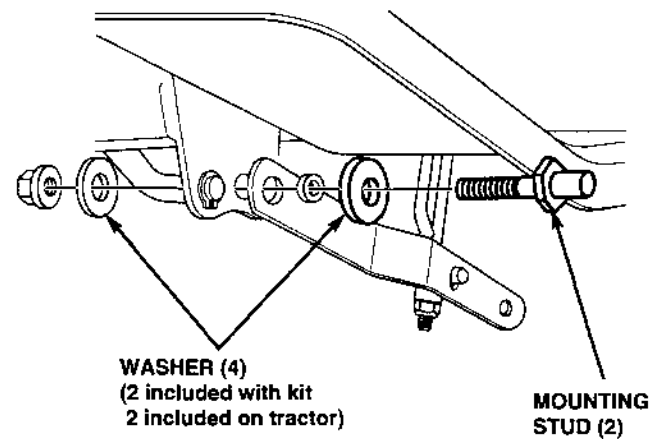


## Mounting Stud Installation

1. Remove nut, washer, and bolt from both right and left draft arm. Keep bushing in draft arm.

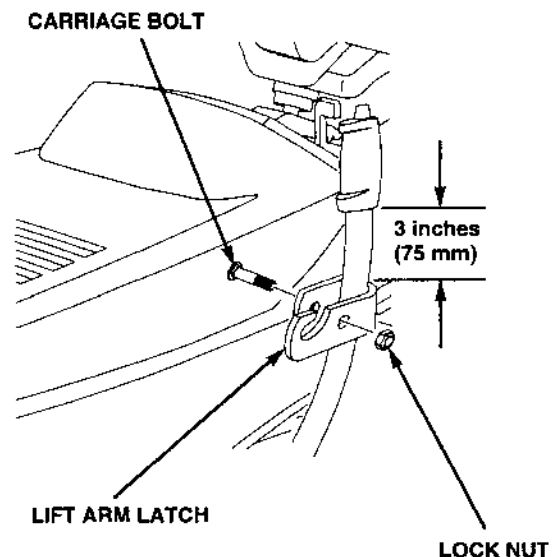


2. Install washer removed in step 1 on a mounting stud.
3. Install mounting stud through bushing, draft arm, and tractor frame.
4. Install new washer and existing nut removed in step 1. After tightening nut, make sure lift link moves up and down freely in the bushing.
5. Repeat steps 2 through 4 for the other side.



## Lift Arm Latch Installation

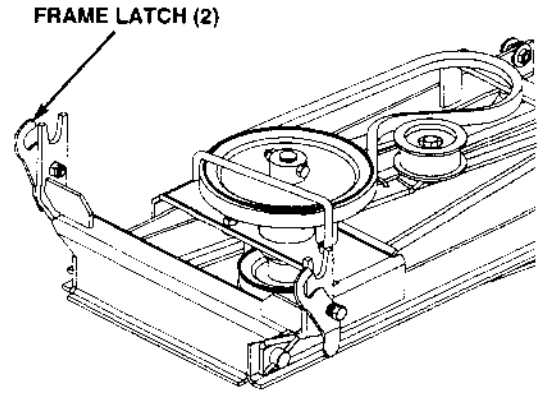
1. With hook on the outside as shown, install the lift arm latch 3 inches (75 mm) from bottom of the grip.
2. Fasten latch with carriage bolt and lock nut.



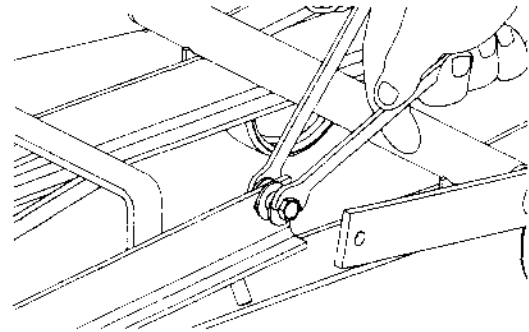
# INSTALLATION

## SNOWBLOWER INSTALLATION

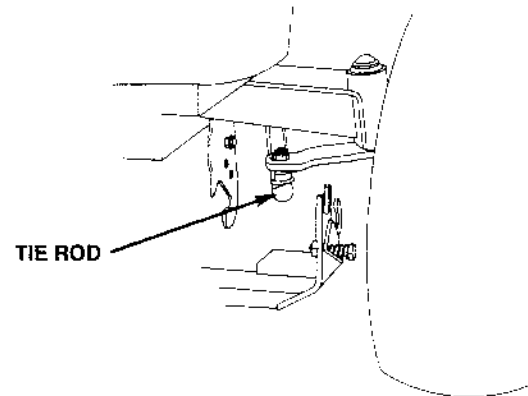
1. Open rear frame latches.



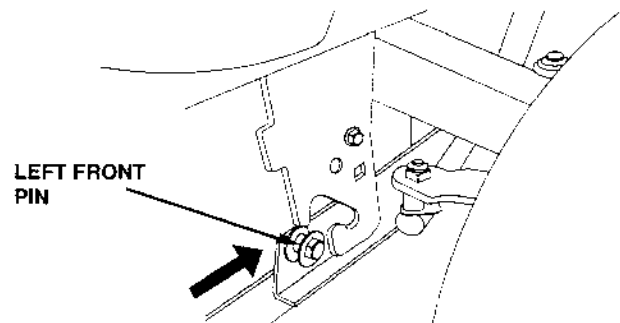
2. Loosen the front mounting pins until they will slide freely in their slots. This step is necessary for first time installation only.



3. Pivot blower head so snowblower weight is supported by the skid wheels. Roll the snowblower under the tractor. Make sure the rear frame mounts go outside the tie rod as the snowblower is rolled rearward.

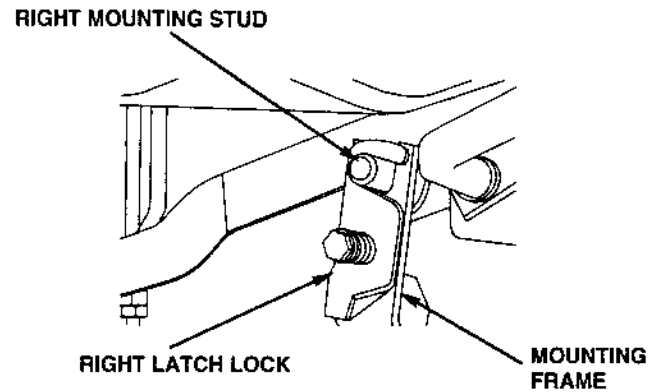


4. Push snowblower rearward until both front pins are engaged.

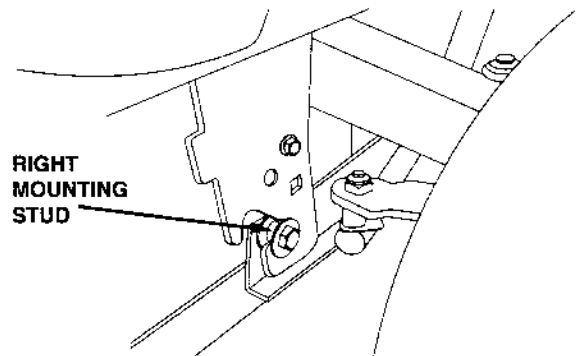




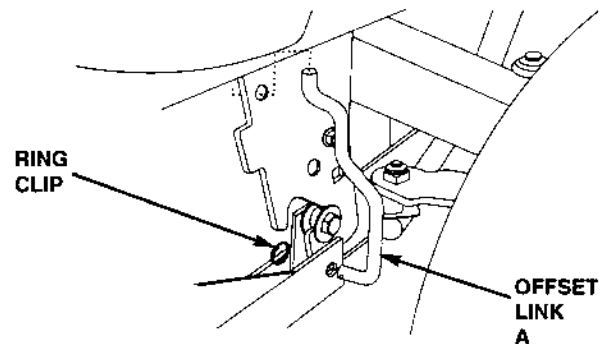
5. Lift up mounting frame rear until mounting frame is fully engaged in both rear mounting studs. Swing right and left latch locks into lock position.



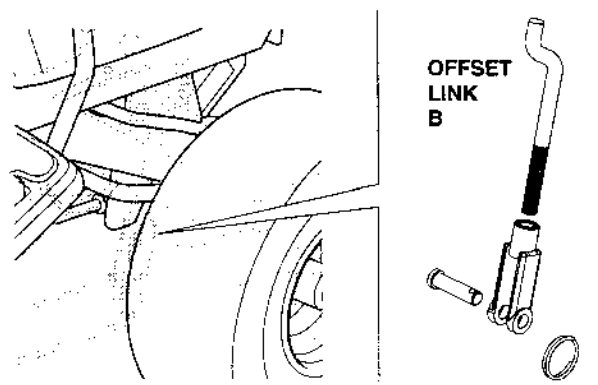
6. Push both right and left mounting pins rearward as far as possible and tighten in this position.



7. Install the non-adjustable left offset link A and secure with a ring clip.



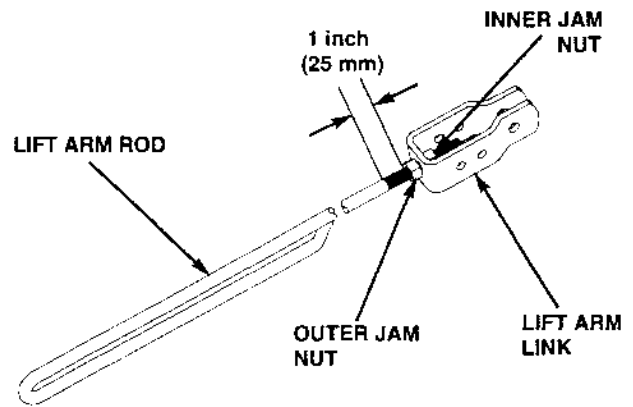
8. Adjust offset link B length so that all freeplay is removed from lift arm. Install offset link B and secure with ring clip.



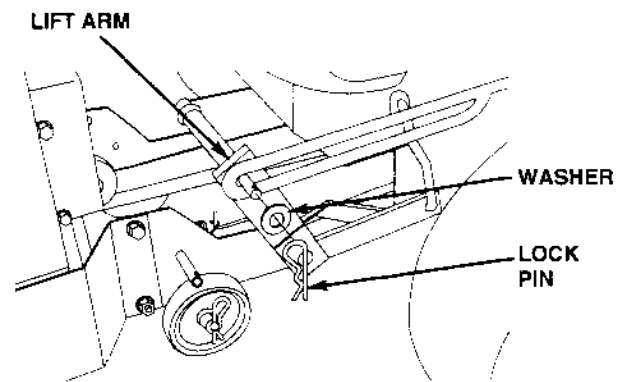
# INSTALLATION

9. Assemble lift arm rod:

- a. Thread inner 3/8 inch jam nut onto lift arm rod until nut is 1 inch (25 mm) from the end of the threaded area.
- b. Install lift arm link and outer 3/8 inch jam nut.
- c. Tighten nuts.

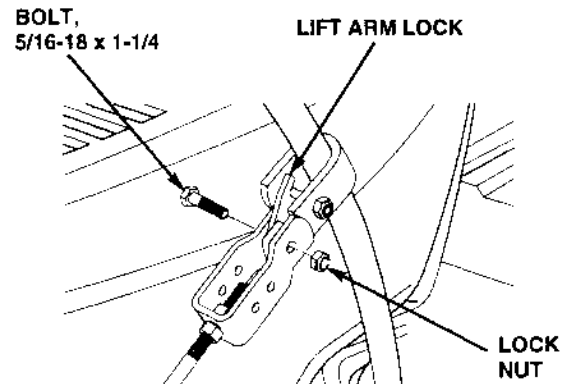


10. Install lift arm rod over lift arm pin. Secure with washer and lock pin.



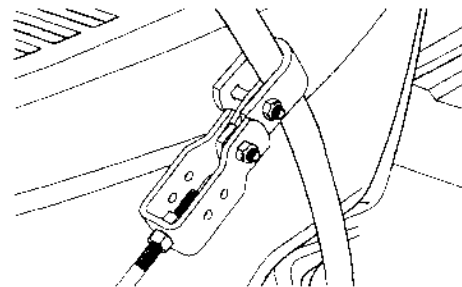
11. Install 5/16-18 x 1-1/4 bolt and hand tighten lock nut. Make sure lift arm lock is inside the lift arm latch.

It may be necessary on the first-time installation, to loosen and move lift arm latch slightly to install the 5/16-18 x 1-1/4 bolt. If necessary to move lift arm latch, tighten lift arm latch lock nut.



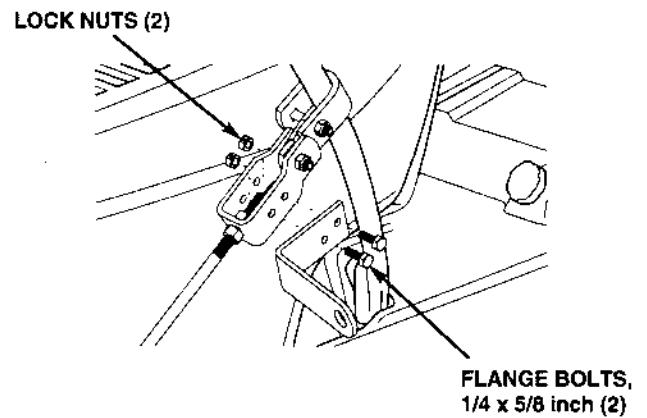
12. Pivot lift arm lock to the rear to rest on lift arm latch bolt.

13. Tighten lock nut. Do not overtighten lock nut. Lift arm lock must pivot freely.

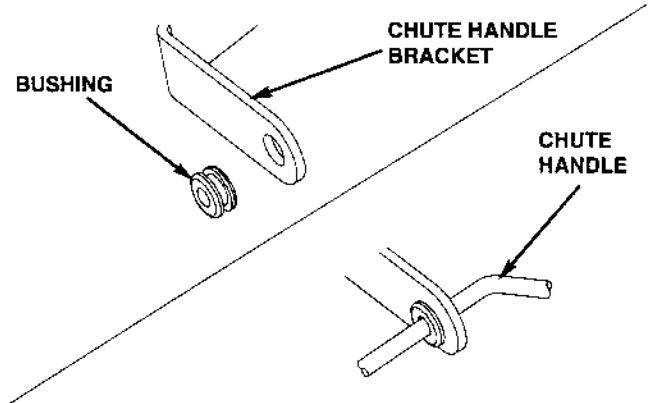


## Discharge Chute Crank Installation

1. Assemble chute handle bracket to the lift arm link and secure with two 1/4 x 5/8 inch flange bolts and 1/4 inch lock nuts.

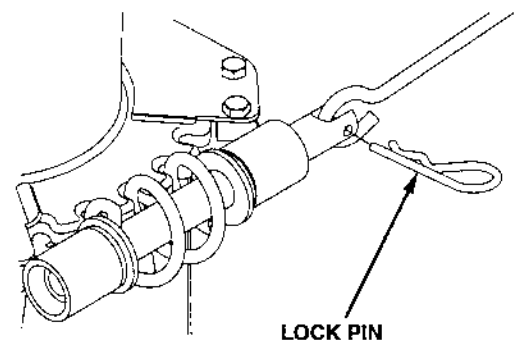


2. Install bushing in chute handle bracket.



3. Slide chute handle through bushing.

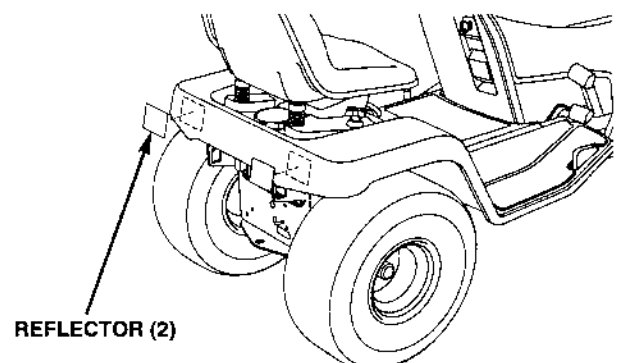
4. Insert ring end of discharge chute crank handle into rotation worm gear and retain with lock pin.



## Rear Reflector Installation

Clean the rear fenders where the reflectors are to be installed.

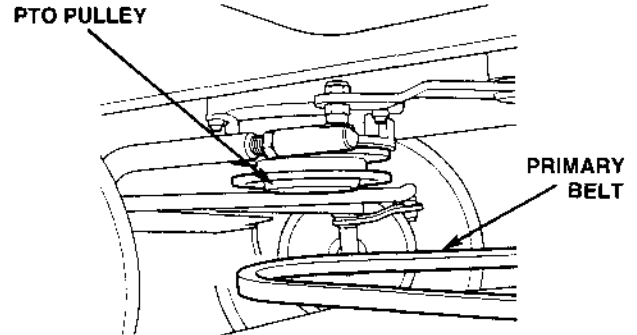
Remove the protective backing from the two reflectors and press them firmly onto the rear fender.



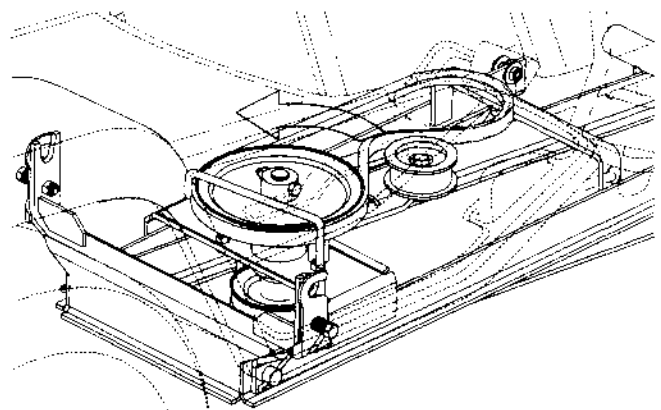
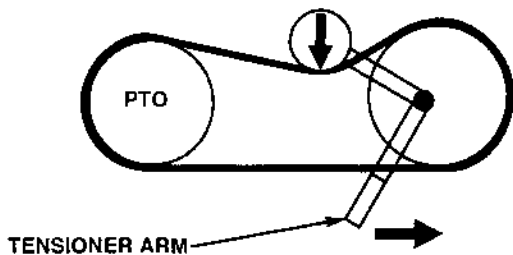
# INSTALLATION

## Primary Belt Installation

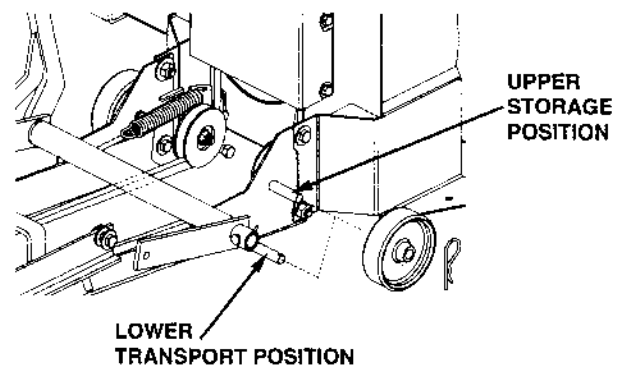
1. Install primary belt over PTO pulley.



2. Tension belt by rotating tensioner arm over center.



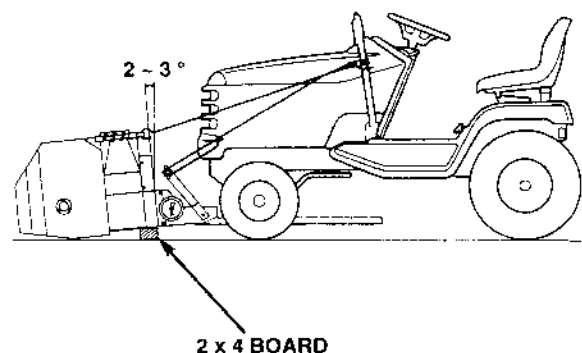
3. Raise blower and move skid wheels to the upper storage position.



4. Use a two foot long 2x4 board to support both sides of the blower head and locate board at the back of the blower head as shown. Keep the right and left sides of the blower head parallel with the tractor. Use the lift lever to lower the blower head to the ground and lock the lift lever forward.

The blower head should be adjusted so that it is angled slightly forward.

Tighten the blower head mounting bolts securely.

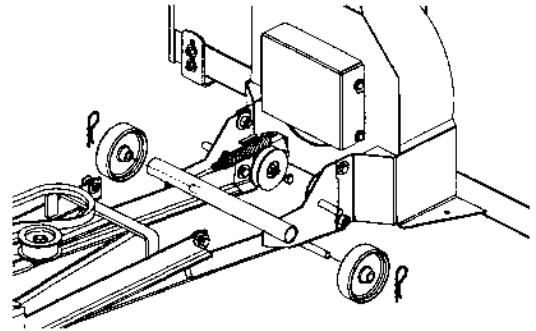


**SNOWBLOWER REMOVAL**

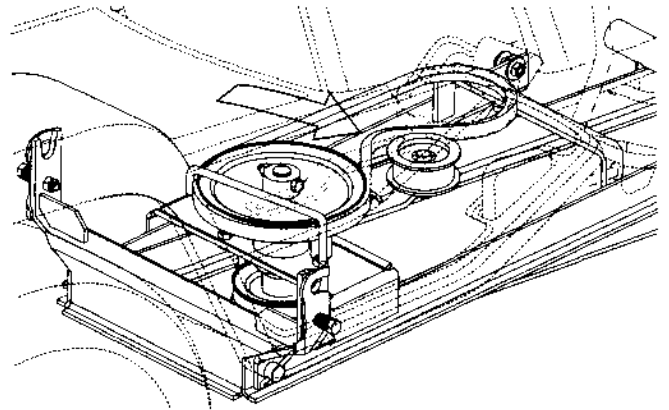
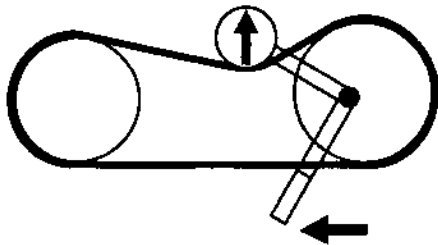
Park lawn tractor safely on a flat, level surface. Make sure the PTO knob is in the OFF position. Turn the engine OFF, remove the ignition key and set the parking brake ON. Disconnect the spark plug caps.

1. Use lift lever to raise snowblower and move skid wheels to the transport position.

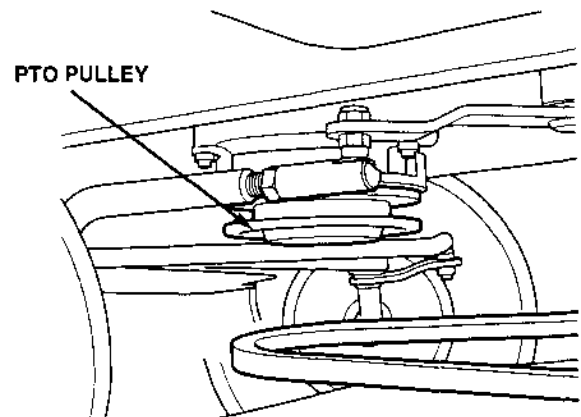
Use lift lever to lower snowblower and put lift lever in the forward locked position.



2. Release primary belt tension by rotating tensioner arm over center.



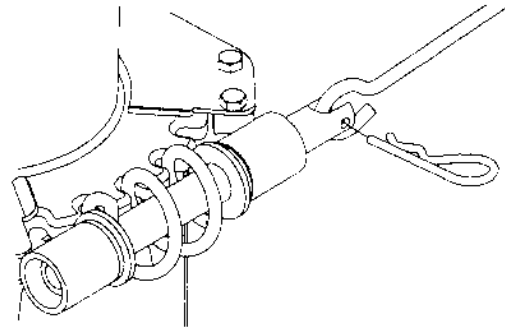
3. Remove primary belt from the PTO pulley.



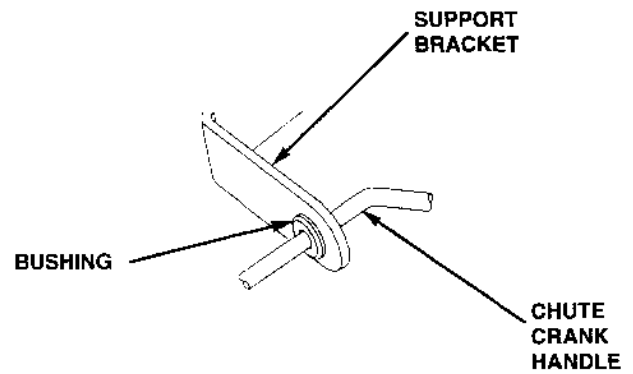
## REMOVAL

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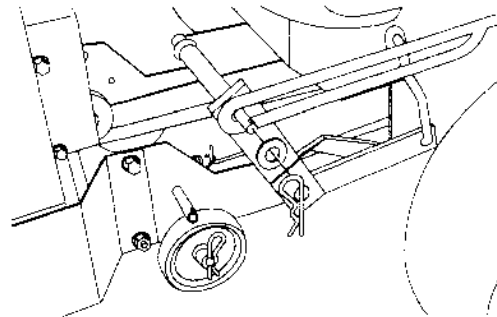
4. Remove lock pin securing chute crank handle to rotation worm gear.



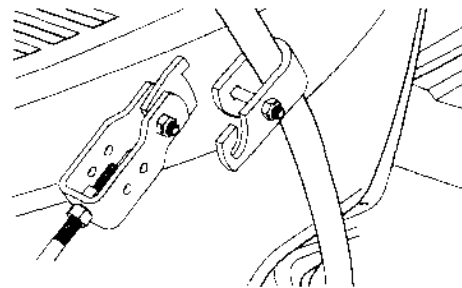
5. Slide chute crank handle through bushing in chute handle bracket.



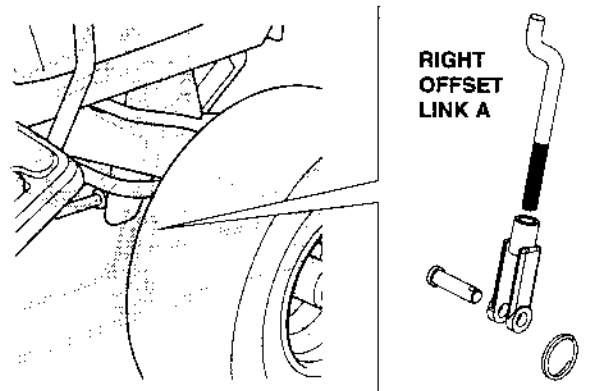
6. With the lift arm in the locked position, remove lock pin and washer securing lift arm rod to the lift arm.



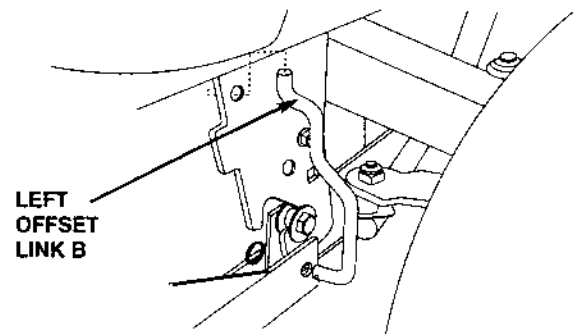
7. Remove lift rod assembly from lift arm latch.



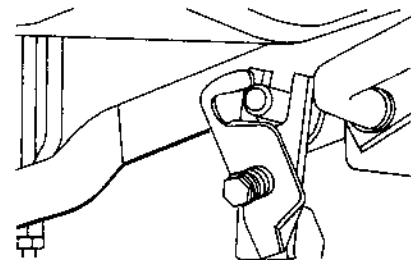
8. Remove the right offset link A.



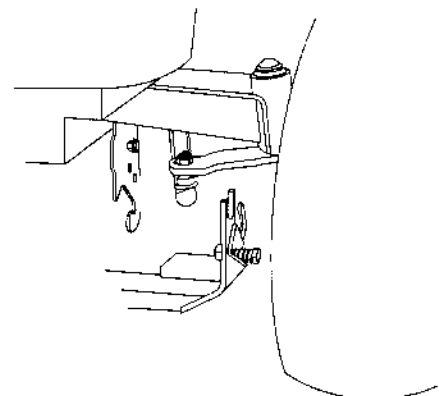
9. Remove the left offset link B.



10. Disengage right and left latches and allow snowblower frame to drop down from rear mounting studs.



11. Pull snowblower forward until front pins are disengaged. Make sure left rear of snowblower frame goes outside the tie rod and roll snowblower out from under lawn tractor.

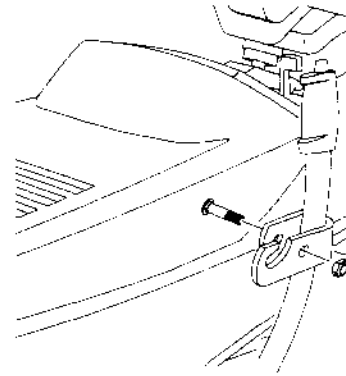


## REMOVAL

12. Grip the lift lever handle firmly (it is now under spring tension) and move it to the upper transport position.

Remove the carriage bolt and lift arm latch.

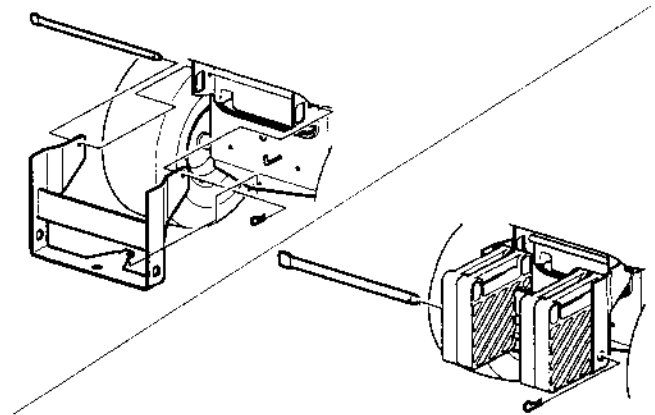
It is not absolutely necessary to remove the lift arm latch.



13. Remove counterweights and bracket.

### ⚠ CAUTION

To help prevent injury: When the snowblower is removed you **MUST** also remove the rear counterweights.



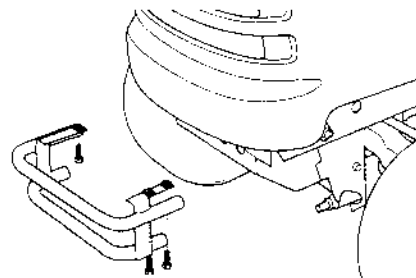
14. If installed, remove tire chains.

15. Install bumper using the three 8 mm flange bolts that originally secured bumper to tractor frame.

### ⚠ CAUTION

**DRY GRASS, LEAVES, OR DEBRIS CAN CATCH FIRE IF ALLOWED TO CONTACT MUFFLER.**

Do not operate snowblower without front guard in place.





### TRANSPORTING

Move the PTO knob the OFF position when transporting, or when the snowblower is not in use.

Lower the snowblower to the surface of the transport vehicle.

Read the TRANSPORTING chapter of the HA4118H38A • HA4120H48A owner's manual.

### STORAGE

1. If the snowblower is going to remain on the lawn tractor, never store the tractor with fuel in the fuel tank inside a building where open flames or sparks are present. Allow the engine to cool before storing in an enclosed space.
2. Clean the snowblower thoroughly with garden hose water pressure. After the snowblower is clean and dry, touch up any damaged paint, and coat other areas that may rust with a light film of oil.
3. Inspect for worn or damaged parts and repair or replace as necessary.
4. Lubricate all moving parts as shown in the maintenance chapter.
5. Store the snowblower in a dry place. Do not cover with sheet plastic or other material which will trap moisture.

# SPECIFICATIONS

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## Lawn Tractor with Snowblower Attached

Overall length*	101 inch (256.5 cm)
Overall height	41 inch (1041 mm)
Overall width	42 inch (1067 mm)
Wet weight*	700 lbs (317 Kg)
Approach angle	15°

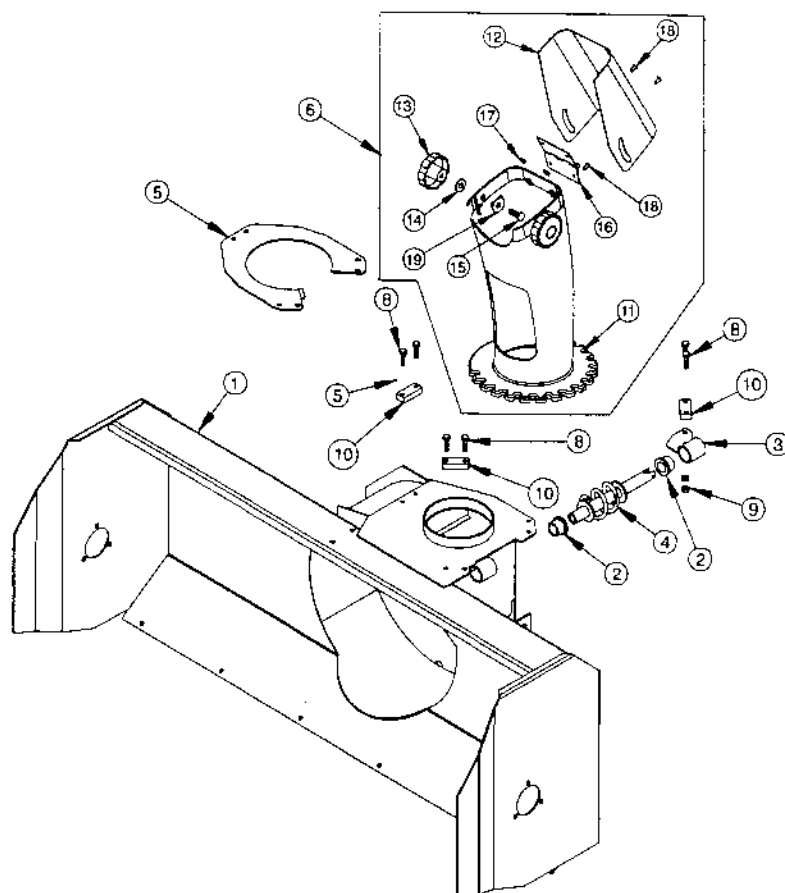
\* Four 26 lb suitcase weights installed

## Snowblower

Model	SB4142
Description code	RZEJ
Weight	154 lbs (70 Kg)
Discharge chute rotation	110° right and left
Approach angle	15°
Lift travel	8 inches total (6 inches up and 2 inches down)
Auger diameter	13 inch (330 mm)
Auger rpm	176 rpm with engine @ 3200 rpm
Auger rotation direction	Clockwise (viewed from the lift lever side)
Blower diameter	13.5 inch (343 mm)
Blower rpm	1232 rpm with engine @ 3200 rpm
Blower depth	4.88 inch (124 mm)
Gear box oil capacity	5 fl-oz (150 ml)

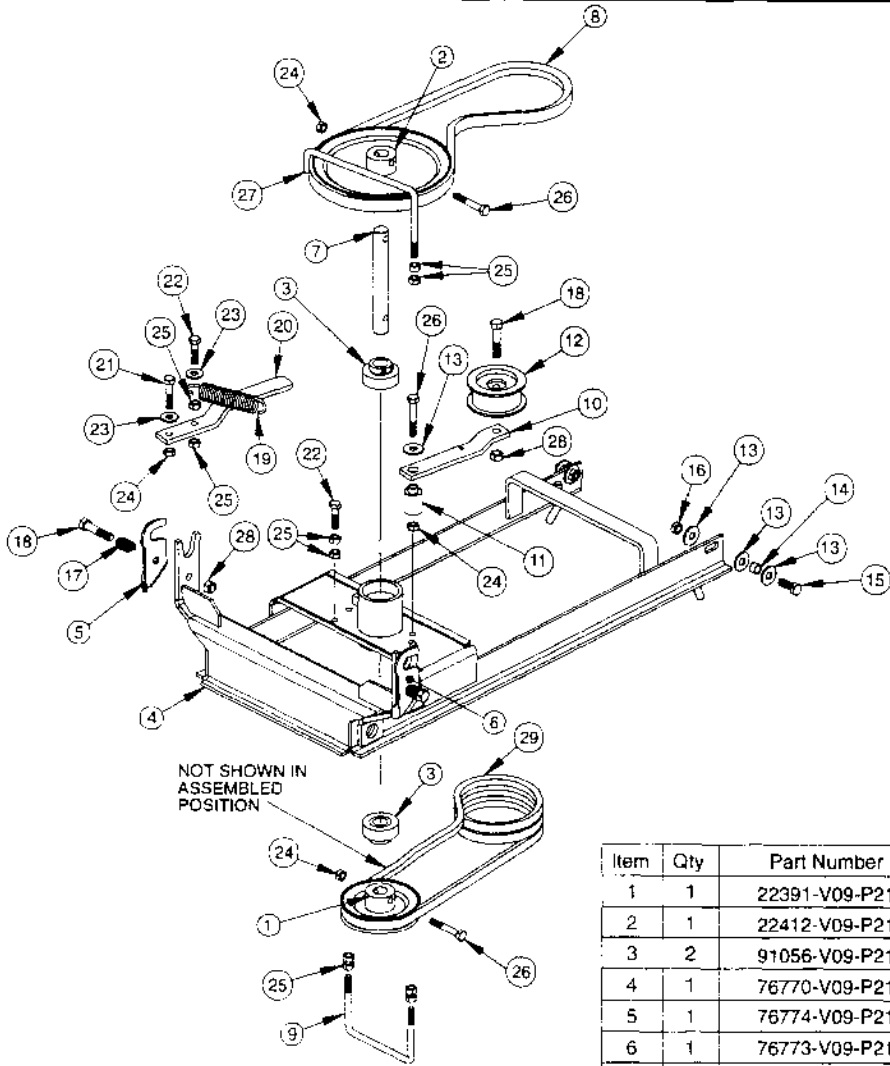
Specifications subject to change without notice.

## CHUTE



Item	Qty	Part Number	Description
1	1	76710-V09-P21	Auger housing comp
2	2	91569-V09-P21	Nylon bushing 3/4"
3	1	76333-V09-P21	Shaft support
4	1	76332-V09-P21	Chute drive gear
5	1	76321-V09-P21	Chute set plate
6	1	76300-V09-P21	Discharge chute assembly
7	2	90331-V09-P01	Lock nut, 5/16-18
8	6	90158-V09-P21	Bolt, 1/4-20 x 1"
9	6	90333-V09-P21	Lock nut, 1/4-20
10	3	91570-V09-P21	Collar, 3/8"
11	1	76310-V09-P21	Chute comp
12	1	76320-V09-P21	Chute guide comp
13	2	76314-V09-P21	Chute knob
14	2	90546-V09-P21	Nylon washer .885 OD x .385 ID
15	2	90155-V09-P01	Carriage bolt, 5/16-18 x 1"
16	1	76318-V09-P21	Chute hinge
17	4	90547-V09-P21	Rivet washer, 3/16"
18	4	90852-V09-P21	Pop rivet, 3/16 x 3/8"
19	2	76319-V09-P21	Grip pad

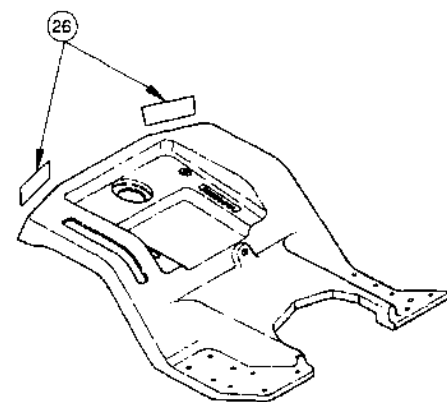
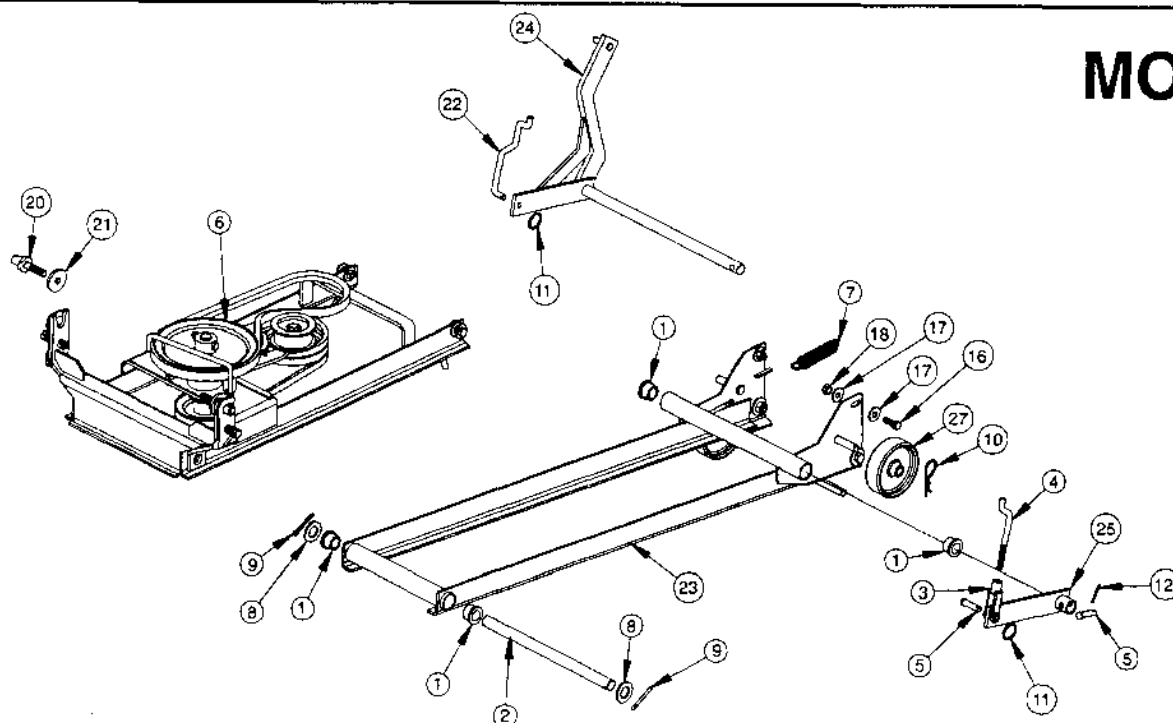
Part availability subject to change.



Item	Qty	Part Number	Description
1	1	22391-V09-P21	Engine driven pulley
2	1	22412-V09-P21	Auger drive pulley
3	2	91056-V09-P21	Bearing, 3/4
4	1	76770-V09-P21	Main frame comp
5	1	76774-V09-P21	LH lock bracket
6	1	76773-V09-P21	RH lock bracket
7	1	22396-V09-P21	Pulley shaft
8	1	22433-V09-P21	V-belt (B38)
9	1	22444-V09-P21	Belt guide
10	1	22456-V09-P21	Idler arm
11	1	91571-V09-P21	Idler bushing
12	1	22458-V09-P21	Idler pulley
13	7	90544-V09-P01	Flat washer, 3/8"
14	2	91572-V09-P21	Spacer, 1/2 OD x .949 x .31
15	2	90151-VG5-000	Hex bolt, 3/8-16 x 1
16	2	90334-V09-P21	Jam nut, 3/8-16
17	2	76777-V09-P21	Lock spring
18	3	90160-V09-P21	Bolt, 3/8-16 x 1.75"
19	1	22529-V09-P21	Tension spring
20	1	22526-V09-P21	Tension lever
21	1	90133-VG5-000	Hex bolt, 5/16-18 x 1 1/2
22	2	90132-VG5-000	Hex bolt, 5/16-18 x 1 1/4
23	2	90545-V09-P01	Flat washer, 5/16"
24	4	90331-V09-P01	Lock nut, 5/16-18
25	10	90328-V09-P01	Hex nut, 5/16-18
26	3	90135-VG5-000	Hex bolt, 5/16-18 x 2
27	1	22445-V09-P21	Belt guide
28	3	90335-V09-P21	Lock nut, 3/8-16
29	1	22432-V09-P21	V-Belt (A98)

Part availability subject to change.

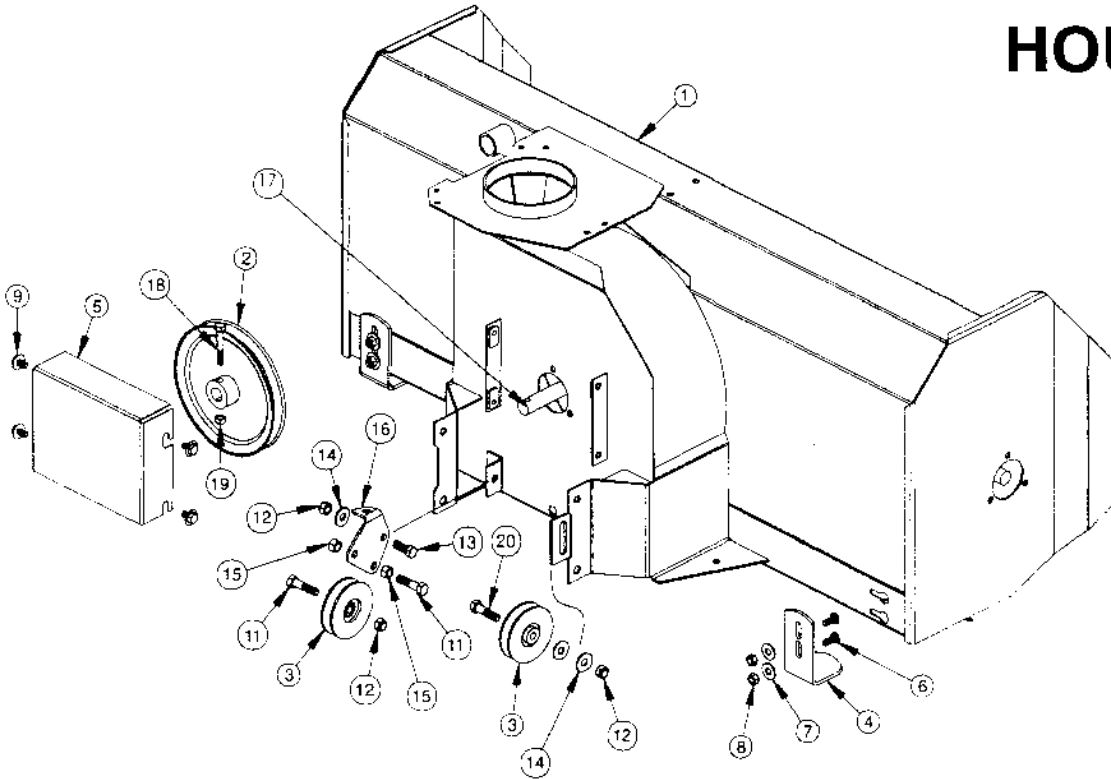
## MOUNT



Item	Qty	Part Number	Description
1	4	91569-V09-P21	Nylon bushing, 3/4"
2	1	76744-V09-P21	Pivot shaft
3	1	76783-V09-P21	Adjustment yoke
4	1	76784-V09-P21	Offset link A
5	2	90772-V09-P21	Clevis pin, 3/8 x 1 3/8
6	1	TBA	Mounting frame assembly
7	1	22529-V09-P21	Tension spring
8	2	90517-VG5-000	Machinery, 3/4"
9	2	90773-V09-P21	Cotter pin, 3/16 x 1.5
10	2	90658-V09-P21	Hair pin clip, .13 x 2.56
11	2	76789-V09-P21	Wire ring
12	1	90751-VG5-L00	Cotter pin, 1/8 x 1
13	2	90163-V09-P21	Bolt, 7/16-14 x 1
14	4	90548-V09-P21	Flat washer, 7/16
15	2	90336-V09-P21	Lock nut, 7/16-14
16	2	90151-VG5-000	Bolt, 3/8-16 x 1
17	4	90544-V09-P01	Flat washer, 3/8
18	2	90335-V09-P21	Lock nut, 3/8-16
19	1	22432-V09-P21	V-belt (A98)
20	2	82369-V09-P01	Mounting stud
21	2	90542-V09-P01	Special washer, .19 x .492 x 1.570
22	1	76788-V09-P21	Offset link B
23	1	76740-V09-P21	Main frame comp
24	1	76775-V09-P21	Lift arm comp
25	1	76778-V09-P21	RH arm comp
26	2	33744-V09-P21	Platform reflector
27	2	76779-V09-P21	Skid wheel

Part availability subject to change.

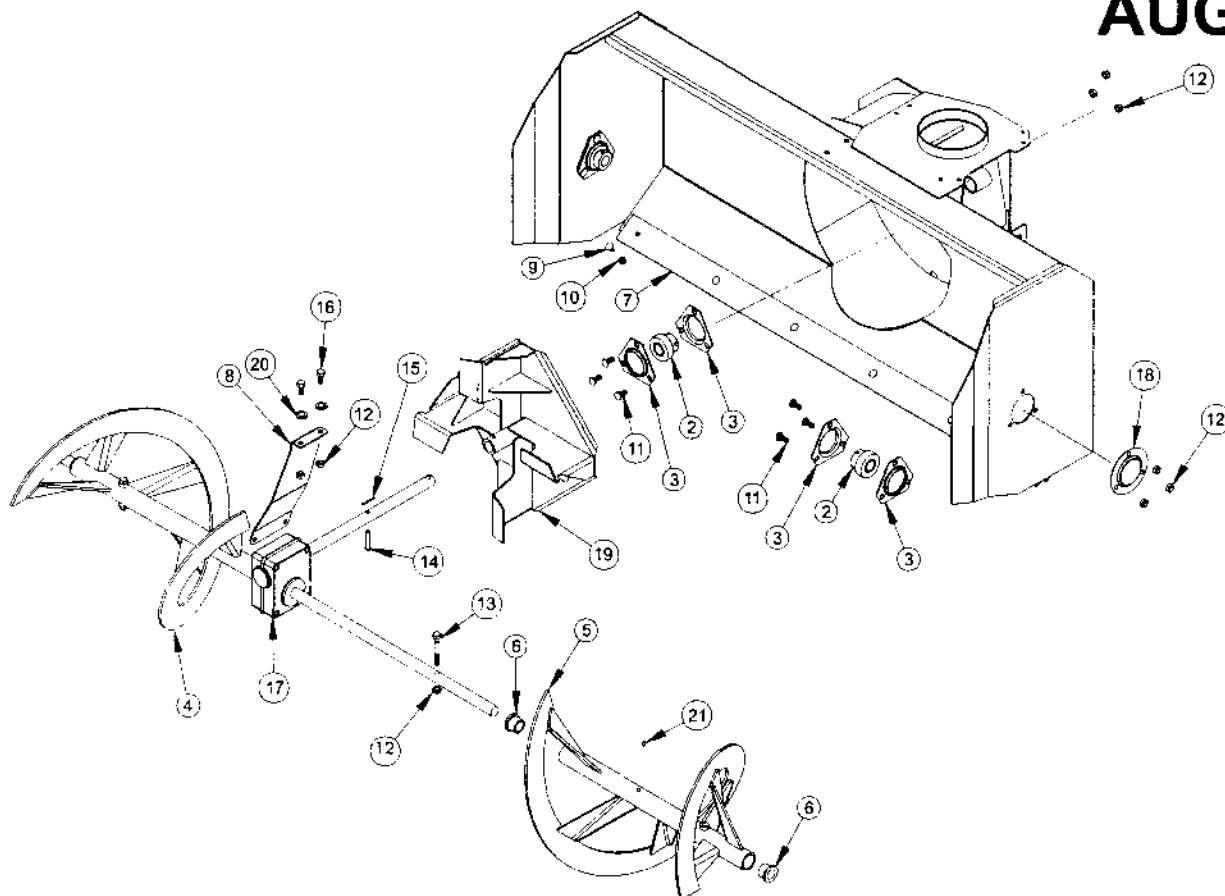
# HOUSING



Item	Qty	Part Number	Description
1	1	76710-V09-P21	Blower head, 42"
2	1	22412-V09-P21	Auger drive pulley
3	2	76723-V09-P21	Idler, 3"
4	2	76153-V09-P21	Auger skid shoe
5	1	76727-V09-P21	Rear shield
6	4	90164-V09-P21	Carriage bolt, 5/16-18 x 3/4
7	4	90545-V09-P01	Flat washer, 5/16
8	4	90328-V09-P01	Hex nut, 5/16-18
9	4	90162-V09-P21	Self tap screw, 5/16-18 x 0.5"
10	1	90766-VG5-000	Cotter pin, 3/32 x 3/4
11	2	90153-VG5-L00	Hex bolt, 3/8-16 x 1 1/2
12	3	90335-V09-P21	Lock nut, 3/8-16
13	1	90151-VG5-000	Hex bolt, 3/8-16 x1
14	3	90544-V09-P01	Flat washer, 3/8
15	2	90329-V09-P01	Hex nut, 3/8-16
16	1	76729-V09-P21	Pivot plate
17	1	71205-V09-P21	Auger gearbox
18	1	90135-VG5-000	Hex bolt, 5/16-18 x 2
19	1	90331-V09-P01	Lock nut, 5/16-18
20	1	90166-V09-P21	Bolt, 3/8-16 x 1-3/4"

Part availability subject to change.

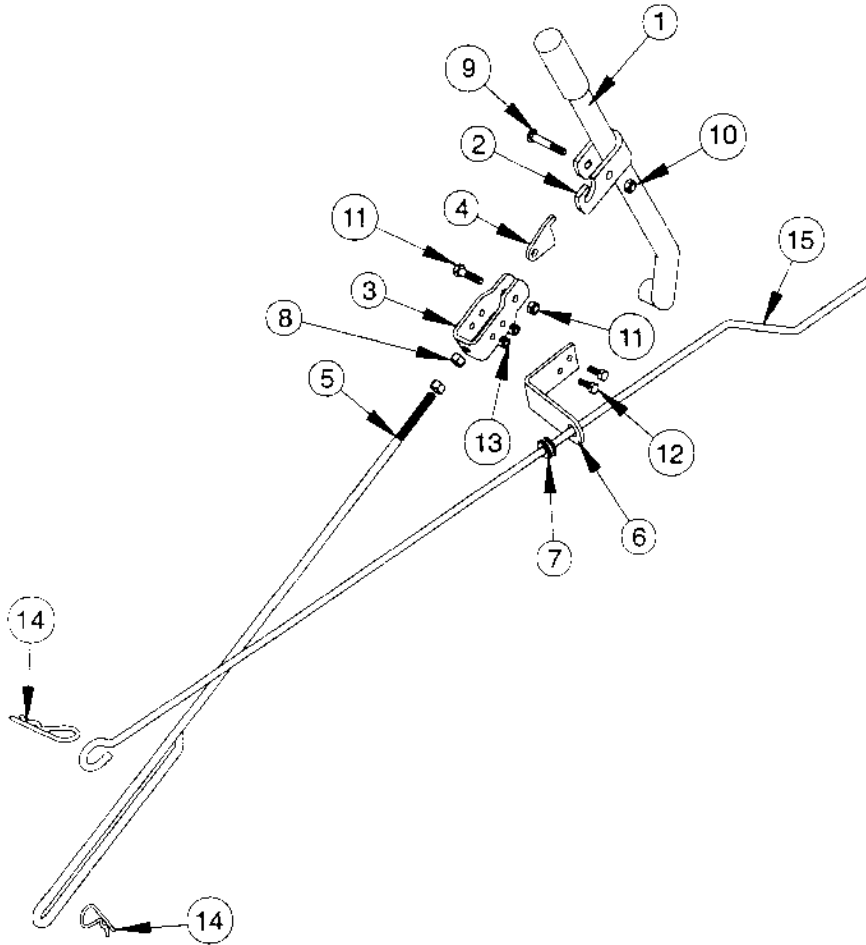
## AUGER



Item	Qty	Part Number	Description
1	1	TBA	Head, 42"
2	3	91057-V09-P21	Lock bearing, 3/4
3	6	72423-V09-P21	Flange plate
4	1	72402-V09-P21	LH auger comp
5	1	72401-V09-P21	RH auger comp
6	4	91569-V09-P21	Nylon bushing, 3/4
7	1	76713-V09-P21	Auger edge
8	1	71234-V09-P21	Gearbox mounting plate
9	6	90161-V09-P21	Carriage bolt, 1/4-20 x 5/8
10	6	90333-V09-P21	Lock nut, 1/4-20
11	9	90164-V09-P21	Carriage bolt, 5/16-18 x 3/4
12	13	90331-V09-P21	Lock nut, 5/16-18
13	2	90159-V09-P21	Shear bolt, 5/16-18 x 2.25
14	1	90774-V09-P21	Clevis pin, 1/4 x 1 3/8
15	1	90766-VG5-000	Cotter pin, 3/32 x 3/4
16	2	90130-VG5-000	Hex bolt, 5/16-18 x 3/4
17	1	71205-V09-P21	Auger gearbox
18	2	76734-V09-P21	Auger shaft cap
19	1	72411-V09-P21	Blower comp
20	2	90545-V09-P21	Washer, 5/16
21	2	90951-771-000	Grease nipple

Part availability subject to change.

# ARM

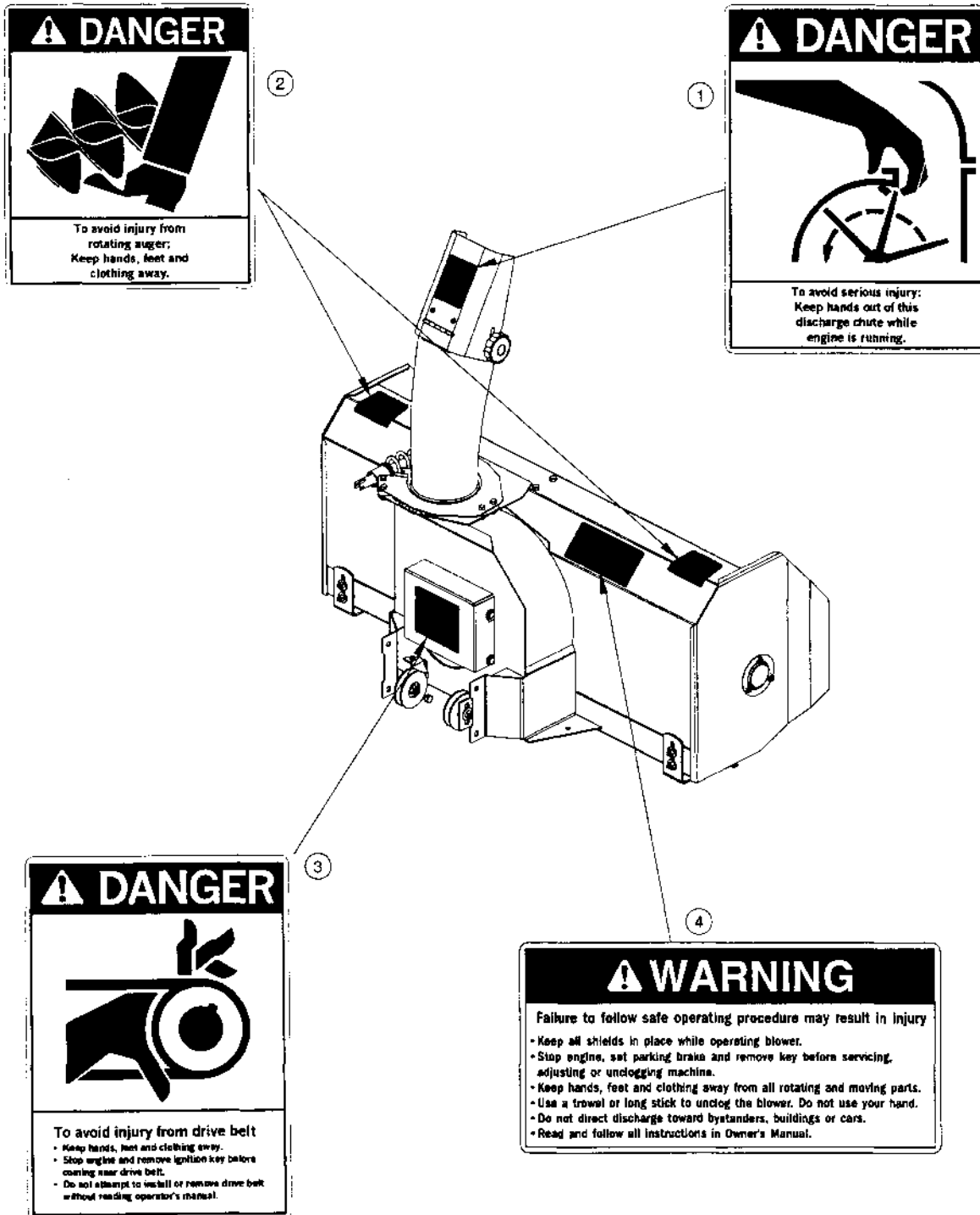


Item	Qty	Part Number	Description
1	1	Tractor part	Tractor lift lever
2	1	82371-V09-P01	Lift arm latch
3	1	82376-V09-P01	Lift arm link
4	1	82373-V09-P01	Lift arm lock
5	1	76769-V09-P21	Lift arm rod
6	1	76337-V09-P21	Chute handle bracket
7	1	76336-V09-P21	Chute handle bushing
8	2	90329-V09-P01	Hex nut, 3/8-16
9	1	90156-V09-P01	Carriage bolt, 5/16-18 x 2
10	2	90331-V09-P01	Lock nut, 5/16-18
11	1	90132-VG5-000	Hex bolt, 5/16-18 x 1 1/4
12	2	90157-V09-P01	Flange bolt, 1/4-20 x 5/8
13	2	90333-V09-P21	Lock nut, 1/4-20
14	2	90659-V09-P21	Lock pin
15	1	76353-V09-P21	Chute handle

Part availability subject to change.



# DECALS



Item	Qty	Part Number	Description
1	1	87208-V09-P21	DANGER discharge mark
2	2	87207-V09-P21	DANGER housing mark
3	1	87209-V09-P21	DANGER drive belt mark
4	1	87122-V09-P21	WARNING label

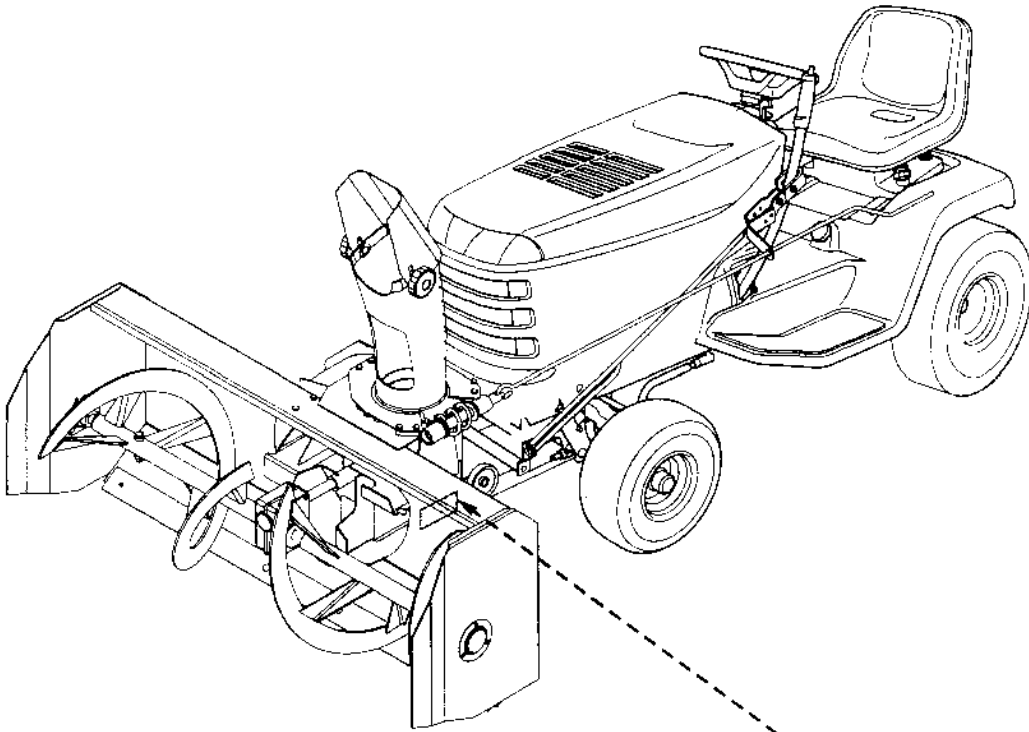
Part availability subject to change.

## ADDITIONAL INFORMATION

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### INFORMATION LABEL

Record the model and serial number in the boxes below. You will need these numbers when ordering parts and when making technical or warranty inquiries.



SNOWBLOWER IDENTIFICATION PLATE

MODEL:

SERIAL NO:

AMERICAN HONDA MOTOR CO. , INC.  
DULUTH, GA

### OPTIONS

Below is a list of options for your snowblower. Optional equipment can be purchased from your local Honda Lawn Tractor dealer.

#### **HA4100 Rear Weight Kit**

**P/N 76750-V09-P400 H/C 6048045**

Kit includes the rear counterweight bracket, attaching hardware, and installation instructions.

#### **Suitcase Counterweights**

**P/N 59111-752-630 H/C 2581445**

Counterweights will provide extra traction and proper stability. One 26 lb. suitcase weight is included when one part number is ordered. Four counterweights are required to properly counterweight the snowblower. Proper counterweighting is required for safe tractor operation with the snowblower installed. The rear weight bracket will accept six 26 lb. suitcase weights; so, two additional suitcase weights can be installed to amount to a total of six weights.

#### **HA4100 Tire Chains**

**(P/N 06427-V09-A00 H/C 6063226)**

Tire chains are available for the rear tires. These chains greatly improve traction and are strongly recommended when using the snowblower. One tire chain for each rear wheel is included when one part number is ordered.

### HONDA PUBLICATIONS

These publications will give you additional information for maintaining and repairing your snowblower. You may order them from your Honda lawn tractor dealer.

#### **Shop Manual**

This manual covers complete lawn tractor overhaul procedures. It is intended to be used by a skilled technician.

#### **Parts Listing**

This parts listing provides a complete illustrated service parts list.

## **ADDITIONAL INFORMATION**

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### **WARRANTY SERVICE INFORMATION**

Honda Power Equipment dealership personnel are trained professionals. They should be able to answer any question you may have. If you encounter a problem that your dealer does not solve to your satisfaction, please discuss it with the dealership's management. The Service Manager or General Manager can help. Almost all problems are solved in this way.

If you are dissatisfied with the decision made by the dealership's management, contact the Honda Power Equipment Customer Relations Office.

You can write to:     **American Honda Motor Co., Inc.**  
Power Equipment Division  
Customer Relations Office  
4475 River Green Parkway  
Duluth, GA 30096-2565

Or telephone:       (770) 497-6400 weekdays, 8:30 a.m. - 5:00 p.m. EST

When you call or write, please provide us the following information:

- Model and serial numbers (lawn tractor and snowblower)
- Name of the dealer who sold you the snowblower
- Name and address of the dealer who services your snowblower or lawn tractor
- Date of purchase
- Your name, address, and telephone number
- A detailed description of the problem

## **Current customer service contact information:**

### **United States, Puerto Rico, and U.S. Virgin Islands:**

Honda Power Equipment dealership personnel are trained professionals. They should be able to answer any question you may have. If you encounter a problem that your dealer does not solve to your satisfaction, please discuss it with the dealership's management. The Service Manager or General Manager can help. Almost all problems are solved in this way.

If you are dissatisfied with the decision made by the dealership's management, contact the Honda Power Equipment Customer Relations Office. You can write:

American Honda Motor Co., Inc.  
Power Equipment Division  
Customer Relations Office  
4900 Marconi Drive  
Alpharetta, GA 30005-8847

Or telephone: (770) 497-6400 M-F, 8:30 am - 5:00 pm EST

When you write or call, please provide the following information:

- Model and serial numbers
- Name of the dealer who sold the Honda power equipment to you
- Name and address of the dealer who services your equipment
- Date of purchase
- Your name, address, and telephone number
- A detailed description of the problem

**HONDA**

**P/N: 31HA460SB**  
**H/C: 6052591**



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