



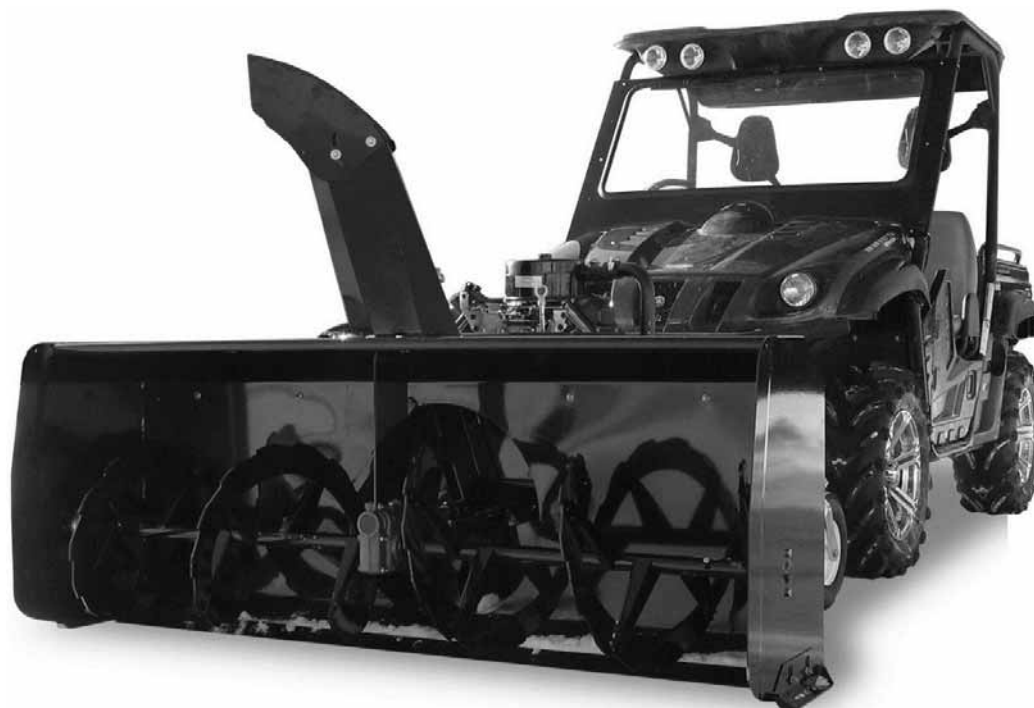
OWNER'S MANUAL

Model Number

Original Version

700512-3-66" Snowblower

700513-3-72" Snowblower



BERCO

VANTAGE 66" & 72" Snowblower

For

OFF ROAD UTILITY VEHICLE

* ASSEMBLY
* OPERATION

* REPAIR PARTS
* MAINTENANCE

CAUTION:

**READ & FOLLOW ALL SAFETY RULES & INSTRUCTIONS BEFORE
OPERATING YOUR EQUIPMENT**



LIMITED WARRANTY

Conditions and Products Covered:

BERCOMAC guarantees any part of the product or accessory manufactured by BERCOMAC and found in the reasonable judgment of BERCOMAC to be defective in material and or workmanship will be repaired or replaced by an authorized dealer without charge up to our maximum labor rates and pre-established times. For replacement parts only standard ground freight services are covered. This warranty extends to the original retail purchaser only and is not transferable to any subsequent purchasers. This warranty applies to the products bought and used in North America.

Warranty Period

(from date of the original retail purchase):

- Residential or semi-commercial use: 1 year
- Commercial, professional or rental use: 90 days

Exceptions Noted Below; the following items are guaranteed by the original manufacturer and have their own warranty, conditions and limited time:

- Tire Chains: 90 days
- Engines: Will vary as per the manufacturer
Please refer to the engine manufacturer's warranty statement included with the unit. BERCOMAC is not authorized to handle warranty adjustments on engines.

Items and Conditions NOT Covered:

This warranty does not cover the following:

- Pick-up or delivery charges or in-home services fees.
- Any damage or deterioration of the unit, parts and or finish of these due to normal use, wear and tear, or exposure.
- Cost of regular use or maintenance service or parts, such as gas, oil, lubricants, tune-up parts, and adjustments.
- Any part or accessory which has been altered, modified, misused, neglected, accidentally damaged or not properly installed, maintained, stored or repaired not in accordance with the instructions in the owner's manual.
- Repair due to normal wear and or any wear items include but are not limited to items such as shear pins, bolts, belts, winch cables, cutting edge, skid shoes etc.
- Expedited freight fee services for replacement parts.
- Shear bolts and shear pins are to be considered as a preventive measure not as an assured protection, any damages resulting from the lack of shear bolts breakage are not covered.

NOTE: All warranty work must be performed by an authorized dealer using original (manufacturer) replacement parts.

NOTE: Bercomac reserves the right to change or improve the design of any part or accessory without assuming any obligation to modify any product previously manufactured.

Instructions for Obtaining Warranty Services:

Contact dealer where equipment was purchased or any other authorized service dealer to arrange service at their dealership. Requests for warranty claims must be carried out through the same distribution network used to purchase the product. Don't forget to bring your proof of purchase (sales receipt) to the dealer.

Owner's Responsibilities:

Any defective equipment or part must be returned to an authorized dealer within the warranty period for repairs. In the event that defective merchandise must be returned to manufacturer for repairs, the dealer must first obtain a written authorization from either KIMPEX or BERCOMAC, freight fees are prepaid prior to the shipment. This warranty extends only to equipment operated under normal conditions. To validate a warranty claim, it is the user's responsibility to maintain and service the unit as specified in the owner's manual or to have the unit serviced at their dealer at their expense.

General Conditions:

The sole liability of BERCOMAC with respect to this warranty shall be strictly and exclusively repair and replacement as mentioned herein. BERCOMAC shall not have any liability for any other costs, loss or damage, including but not limited to, any incidental or consequential loss or damage.

Taking advantage of the warranty does not in any way extend the length or renewal of the warranty.

In particular, without being limited to, BERCOMAC shall have no liability or responsibility for:

- Travel time, overtime, after hours time or other extraordinary repair charges or relating to repairs and or replacements outside of normal business hours.
- Rental of like or similar replacement equipment during the period of any, repair or replacement work.
- Any communicating or travel charges.
- Loss or damage to person or property other than that covered by the terms of this warranty.
- Any claims for lost revenue, lost profit or any similar costs as a result of damage or repair.
- Attorney's fees.

BERCOMAC's responsibility in respect to claims is limited to making the required repairs or replacement without charge up to our maximum labor rates and pre-established times and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any product or accessory. In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold.

This warranty gives you specific legal rights. You may also have other rights, which vary from state to state.

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INTRODUCTION

TO THE PURCHASER

This new accessory was carefully designed to give years of dependable service. This manual has been provided to assist in the safe operation and servicing of your attachment.

NOTE: All photographs and illustrations in the manual may not necessarily depict the actual models or attachment, but are intended for reference only and are based on the latest product information available at the time of publication.

Familiarize yourself fully with the safety recommendations and operating procedures before putting the machine to use. Carefully read, understand and follow these recommendations and insist that they be followed by those who will use this attachment.



THIS SAFETY ALERT SYMBOL IDENTIFIES AN IMPORTANT SAFETY MESSAGE IN THIS MANUAL THAT HELPS YOU AND OTHERS AVOID PERSONAL INJURY OR EVEN DEATH. DANGER, WARNING, AND CAUTION ARE SIGNAL WORDS USED TO IDENTIFY THE LEVEL OF HAZARD. HOWEVER, REGARDLESS OF THE HAZARD, BE EXTREMELY CAREFUL.

DANGER: Signals an extreme hazard that will cause serious injury or death if recommended precautions are not followed.

WARNING: Signals a hazard that may cause serious injury or death if the recommended precautions are not followed.

CAUTION: Signals a hazard that may cause minor or moderate injury if the recommended precautions are not followed.

Record your attachment serial number and purchase date in the section reserved below (there is no serial number on the subframe). Your dealer requires this information to give you prompt, efficient service when ordering replacement parts. Use only genuine parts when replacements are required.

If warranty repairs are required please present this registration booklet and original sales invoice to your selling dealer for warranty service.

This manual should be kept for future reference.

Please check if you have received all the parts for your kit with the list of the bag and the list of the box.

SERIAL NUMBER :
(IF APPLICABLE)

MODEL NUMBER:

PURCHASE DATE :



SAFETY PRECAUTIONS



Careful operation is your best insurance against an accident. Read this section carefully before operating the vehicle and accessory. This accessory is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury. All operators, no matter how experienced they may be, should read this and other manuals related to the vehicle and accessory before operating. It is the owner's legal obligation to instruct all operators in safe operation of the accessory.

GLOSSARY:

In this manual, right and left sides are determined by sitting on the seat of the vehicle facing forward.

In this manual, "accessories" means attachments (snowblower, rotary broom, blade etc.) that you install on the vehicle (lawn tractors, A.T.V. s etc).

TRAINING:



This symbol, "Safety Alert Symbol", is used throughout this manual and on the accessory's safety labels to warn of the possibility of serious injury. Please take special care in reading and understanding the safety precautions before operating the vehicle and accessory.

1. Read this owner's manual carefully. Be thoroughly familiar with the controls and proper use of the vehicle and accessory. Know how to stop the unit and disengage the controls quickly.
2. Never allow children to operate the vehicle nor the accessory. Never allow adults to operate the vehicle nor the accessory without proper instructions.
3. No one should operate the vehicle nor the accessory while intoxicated or while taking medication that impairs the senses or reactions.
4. Keep the area of operation clear of all people, particularly small children and pets.

PREPARATION:

1. Thoroughly inspect the area where the accessory is to be used and remove door mats, all foreign objects and the like.
2. For motorized accessories, disengage all clutches and shift into neutral before starting engine.
3. Do not operate the accessory without wearing adequate winter outer garments. Avoid loose fitting clothing that can get caught in moving parts. Wear footwear that will improve footing on slippery surfaces.

4. Handle fuel with care, it is highly flammable.

- a) Use approved fuel container.
 - b) Never add fuel to a running engine or hot engine.
 - c) Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors.
 - d) Never fill containers inside a vehicle, or on a truck or a trailer bed with a plastic liner. Always place containers on the ground, away from your vehicle, before filling.
 - e) When practical, remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment on a trailer with a portable container, rather than from a gasoline dispenser nozzle.
 - f) Keep the nozzle in contact with the rim of the fuel tank or container opening at all times, until refueling is complete. Do not use a nozzle lock-open device.
 - g) Replace fuel cap securely and wipe up spilled fuel.
 - h) If fuel is spilled on clothing, change clothing immediately.
5. Never attempt to make any adjustments while the engine (motor) is running (except when specifically recommended by manufacturer).
 6. Let the vehicle and accessory adjust to outdoor temperatures before using.
 7. Never use an accessory without proper guards, plates, or other safety protective devices in place
 8. Always make sure to wear the appropriate safety equipment required (glasses, muffs, mask...) for each type of product. See operation section.
 9. Always make sure of having safe traction on the vehicle by using the recommended accessories (chains, A.T.V. tracks, counterweights...). See operation section.
 10. Always make sure the all components are correctly installed. (driveline securely attached and locked at both ends, belts properly installed...)
 11. Always handle the winch cable with thick leather gloves.
 12. **Never modify the accessory or any part without the written consent from the manufacturer.**



SAFETY PRECAUTIONS



OPERATION:

1. Do not put hands or feet near, under or inside rotating parts.
2. Exercise extreme caution when operating on or crossing gravel drives, walks or roads. Stay alert for hidden hazards or traffic. Do not carry passengers.
3. After striking a foreign object, stop the engine (motor), disconnect the wire from the spark plug(s) and keep wire away to prevent accidental starting. Thoroughly inspect the accessory for any damage and repair damage before restarting and using the accessory.
4. If the unit should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning of trouble.
5. Take all possible precautions when leaving the vehicle unattended. Disengage the power take-off, lower the attachment, place the transmission into neutral, set the parking brake, stop the engine and remove the contact key.
6. Do not run the engine indoors, except when starting the engine and for transporting in or out of the building. Do not operate or let motor run in a storage area without ventilation because gas contains carbon monoxide which is odorless, colorless and can cause death.
7. Never use the accessories across the face of slopes, go from top to bottom. Exercise extreme caution when using equipment on slopes. Do not attempt to clear a steep slope.
8. Never tolerate bystanders in the working zone. Never use an accessory in the direction of bystanders, it might throw gravel or debris that can hurt people or damage property.
9. Never operate the accessory at high transport speeds on slippery surfaces. Use care when backing up.
10. Do not carry passengers.
11. Disengage power to the accessory when it is transported or not in use.
12. Never operate the accessory without good visibility or light.
13. Keep the accessory away from heat sources or flames.
14. Never handle the winch cable or hook while in tension.

MAINTENANCE AND STORAGE

1. When cleaning, repairing or inspecting the vehicle and accessory, make certain that all moving parts have stopped. For gasoline engine, disconnect wire from the spark plug(s) and keep wire away to prevent accidental starting.
2. Check all the bolts and components at frequent intervals to make sure that they are properly tightened.
3. Never store a motorized accessory with fuel in the fuel tank inside a building where ignition sources are present such as hot water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
4. Always refer to the owner's manual when you store the accessory and vehicle for a prolonged or an unspecified length of time.
5. Maintain or replace safety and instruction labels, as necessary.
6. For winter accessories, (if applicable), let the engine run for a few minutes after clean snow in order to prevent the rotary parts from freezing.
7. Inspect the vehicle's and accessory's air filter (if applicable) every day. Clean it or replace it as necessary. Change the oil more often when working in dusty conditions. See the vehicle's and accessory's owner's manual.









**THIS SYMBOL MEANS
DANGER !
BECOME ALERT !
YOUR SAFETY IS INVOLVED !**



SAFETY DECALS



REPLACE IF DECALS ARE DAMAGED
SEE PARTS BREAKDOWN FOR DECAL LOCATION

| Symbol | Description |
|--|---|
| <p>Decal #105126</p>  | <p>To avoid serious injury: Keep hands, feet & clothing away from rotating auger while engine is running.</p> |
| <p>Decal #105127</p>  | <p>To avoid serious injury: Keep hands out of this discharge chute while engine is running.</p> |
| <p>Decal #105128</p>  | <p>To avoid serious injury: Keep hands, feet & clothing away. Do not attempt to install or remove drive belt without reading owner's manual.</p> |
| <p>Decal #105130</p>  | <p>Before installing or using: Locate, read and make sure to understand all of the owner's manual.</p> |
| <p>Decal #105131</p>  | <p>Refer to owner's manual about wearing safety glasses, ear muffs and mask. Refer to owner's manual for use of counter weights, cat tracks and tire chains.</p> |
|  | <p>1-Do not drive faster than 3 KM/H when the snowblower is in operation. 2-Do not drive faster than 10 KM/H when the snowblower is in the raised position. 3-The head of the snowblower weighs 96 kg. (without engine). 4-The engine wattage. (See specification of the engine installed). 5-The sound pressure level (See specification of the engine installed).</p> |

ASSEMBLY

CONVERSION TABLE

| | |
|-----------------------------|----------|
| 1" (po, in) | 25.4 mm |
| 1' (pi, ft) | 0.3 m |
| 1 psi (lb/in ²) | 6.89 kPa |
| 1 lb | 0.45 kg |
| 1 lbf | 4.4 N |
| 1 m/h (mi/h) | 1.61 km |
| 1 hp (cv) | 0.75 kW |

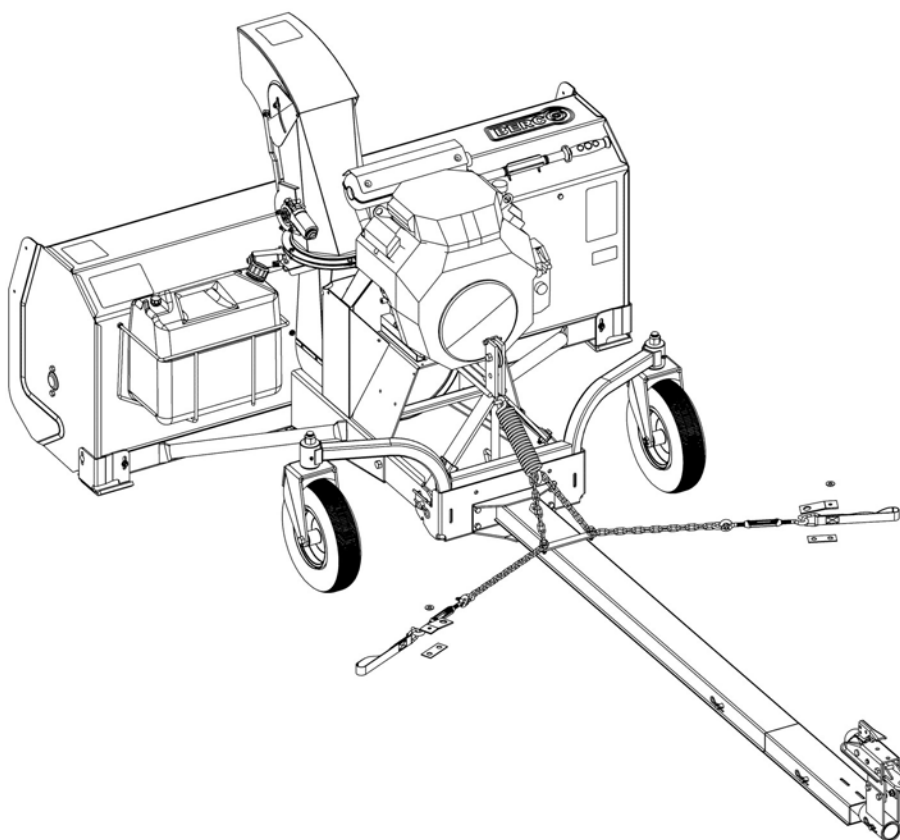
GLOSSARY

| | |
|-----------------------|---------|
| Quad = V.T.T., A.T.V. | |
| Véhicule tout terrain | V.T.T. |
| All terrain vehicle | A.T.V. |
| P.T.O. = P.D.F | |
| Power take-off | (P.T.O) |
| Prise de force | (P.D.F) |

ASSEMBLY INSTRUCTIONS

IMPORTANT: UNLESS OTHERWISE SPECIFIED TORQUE ALL BOLTS ACCORDING TO TORQUE SPECIFICATION TABLE (SEE TABLE OF CONTENTS) WHEN STATED: TIGHTEN FIRMLY. REFER TO PARTS BREAKDOWN SECTION FOR PART IDENTIFICATION.

IMPORTANT: THE VEHICLE MUST BE EQUIPPED WITH A 1 7/8" TOW HITCH BALL IN ORDER TO INSTALL THE VANTAGE SNOWBLOWER.



TOOLS REQUIRED

- 1 Ratchet
- 3 Wrenches 7/16", 1/2", 9/16"
- 3 Sockets 7/16", 1/2", 9/16"
- 1 Hexagonal wrench 5/32"
- 1 Wrench (for the nuts on the vehicle's battery post)

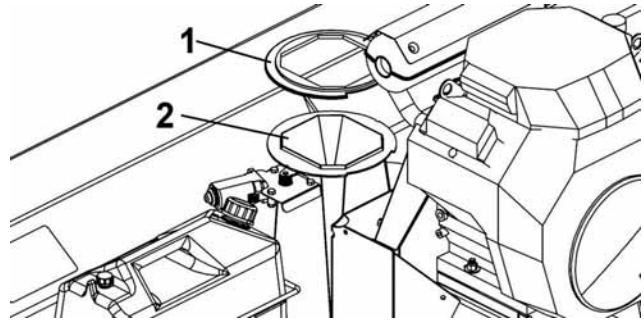
Figure 1 - Overall view of the Vantage snowblower

ASSEMBLY

SNOWBLOWER PREPARATION:

Refer to parts breakdown section for parts identification.

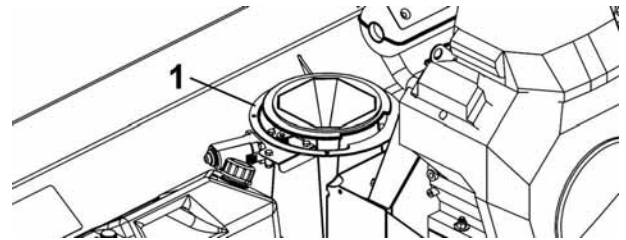
Install the nylon rotation ring (item 1) over the opening (item 2) as shown and align the notches.



Install the nylon rotation ring

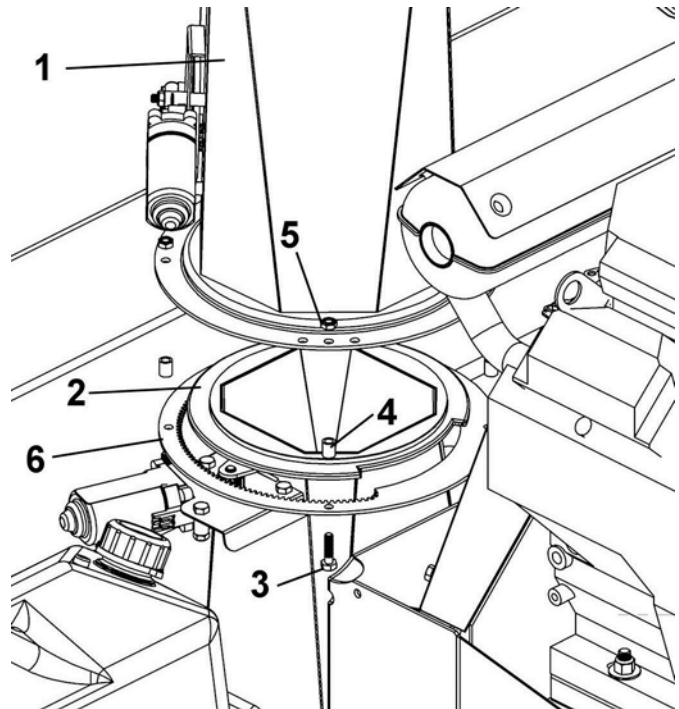
Install the rotation ring (item 1) over the opening as shown.

NOTE: Place grooves of the rotation ring on the teeth of the rotation motor as shown.



Install the rotation ring

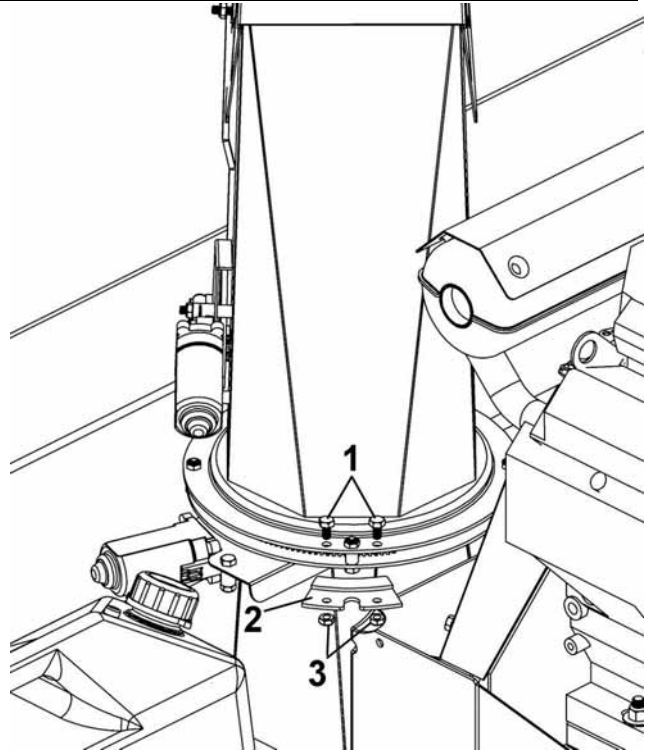
Install the chute (item 1) over the nylon rotation ring (item 2). Turn the chute to make sure it turns freely. Place the chute at a 45° angle as shown. Insert the hex bolts 1/4" x 1" (item 3) under the rotation ring (item 6) in each hole as shown. Insert the spacers (item 4) on the hex bolts between the rotation ring and the chute. Secure in place with the 1/4" nylon insert lock nuts (item 5).



Install the chute

ASSEMBLY

Insert the 1/4" x 1/2" hex bolts (item 1) in the holes as shown.
Install the retaining plate (item 2) under the chute as shown.
Secure in place with the 1/4" nylon insert lock nuts as shown.



Install the retaining plate

VEHICLE PREPARATION:

Choose one of the three following options as a means of fastening the subframe.

OPTION A:

Install the lift strap (**item 1**) by making a loop around the front suspension arm of the vehicle.
Tighten the loop firmly.

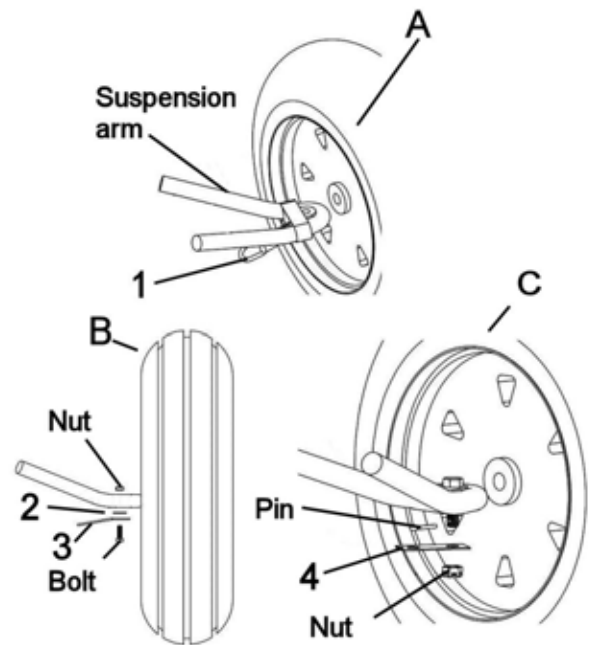
OPTION B:

Remove the nut and bolt from the vehicle's front suspension arm. Secure the bracket (**item 3**) with a bolt, flat washer and nut (**item 2**).
Do not tighten the nut too firmly.

OPTION C:

Remove the nut and bolt from the vehicle's front suspension arm. Secure the bracket (**item 4**) with a bolt, flat washer and nut (**item 2**).
Do not tighten the nut too firmly.

NOTE: Repeat the operation on the other side of vehicle.



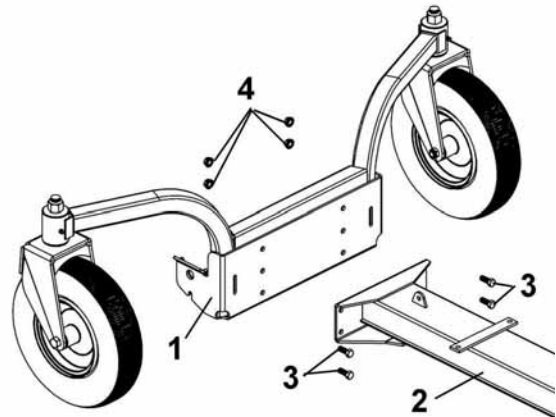
Install the lift strap or the brackets.

ASSEMBLY

PREPARING THE SUBFRAME

Assemble the wheel support (item 1) on the subframe (item 2) with four hex bolts $\frac{3}{8}$ " x 1" (item 3) and four flange nuts $\frac{3}{8}$ " (item 4).

NOTE: The set of holes used to assemble the wheel support to the subframe depends on the height of the vehicle. Once installed the subframe must be parallel with the ground.

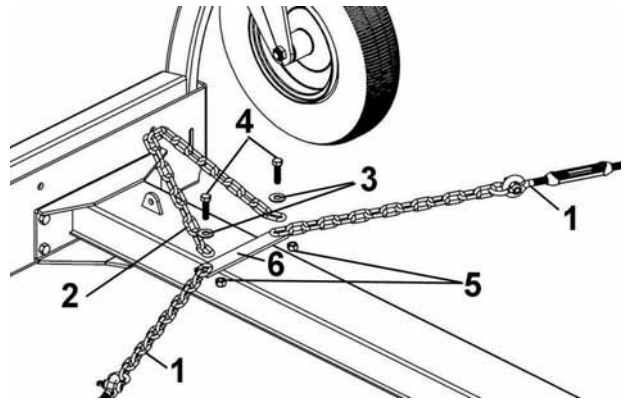


Install the wheel support to the subframe

Install the assembled turnbuckles (item 1) and chain (item 2) on the bracket (item 6) that is welded on the subframe (as shown).

Secure the chains with two hex bolts $\frac{5}{16}$ " x 1" (item 3), two flat washers $\frac{3}{8}$ " (item 4) and two nylon insert lock nuts $\frac{5}{16}$ " (item 5).

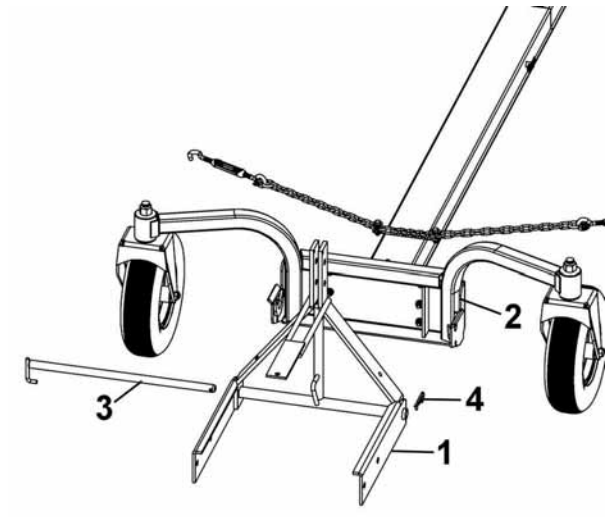
Slightly tighten the nuts to allow the parts to move freely.



Install the assembled turnbuckles

Install the snowblower (item 1) to the wheel support (item 2). Slide the pin (item 3) through the assembly to hold everything together. Hold the pin in place with the hair pin 4mm (item 4) as shown.

NOTE: Make sure the pin is in the locked position.



Install snowblower

ASSEMBLY

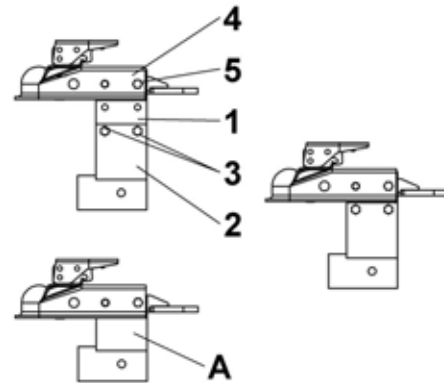
Among the three following configurations, choose the height of the hitch support. There must be a maximum of ground clearance.

(Configuration A) does not have the hitch support plates (item 1).

If applicable, assemble the hitch support plates on the hitch support (item 2) with four hex bolts 3/8" x 3/4" (item 3) and four nylon insert lock nuts 3/8".

Secure the hitch (item 4) on the two hitch support plates or on the hitch support with a hex bolt 3/8" x 3" (item 5) and one nylon insert lock nut 3/8".

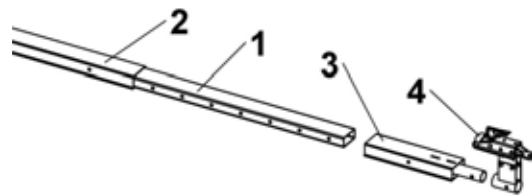
Tighten firmly



Adjusting the hitch support

There are seven different positions on the adjustment tube (item 1) (the adjustment tube can be inverted) to adjust the length of the subframe.

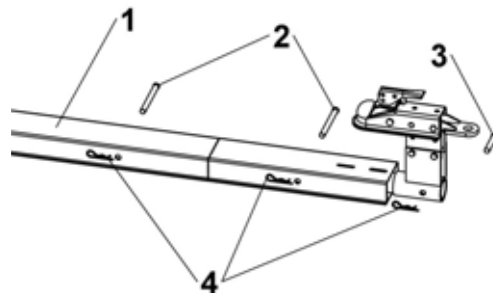
To choose the right adjustment, insert the adjustment tube into the subframe (item 2) and insert the rear bracket (item 3) on the adjustment tube. Slide the hitch support (item 4) on the rear bracket. Do not secure.



Assembling the subframe

Drive the vehicle over the subframe, make sure the caster wheels do not touch the front wheels of the vehicle.

Identify the right length of the subframe (item 1) and secure in place with two long pins (item 2), a short pin (item 3) and three hair pins 3mm (item 4).



Securing the subframe

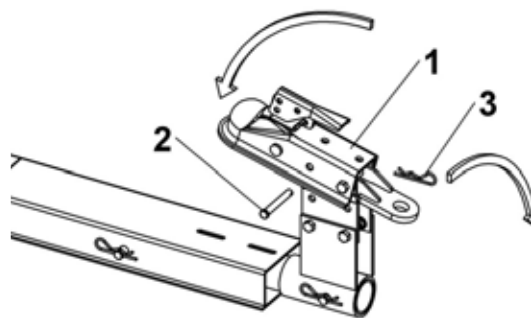
ASSEMBLY

INSTALLING ON THE VEHICLE

Place the hitch (item 1) on the tow hitch ball and secure in place with a pin (item 2) and a hair pin (item 3).

IMPORTANT: Make sure the vehicle never comes into contact with the subframe even when the vehicle's suspensions are compressed to the maximum.

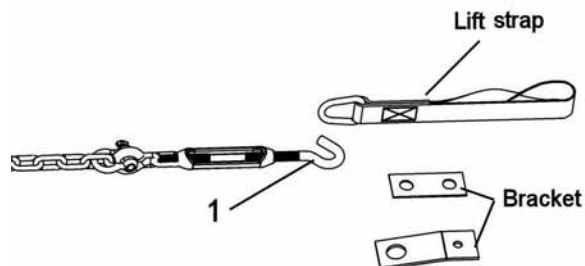
NOTE: It is possible to turn the hitch support to facilitate driving the vehicle over the subframe.



Installing the subframe on the tow hitch ball

Hook the turnbuckles (item 1) in the brackets or the lift straps. Tighten the turnbuckles firmly.

IMPORTANT: After adjusting the turnbuckles, tighten firmly the nuts that secure the brackets on the vehicle's suspension arms. Make sure to lock the nuts with the original locks. Furthermore, tighten firmly the turnbuckle assembly nuts that secure them to the subframe.



Install the turnbuckles

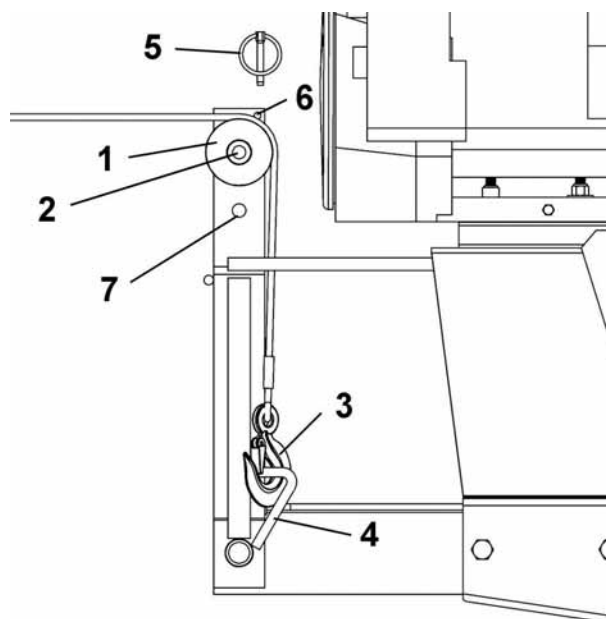
For vehicles with a winch that is higher than 20" (510mm) from the ground, follow these instructions:

Install pulley (item 1) in the top hole of the lever with a 1/2" x 1 3/4" hex bolt (item 2) and secure in place with the nylon insert lock nut. Tighten firmly. Insert the winch hook (item 3) in the rod (item 4). Secure the winch cable by inserting the lynch pin (item 5) in the small hole (item 6).

For vehicles with a winch that is lower than 20" (510mm) from the ground, follow these instructions:

Install pulley (item 1) in the bottom hole (item 7) of the lever with a 1/2" x 1 3/4" hex bolt (item 2) and secure in place with the nylon insert lock nut. Tighten firmly. Insert the winch hook (item 3) in the rod (item 4). Secure the winch cable by inserting the lynch pin (item 5) in the small hole (item 6).

TIP: Thread the winch hook in front of the hitch as shown and then thread the cable over the pulley.

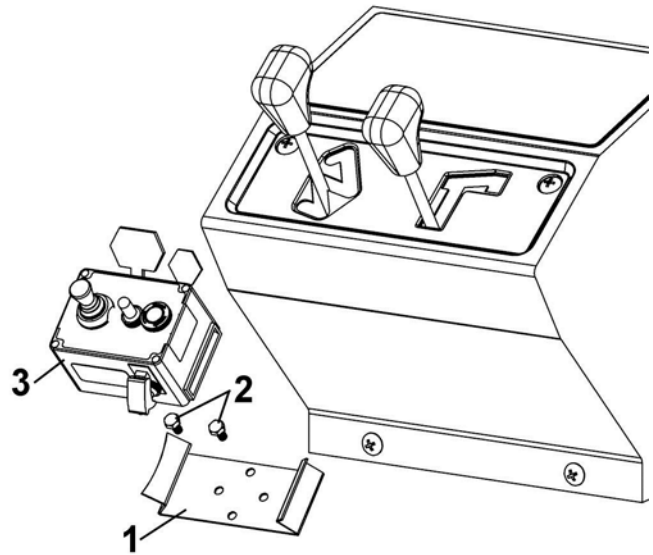


Install the winch hook

ASSEMBLY

CONTROL BOX INSTALLATION:

Disconnect the wires that are connected to the control box (item 3).
Install the box support (item 1) in an appropriate place . Drill holes if necessary. Secure the box support with the two 1/4" x 1/2" hex bolts and flange nuts.
Tighten firmly.
Install the control box on the box support.
Thread the wires that unites the accessory under the hood to the front of the vehicle.



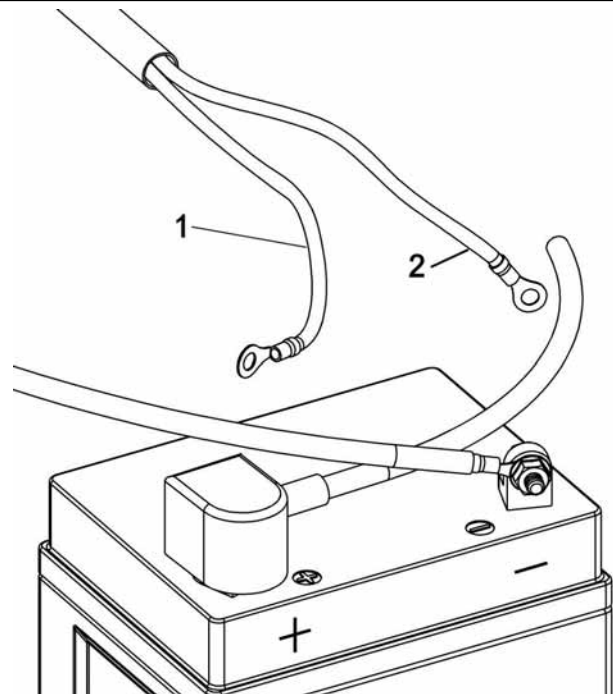
Install the control box

Thread the other wire by an appropriate route to the battery.
Connect the red wire (item 1) to the positive post and the black wire (item 2) to the negative post on the vehicle's battery or on the vehicle's frame (Scratch away some paint on the frame to ensure a good contact).

NOTE: Secure the wires to the vehicle with the nylon tie wraps. These wires will stay on the vehicle.

IMPORTANT: The control box is equipped with a red emergency kill switch in case you need to stop the engine quickly.

NOTE: The emergency kill switch must be pulled out to start the engine of the accessory.



Connect the wires on the battery

ASSEMBLY

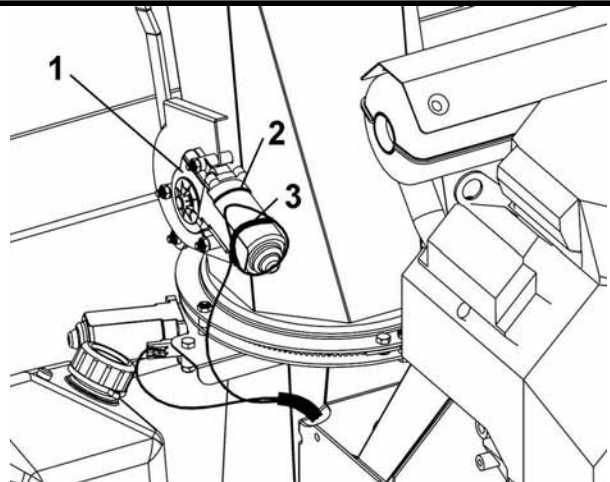
Connect the wire connector on the motor for the chute deflector (item 1)

There will be one black connector that will not be connected. This is to connect the optional snowblower light.

Make sure the connectors are well connected together and tie the wire that is connected to the motor of the deflector (item 1) with a nylon tie wrap on the motor in such a way that the wire does not come into interference with the chute's rotation.

Turn the chute to its maximum towards the right.
Secure the wire of the motor for the deflector with a couple of tie wraps (item 2 & 3) as shown.

Be sure to leave enough wire length to be able to turn the chute freely.



Secure the wires as shown

IMPORTANT: Take the time to familiarize yourself with the location of the switches and with their use.

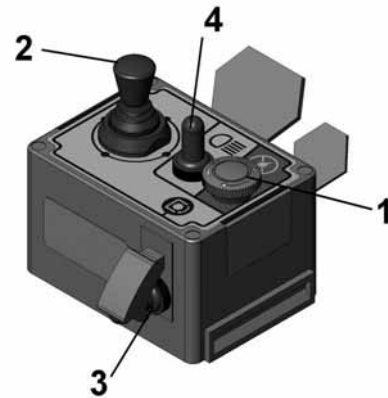
NOTE: If the switches don't match the right controls, reconnect the connectors with the right motors.

DANGER: Always make sure that all the guards are installed before starting the snowblower engine.

DANGER: It is the responsibility of the person who installs the accessory to make sure the engaging system works well and that the snowblower disengages effectively at all times. It is imperative to make the necessary adjustments if applicable.

Identification of the switches:

1. Emergency kill switch. (**Pull out to start**).
2. Joystick to move the chute and the deflector.
3. Switch to activate the electric clutch.
4. Switch for optional light kit.



Identify the controls.

DANGER: For the next manipulations, make sure to clear the area in front of the snowblower and the outflow of the chute of all people or objects.

1. Manipulate the four position switch (item 2) and make sure the chute deflector and rotation works well.
2. Activate the electromagnetic clutch switch (item 3). Make sure the clutch engages and disengages.
3. Engage the electromagnetic clutch. Try to start the snowblower engine. Make sure the engine does not start.
4. Disengage the electromagnetic clutch. Try to start the snowblower engine. Make sure the engine starts.
5. While the engine is running, activate the kill switch (item 1). Make sure the engine stops. Deactivate the kill switch by turning it clockwise.
6. If the snowblower is equipped with a light, activate the light switch (item 4) make sure it activates the light.

ASSEMBLY

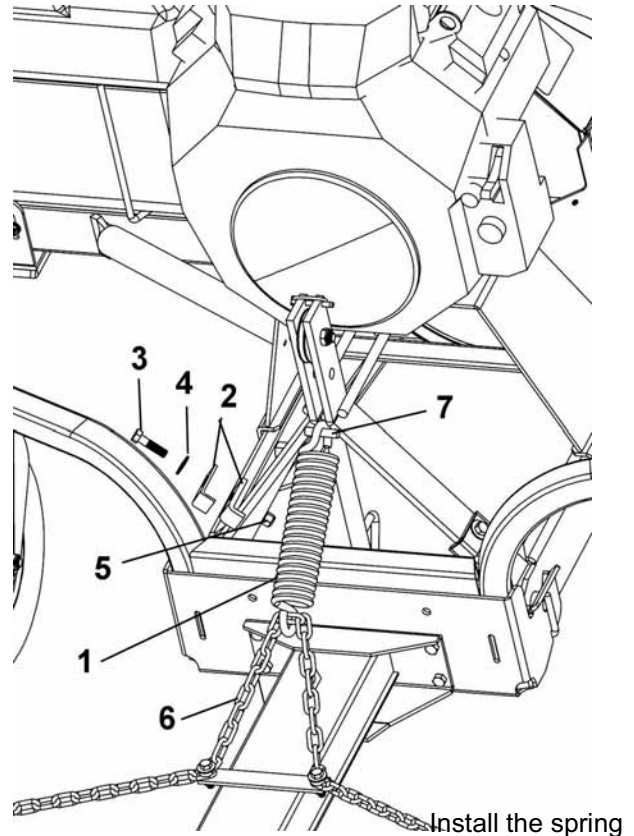
INSTALLING THE SPRING AND ADJUSTING THE LIFTING HEIGHT OF THE SNOWBLOWER.

IMPORTANT:

It is very important that the snowblower engine does not come into contact with the vehicle.

If necessary, use on each side one or two shims (item 2) supplied with the kit to limit the lifting height. Secure in place with a hex bolt $\frac{3}{8}$ " x $1\frac{1}{2}$ " (item 3), a flat washer $\frac{7}{16}$ " (item 4) and a nylon insert lock nut (item 5) as shown.

Lift the snowblower to its maximum height, insert the spring (item 1) in the chain (item 6) and on the welded rod (item 7) as shown.



VERIFYING THE ASSEMBLY

THE LENGTH OF THE SUBFRAME

When the vehicle is advancing in a straight line, make sure the wheels of the subframe do not come into contact with the wheels of the vehicle.

When the snowblower is raised to its maximum, make sure the snowblower engine does not come into contact with the vehicle.

PRESSURE OF THE TIRES ON THE SUBFRAME

Verify and adjust the pressure of the tires of the subframe at 50 psi.

The tire pressure must be even on both sides.

OPERATION



WARNING



Read the vehicle's owner's manual carefully. Be thoroughly familiar with the controls & proper use of the attachment. Know how to stop the unit & disengage the controls quickly.



WARNING



Never touch with your hands or feet the snowblower's fan, auger or the chute because this is the most frequent cause of accidents associated with snowblowers.



WARNING



To prevent injuries and for more traction when using the snowblower:

- Do not drive faster than 3 km/hr (2 m/hr) with snowblower on the ground.
- Do not drive faster than 10 km/hr (6 m/hr) with the snowblower in raised position.
- Always disengage the electromagnetic clutch when the snowblower is in the raised position.
- Do not operate on a slope greater than 10%.
- Vehicle manufacturer approved tire chains are required.
- Maximum drawbar pull provided for at the hitch ball coupling: 3560N (800 lbs)
- Maximum vertical load provided for on the hitch ball coupling: 360N (80 lbs).
- Ear muffs and safety glasses are recommended.

SNOWBLOWER OPERATION

1. Make sure the snowblower is clear of snow;
2. Make sure the auger and impeller operate freely.
3. Make sure the electromagnetic clutch is deactivated and the kill switch is disengaged.
4. Start the snowblower engine
5. Before activating the electromagnetic clutch, the snowblower engine must run a full throttle.
6. Operate the snowblower safely.

IMPORTANT: Use full engine r.p.m. when removing wet, sticky snow. low r.p.m. power will tend to plug the chute.



DANGER



Never let the snowblower motor run without the belt guard in place.



WARNING



To prevent accidents :

- Always use the snowblower in well lighted areas.
- It is essential to install and use a light on the front of the snowblower for night use or in shadowy conditions.



WARNING



TO PREVENT INJURIES:

Start the engine, engage and disengage the clutch to be sure it functions normally. Make sure the emergency switch is working perfectly. Make sure all the controls are working well.

BURNISHING PROCEDURE

The burnishing procedure must be performed before the first time use and after each prolonged period of inactivity. Burnishing the engaging system will ensure a proper performance and will help avoid damages.

1. Make sure the fan and the augers are free of any obstruction. Start the motor.
2. Engage electric clutch.
3. Disengage electric clutch and wait for all moving parts to stop.
4. Repeat procedure (steps 2 & 3) 10 times at 30 seconds intervals to avoid overheating the clutch which will damage it.

ELECTRICAL CONTROLS

See the assembly section for the identification of the electrical controls.

LIFTING AND LOWERING THE SNOWBLOWER

Use the winch control switch to raise and lower the snowblower.

OPERATION

SNOWBLOWING TECHNIQUE

When removing snow, do not use the snowblower as a dozer blade to push snow. Allow snowblower to ingest snow at its own speed. If the speed of your A.T.V. is too fast, the snowblower may become overloaded and plugged.

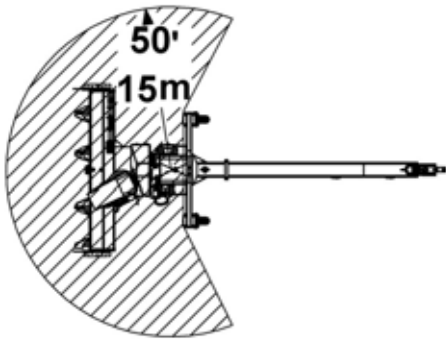


DANGER



DANGER ZONE

It is the snowblower operator's obligation to make sure there are no people or objects that can be thrown in this zone when the snowblower is running.

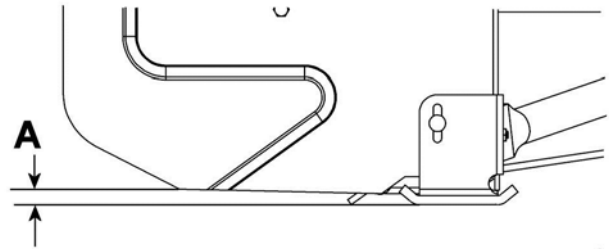


Danger zone

SKID SHOE ADJUSTMENT

Level paved surface: Adjust skid shoes to allow 3/16" to 1/4" or 5 mm to 7 mm clearance (**A**) between cutting edge and surface.

Uneven or gravel surface: Adjust skid shoes to allow 1/2" to 5/8" or 13 mm to 16 mm clearance (**A**) between cutting edge and surface.



Skid shoe adjustment

MAINTENANCE



WARNING



Before doing any snowblower maintenance, assembling or dismounting:
Apply parking brakes of the vehicle.
Stop the snowblower engine and remove the ignition key
Disconnect the wire from the spark plug(s) and keep away from spark plug(s) to prevent accidental starting.



WARNING



If the snowblower is in the raised position, always make sure to provide adequate blocking before working under the snowblower.



WARNING



- Do not attempt to clear plugged chute, auger or fan of snow while the snowblower's engine is running.
- Disengage snowblower.
- Lower snowblower onto ground.
- Set the parking brake.
- Stop engine, remove the ignition key, disconnect the wire from spark plug(s) and keep away from spark plug(s) to prevent accidental starting.
- Make sure all moving parts have stopped.
- Do not use hand to unplug chute, use the chute shovel supplied with the snowblower.

ENGINE MAINTENANCE

Maintain the engine according to the instruction in the engine's owner's manual.

SNOWBLOWER MAINTENANCE

Check mounting bolts at frequent intervals for proper tightness in order to prevent costly repairs. Make sure your snowblower is in safe working condition.

PRESSURE OF THE TIRES ON THE SUBFRAME

Verify and adjust the pressure of the tires of the subframe at 50 psi.
The tire pressure must be even on both sides.

SNOWBLOWER PULLEY REPLACEMENT OR ALIGNMENT

Clean the parts before aligning or replacing the pulleys. Apply some "Locktite" 2760 on the key and the set screws. Tighten firmly.

CUTTING EDGE MAINTENANCE

Verify from time to time the wearing on the cutting edge to make sure you do not wear out the base of the snowblower's chassis. This cutting edge is reversible. Unscrew the bolts and turn the cutting edge,
Reinstall with new carriage bolts 5/16" x 3/4" grade 5 and new lock nuts 5/16".

CLEANING A CLOGGED DISCHARGE CHUTE

Whether it is the snowblower auger, the fan or the chute that clogged, it is essential to follow these instructions to the letter.

1. Disengage the electromagnetic clutch
2. Lower the snowblower to the ground and apply the vehicle's hand brake;
3. Stop the snowblower engine, remove the key and wait for all the rotating parts to stop turning.
4. Disconnect the wire from the spark plug(s) and keep away from spark plug(s) to prevent accidental starting;

WARNING: Always use the chute shovel supplied with the snowblower in order to unclog the snowblower, **never use your feet or hands.**

MAINTENANCE

LUBRICATION

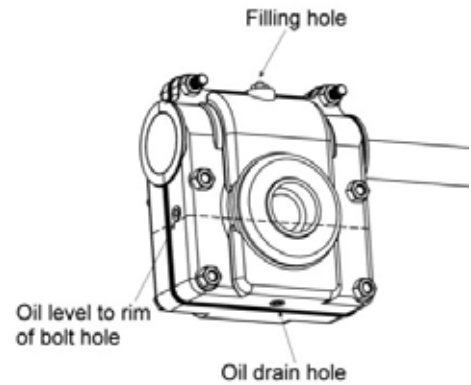
SUBFRAME WHEELS: Grease the wheel axles, the fork pivots after every sixteen hours of use. Apply oil at all pivot points.

CHUTE ROTATION SYSTEM: Oil the base of the chute every sixteen hours of operation.

GEAR BOX :

Check the oil annually. If necessary, add AGMA 4 EP or SAE 90 oil.

The gear box should have a total of 275ml of oil or filled to the rim of the bolt hole when installed on the snowblower.



Oil level in the gear box

AUGER AND FAN SHEAR BOLT REPLACEMENT

IMPORTANT: The shear bolts are to be considered a preventive measure and not an assured protection. Operator vigilance is required. Thoroughly inspect the areas where the snowblower is to be used and remove all foreign objects.

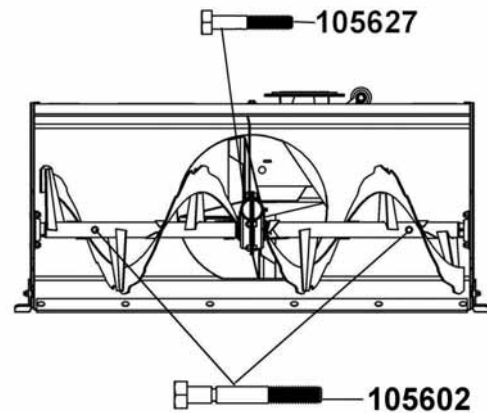
TO AVOID DAMAGE TO THE SNOWBLOWER:

Use only the original shear bolts

(#105627 for the fan et #105602 for the auger).

The use of any other shear bolt will not insure any protection and may void the warranty.

IMPORTANT: When replacing the auger shear bolts it is very important to replace the augers in the same position as shown in figure to avoid damage to the snowblower and to ensure maximum efficiency.



Shear bolt



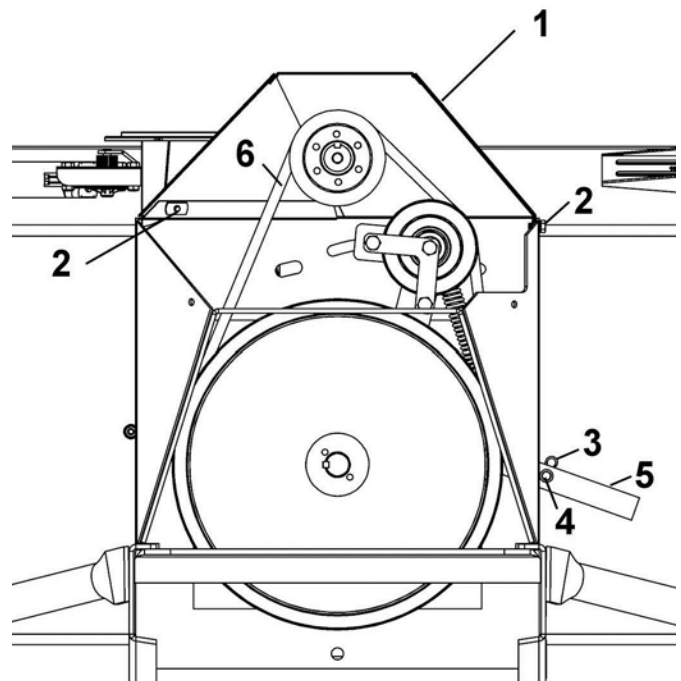
CAUTION

Never use the snowblower without the belt guard.

BELT REPLACEMENT:

For belt part number, refer to parts breakdown section for parts identification.

- a) Remove the belt guard (item 1) by removing the three hex bolts 1/4" x 1/2" (item 2) and the three lock washers.
- b) Remove the hair pin (item 3) and the pin (item 4). Raise the lever (item 5) to remove the tension on the belts.
- c) Remove the old belts (item 6) and install the new ones. Make sure the belts are matched up and sold as a pair.
- d) Reapply tension on the belts and secure the lever in place with the pin and hair pin.
- e) Reinstall the belt guard.



Belt replacement

MAINTENANCE

REPLACING THE AUGERS, FAN AND / OR THE GEAR BOX

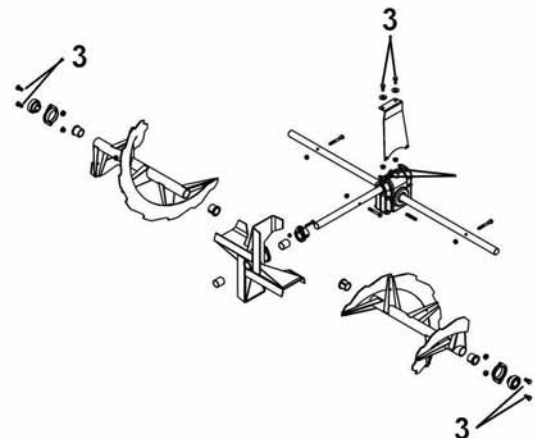
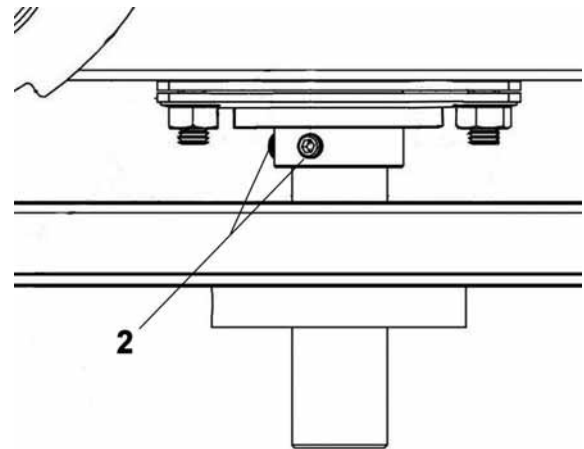
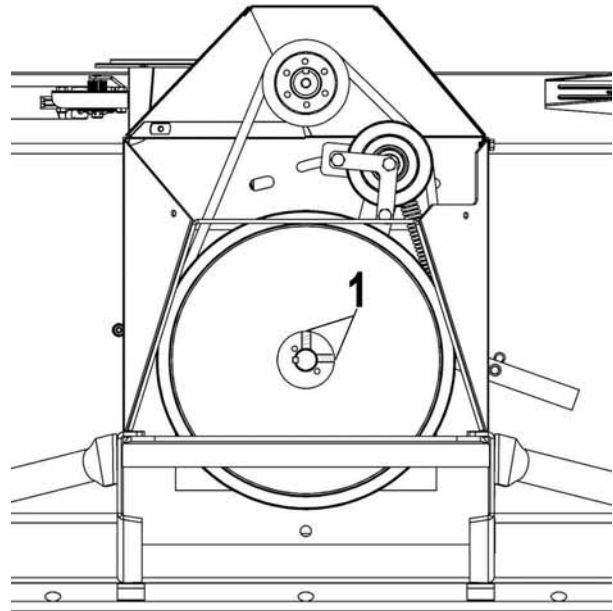
For belt part numbers, refer to snowblower parts breakdown section for parts identification

Snowblower must be detached & disconnected from the vehicle to replace the auger or the gear box.

- a) Remove the gas tank from the support (place on the ground to avoid any spills)
- b) Remove the belt guard.
- c) Remove the belts.
- d) Turn the snowblower face down (optional).
- e) Loosen the two set screws (item 1) on the pulleys (it may be necessary to heat the set screws and center of pulleys to soften the "loctite").
- f) Remove the pulleys.
- g) Loosen the two set screws (item 2) on the bearing behind the snowblower (it may be necessary to heat the set screws to soften the "loctite").
- h) Remove all the bolts (item 3) and the nuts that support the gear box and its support.
- i) Remove the assembly (gear box, its support, the fan and augers) from the snowblower and save the nylon bushings and bearings.
- j) Replace the appropriate parts. Insert the shaft and the key into the new gear box (if required).
- k) Install the new auger or augers on their respective side in the position shown with the same nylon bushings on the shaft of the new gear box as shown.
- l) Re-install parts by repeating steps backwards.

IMPORTANT: Clean the parts and apply some Loctite 2760 on the key of the pulleys and on the set screws of the bearings and those of the pulleys. Firmly tighten the set screws.

Follow the instructions in the belt replacement and adjustments sections.



DISMOUNTING & STORAGE

DISMOUNTING

- a) Select a level surface, set parking brake, stop the engine, and remove the ignition key to prevent accidental starting.
- b) Lower the accessory to the ground.
- c) Disconnect the wires that unite the accessory to the vehicle.
- d) Unhook the turnbuckles from the front of the vehicle, (Tip: slacken one of the turnbuckles in order to keep the adjustment), the hook from the winch.
- e) Remove the assembled hitch support from the vehicle's tow hitch ball.
- f) Remove the vehicle.

STORAGE

- a) Clean snowblower and subframe thoroughly and repaint all parts from which paint has worn.
- b) List the replacement parts that will be needed to be replaced before the next season.
- c) Follow the instructions in the Lubrication section.
- d) Concerning the snowblower engine, follow the instructions in the engine owner's manual.
- e) Store the snowblower and the subframe in a dry place.

TROUBLESHOOTING

* Please refer to parts breakdown section for parts identification.

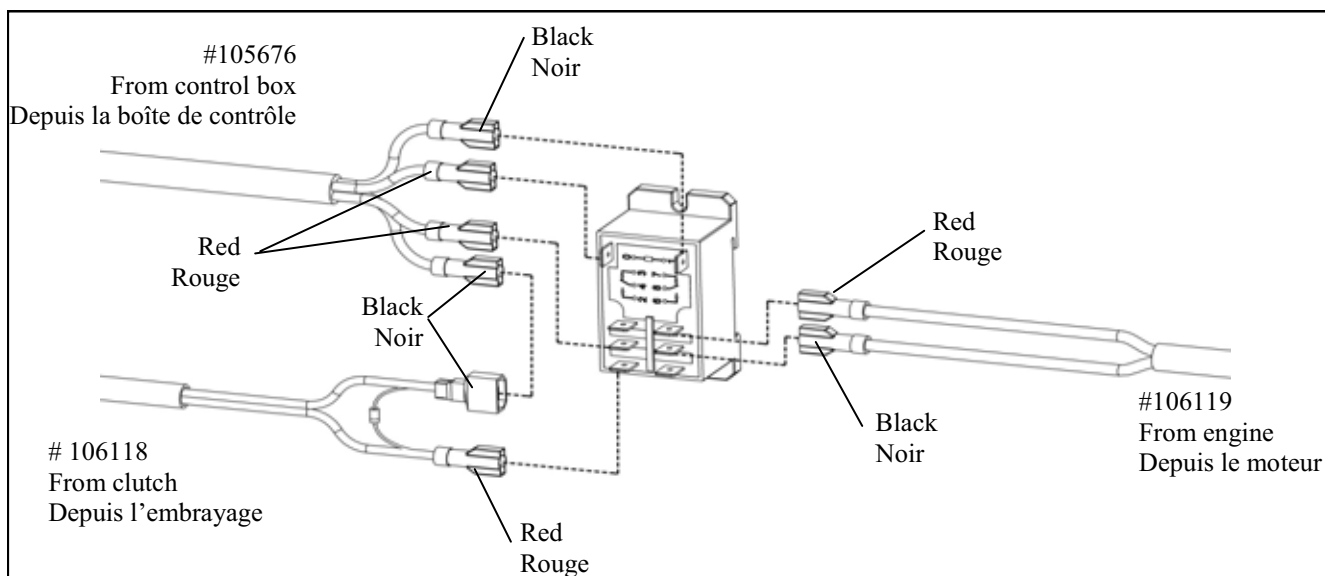
| PROBLEM | POSSIBLE CAUSES | CORRECTIVE ACTION |
|--|--|---|
| Snowblower vibrates or is abnormally noisy or bouncing. | Damaged pulley | Replace pulley |
| | Damaged bearing | Replace the bearing |
| | Fan or the augers are damaged | Remove and straighten or replace the parts |
| | Fan or auger bushings are worn | Replace with new bushings |
| | Augers are not positioned properly | Position the augers at 180 degrees from one another. See shear bolt replacement in manual. |
| Fan stops turning | Shear bolt is probably broken | Replace shear bolt (see maintenance section). |
| Auger stops turning | Shear bolt is probably broken | Replace shear bolt (see maintenance section). |
| Snowblower stops turning. | Belt is probably damaged or broken | Check and replace damaged belt |
| Belts are snapping, shredding, burning or worn in a specific place | Snowblower was engaged when plugged | Make sure the auger and the fan are not frozen or plugged before engaging |
| | Lack of tension on the belts | Adjust the tensioner spring or replace spring if stretched. |
| Belts shows premature wear | Not the original belts | Always use the original belts |
| | Worn belts, belts may be worn causing a slack. | Inspect the belts. Replace if required. |
| | Not the original shear bolts | Always replace the shear bolts with an original bolt. |
| | Imperfections in the pulleys | Verify if the pulleys are damaged. Verify that the pulleys are smooth without rust spots. Sand down the pulleys or replace them. |
| | Interference | Make sure that the belt does not come into contact with any other part, bolts, guides etc... when engaged. |
| Chute rotation is difficult | Dirt or ice may be underneath chute. | Dismount chute. Clean the base of chute and the rotation ring. Lubricate & re-install. |
| Chute plugs easily. | Snowblower engine running too slowly. | Run engine at full R.P.M. during snow blowing operation. |
| | Advancing too quickly with vehicle. | Reduce vehicle's speed.. Allow snowblower to ingest snow at its own speed. |
| Snowblower digs into ground. | Ground is not frozen or too soft. | Adjust skid shoes lower so they may better support the snowblower. If problem persists, change skid shoes for heavy duty skid shoes (option #700243) which cover more surface and prevents snowblower from digging. |
| Snowblower does not rise evenly. | Pressure of the subframe tires is uneven from one side to another. | Tire pressure must be even on both sides. 50 p.s.i. |

TROUBLESHOOTING

* Please refer to parts breakdown section for parts identification.

| PROBLEM | POSSIBLE CAUSES | CORRECTIVE ACTION |
|--|---|---|
| The engine does not start | The emergency button is pushed down. | The emergency button must be pulled up to start the engine of the snowblower. |
| | Other reasons. | See owner's manual |
| Electric chute motor does not work. | Overheating of the motor. | These motors are equipped with an internal protector. Wait 10 minutes before using. |
| | Frozen motor or chute. | Slap the chute or wiggle from side to side. |
| | Defective control box or broken wire harness. | Replace control box or wire harness. |
| | Loose connectors or oxidation on connectors or motor. | Retighten or clean connectors. Or replace connector part # 106201. |
| Electric clutch slips | Insufficient electrical current. | Recharge vehicle's battery. |
| | Electrical current is cut off. | Replace damaged wiring. |
| | Clutch basket is contaminated. | Clean plates with brake cleaner. |
| Electric clutch is noisy or vibrates abnormally. | Mounting bolts are loose. | Tighten or replace bolts. |
| | Certain clutch components may be damaged. | Repair or replace damaged components. |

In the case of where the wires become disconnected from the relay, refer to the drawing below to reconnect them in their proper place.



TORQUE SPECIFICATION TABLE

GENERAL TORQUE SPECIFICATION TABLE USE THE FOLLOWING TORQUES WHEN SPECIAL TORQUES ARE NOT GIVEN

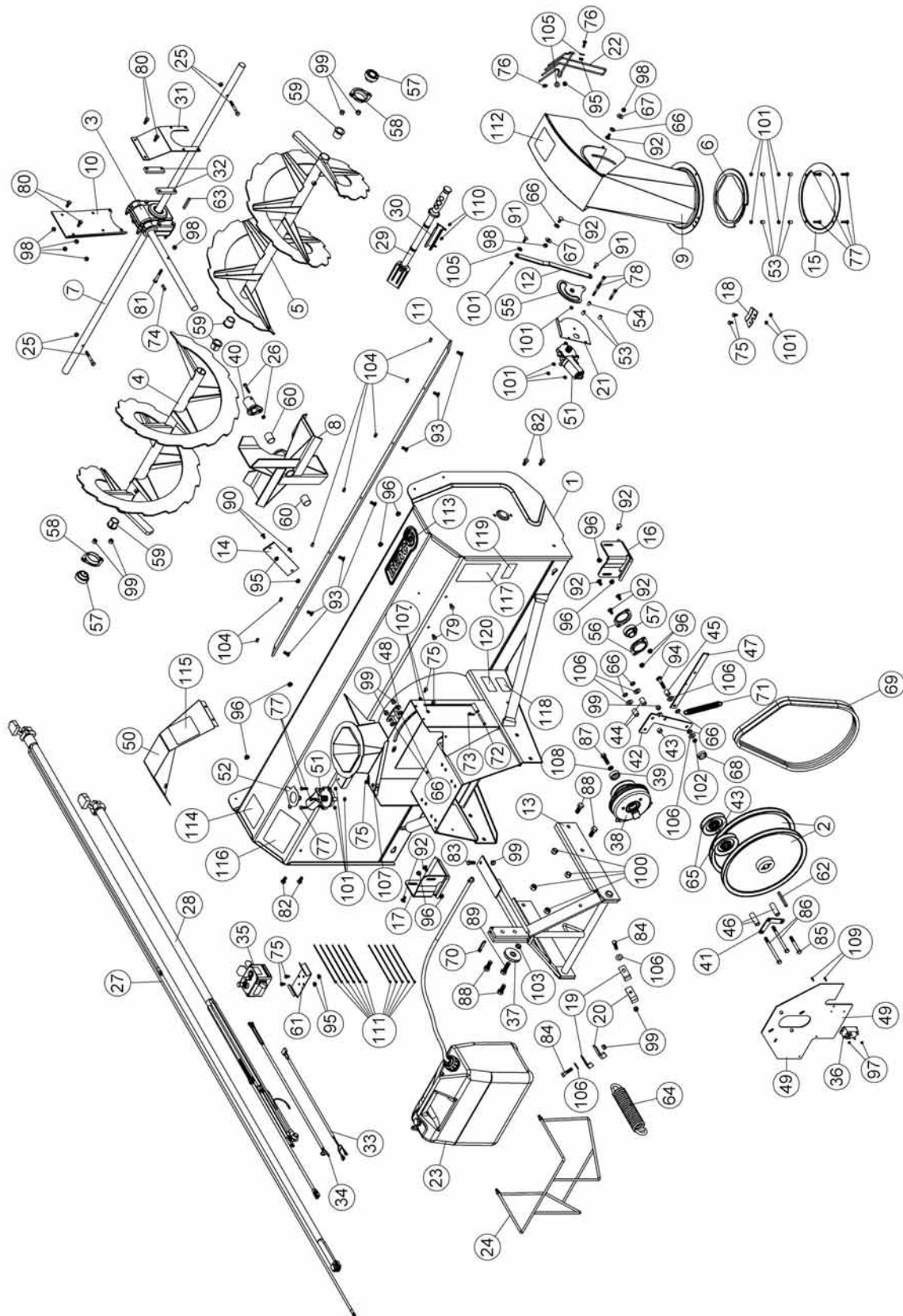
NOTE: These values apply to fasteners as received from supplier, dry or when lubricated with normal oil. They do not apply if special graphited or moly disulphide greases or other extreme pressure lubricants are used. This applies to both UNF and UNC threads.

* Thick nuts must be used with grade 8 bolts

| SEE Grade No. | | 2 | | | | 5 | | | | 8 * | | | |
|--|------------|-------------|------|----------------|-------|-------------|------|----------------|-------|-------------|------|----------------|--------|
| BOLT HEAD IDENTIFICATION MARKS AS PER GRADE NOTE MANUFACTURING MARKS WILL VARY | | TORQUE | | | | TORQUE | | | | TORQUE | | | |
| BOLT SIZE | | FOOT POUNDS | | NEW TON-METERS | | FOOT POUNDS | | NEW TON-METERS | | FOOT POUNDS | | NEW TON-METERS | |
| Inches | Millimetre | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. |
| 1/4" | 6.35 | 5 | 6 | 6.8 | 8.13 | 9 | 11 | 12.2 | 14.9 | 12 | 15 | 16.3 | 30.3 |
| 5/16" | 7.94 | 10 | 12 | 13.6 | 16.3 | 17 | 20.5 | 23.1 | 27.8 | 24 | 29 | 32.5 | 39.3 |
| 3/8" | 9.53 | 20 | 23 | 27.1 | 31.2 | 35 | 42 | 47.5 | 57 | 45 | 54 | 61 | 73.2 |
| 7/16" | 11.11 | 30 | 35 | 40.7 | 47.4 | 54 | 64 | 73.2 | 86.8 | 70 | 84 | 94.9 | 113.9 |
| 1/2" | 12.7 | 45 | 52 | 61 | 70.5 | 80 | 96 | 108.5 | 130.2 | 110 | 132 | 149.2 | 179 |
| 9/16" | 14.29 | 65 | 75 | 88.1 | 101.6 | 110 | 132 | 149.2 | 179 | 160 | 192 | 217 | 260.4 |
| 5/8" | 15.88 | 95 | 105 | 128.7 | 142.3 | 150 | 180 | 203.4 | 244.1 | 220 | 264 | 298.3 | 358 |
| 3/4" | 19.05 | 150 | 185 | 203.3 | 250.7 | 270 | 324 | 366.1 | 439.3 | 380 | 456 | 515.3 | 618.3 |
| 7/8" | 22.23 | 160 | 200 | 216.8 | 271 | 400 | 480 | 542.4 | 650.9 | 600 | 720 | 813.6 | 976.3 |
| 1" | 25.4 | 250 | 300 | 338.8 | 406.5 | 580 | 696 | 786.5 | 943.8 | 900 | 1080 | 1220.4 | 1464.5 |

| METRIC BOLT TORQUE SPECIFICATIONS | | | | | | | |
|-----------------------------------|-----------|---------------|-------------|---------------|-------------|-------------|---------------|
| | | COARSE THREAD | | | FINE THREAD | | |
| Size Screw | Grade No. | Pitch (mm) | Foot Pounds | Newton-Meters | Pitch (mm) | Foot Pounds | Newton-Meters |
| M6 | 4T | 1.00 | 3.6 - 5.8 | 4.9 - 7.9 | - | - | - |
| | 7T | | 5.8 - 9.4 | 7.9 - 12.7 | | - | - |
| | 8T | | 7.2 - 10 | 9.8 - 13.6 | | - | - |
| M8 | 4T | 1.25 | 7.2 - 14 | 9.8 - 19 | 1.00 | 12 - 17 | 16.3 - 23 |
| | 7T | | 17 - 22 | 23 - 29.8 | | 19 - 27 | 25.7 - 36.6 |
| | 8T | | 20 - 26 | 27.1 - 35.2 | | 22 - 31 | 29.8 - 42 |
| M10 | 4T | 1.50 | 20 - 25 | 27.1 - 33.9 | 1.25 | 20 - 29 | 27.1 - 39.3 |
| | 7T | | 34 - 40 | 46.1 - 54.2 | | 35 - 47 | 47.4 - 63.7 |
| | 8T | | 38 - 46 | 51.5 - 62.3 | | 40 - 52 | 54.2 - 70.5 |
| M12 | 4T | 1.75 | 28 - 34 | 37.9 - 46.1 | 1.25 | 31 - 41 | 42 - 55.6 |
| | 7T | | 51 - 59 | 69.1 - 79.9 | | 56 - 68 | 75.9 - 92.1 |
| | 8T | | 57 - 66 | 77.2 - 89.4 | | 62 - 75 | 84 - 101.6 |
| M14 | 4T | 2.00 | 49 - 56 | 66.4 - 75.9 | 1.50 | 52 - 64 | 70.5 - 86.7 |
| | 7T | | 81 - 93 | 109.8 - 126 | | 90 - 106 | 122 - 143.6 |
| | 8T | | 96 - 109 | 130.1 - 147.7 | | 107 - 124 | 145 - 168 |
| M16 | 4T | 2.00 | 67 - 77 | 90.8 - 104.3 | 1.50 | 69 - 83 | 93.5 - 112.5 |
| | 7T | | 116 - 130 | 157.2 - 176.2 | | 120 - 138 | 162.6 - 187 |
| | 8T | | 129 - 145 | 174.8 - 196.5 | | 140 - 158 | 189.7 - 214.1 |
| M18 | 4T | 2.00 | 88 - 100 | 119.2 - 136 | 1.50 | 100 - 117 | 136 - 158.5 |
| | 7T | | 150 - 168 | 203.3 - 227.6 | | 177 - 199 | 239.8 - 269.6 |
| | 8T | | 175 - 194 | 237.1 - 262.9 | | 202 - 231 | 273.7 - 313 |
| M20 | 4T | 2.50 | 108 - 130 | 146.3 - 176.2 | 1.50 | 132 - 150 | 178.9 - 203.3 |
| | 7T | | 186 - 205 | 252 - 277.8 | | 206 - 242 | 279.1 - 327.9 |
| | 8T | | 213 - 249 | 288.6 - 337.4 | | 246 - 289 | 333.3 - 391.6 |

PARTS BREAKDOWN VANTAGE SNOWBLOWER 66"



PARTS LIST

VANTAGE SNOWBLOWER 66"

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|--------------------------------------|--|--------------|-------------------|
| 1 | Frame 66" | Châssis 66" | 1 | 106255 |
| 2 | V pulley with set screw | Poulie en V avec vis pression | 2 | 105423 |
| 3 | Gear box left rotation | Boîte d'engrenage rotation gauche | 1 | 105424 |
| 4 | Auger 66" left | Vis 66" gauche | 1 | 105427 |
| 5 | Auger 66" right | Vis 66" droite | 1 | 105428 |
| 6 | Rotation ring | Anneau de rotation | 1 | 105429 |
| 7 | Shaft 66" | Arbre 66" | 1 | 105436 |
| 8 | Fan | Éventail | 1 | 105475 |
| 9 | Chute | Goulotte | 1 | 106386 |
| 10 | Gear box support | Support de boîte d'engrenage | 1 | 105477 |
| 11 | Cutting edge 66" | Racloir 66" | 1 | 105478 |
| 12 | Arm | Bras | 1 | 106385 |
| 13 | Hitch | Attache | 1 | 105483 |
| 14 | Reinforcement | Renfort | 1 | 105484 |
| 15 | Rotation ring | Anneau de rotation | 1 | 105485 |
| 16 | Right skid shoe | Patin droit | 1 | 105486 |
| 17 | Left skid shoe | Patin gauche | 1 | 105487 |
| 18 | Retaining plate | Plaque de retenue | 1 | 105488 |
| 19 | Shim | Cale | 2 | 105489 |
| 20 | Shim | Cale | 2 | 105490 |
| 21 | Bracket | Support | 1 | 105492 |
| 22 | Hand guard | Fourche protectrice | 1 | 105494 |
| 23 | Gasoline tank assembly | Réservoir d'essence assemblé | 1 | 105524 |
| 24 | Tank support | Support de réservoir | 1 | 105528 |
| 25 | Shear bolt / N.I.L.N. (auger) pkg-10 | Boulon de séc. / É.G.N. (vis) pqt-10 | 2 | 105602 |
| 26 | Shear bolt / N.I.L.N. (fan) pkg-10 | Boulon de séc./ É.G.N. (éven.) pqt-10 | 1 | 105627 |
| 27 | Wire Control Box Extension | Extension du fil de la boîte de contrôle | 1 | 105675 |
| 28 | Wire assembly | Fils assemblés | 1 | 105676 |
| 29 | Chute shovel | Pelle à goulotte | 1 | 105700 |
| 30 | Chute shovel support | Support de pelle à goulotte | 1 | 105701 |

O/L = Obtain Locally

PARTS LIST

VANTAGE SNOWBLOWER 66"

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|-------------------------|--|--------------|-------------------|
| 31 | Reinforcement plate | Plaque de renforcement | 1 | 105730 |
| 32 | Shim | Cale | 2 | 105731 |
| 33 | Wire Assembly Extension | Extension du fil assemblé | 1 | 106118 |
| 34 | Wire Assembly extension | Extension du fil assemblé | 1 | 106119 |
| 35 | Control box assembly | Boîte de contrôle assemblé | 1 | 106122 |
| 36 | Relay | Relais | 1 | 106123 |
| 37 | Pulley | Poulie | 1 | 106138 |
| 38 | Electrical Clutch | Embrayage électrique | 1 | 106143 |
| 39 | Flange washer | Rondelle à bride | 1 | 103976 |
| 40 | Shear plate | Plaque de cisaillement | 1 | 106257 |
| 41 | Retaining Plate | Plaque de retenue | 1 | 106258 |
| 42 | Bender | Tendeur | 1 | 106259 |
| 43 | Sleeve | Douille | 2 | 106260 |
| 44 | Sleeve | Douille | 2 | 106261 |
| 45 | Sleeve | Douille | 1 | 106262 |
| 46 | Sleeve | Douille | 2 | 106263 |
| 47 | Lever | Levier | 1 | 106264 |
| 48 | Spacer | Espacer | 1 | 106265 |
| 49 | Guard | Garde | 1 | 106268 |
| 50 | Belt Guard | Garde Courroie | 1 | 106270 |
| 51 | Electric motor | Moteur électrique | 2 | 106147 |
| 52 | Protective plate | Plaque protectrice | 1 | 106282 |
| 53 | Spacer | Espaceur | 6 | 103361 |
| 54 | Oil lite bushing | Coussinet imprégné d'huile | 1 | 103362 |
| 55 | Lever | Levier | 1 | 103365 |
| 56 | Flangette | Flangette | 2 | 102213 |
| 57 | Bearing with set screw | Roulement à billes avec vis à pression | 3 | 102755 |
| 58 | Flangette | Flangette | 2 | 102680 |
| 59 | Rotation bushing | Coussinet de rotation | 4 | 103946 |
| 60 | Oil lite bushing | Coussinet imprégné d'huile | 2 | 102784 |

O/L = Obtain Locally

PARTS LIST

VANTAGE SNOWBLOWER 66"

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|-------------------------------------|--|--------------|-------------------|
| 61 | Box support | Support de la boîte | 1 | 104756 |
| 62 | Key 1/4" x 1/4" x 2.88" | Clé 1/4" x 1/4" x 2.88" | 1 | 104436 |
| 63 | Key 1/4" x 1/4" x 2" | Clé 1/4" x 1/4" x 2" | 1 | 102922 |
| 64 | Spring | Ressort | 1 | 105356 |
| 65 | V pulley | Poulie en V | 2 | 102766 |
| 66 | Nylon flat washer 7/16" | Rondelle plate de nylon 7/16" | 8 | 102011 |
| 67 | Nylon flat washer 11/32" | Rondelle plate de nylon 11/32" | 2 | 102009 |
| 68 | Spacer | Douille d'espacement | 1 | 104767 |
| 69 | Pair of V-belts, BX-54 | Paire de courroie en V, BX-54 | 1 | 106343 |
| 70 | Lynch pin | Goupille à anneau | 1 | 103919 |
| 71 | Spring | Ressort | 1 | 102592 |
| 72 | Pin | Goupille | 1 | 105365 |
| 73 | Hair pin 2mm | Goupille à ressort 2mm | 1 | 102430 |
| 74 | Key 1/4" x 1/4" x 1.000" | Clé 1/4" x 1/4" x 1.000" | 1 | 102017 |
| 75 | Hex. bolt 1/4" n.c. x 1/2" GR5 | Boulon hex. 1/4" n.c. x 1/2" GR5 | 7 | O/L |
| 76 | Hex. bolt 1/4" n.c. x 3/4" GR5 | Boulon hex. 1/4" n.c. x 3/4" GR5 | 2 | O/L |
| 77 | Hex. bolt 1/4" n.c. x 1" GR5 | Boulon hex. 1/4" n.c. x 1" GR5 | 7 | O/L |
| 78 | Hex. bolt 1/4" n.c. x 1 3/4" GR5 | Boulon hex. 1/4" n.c. x 1 3/4" GR5 | 3 | O/L |
| 79 | Hex. bolt 5/16" n.c. x 1/2" GR5 | Boulon hex. 5/16" n.c. x 1/2" GR5 | 2 | O/L |
| 80 | Hex. bolt 5/16" n.c. x 3/4" GR5 | Boulon hex. 5/16" n.c. x 3/4" GR5 | 4 | O/L |
| 81 | Hex. bolt 5/16" n.c. x 2 1/4" GR8 | Boulon hex. 5/16" n.c. x 2 1/4" GR8 | 1 | O/L |
| 82 | Hex. bolt 3/8" n.c. x 3/4" GR5 | Boulon hex. 3/8" n.c. x 3/4" GR5 | 4 | O/L |
| 83 | Hex. bolt 3/8" n.c. x 1" GR5 | Boulon hex. 3/8" n.c. x 1" GR5 | 1 | O/L |
| 84 | Hex. bolt 3/8" n.c. x 1 1/2" GR5 | Boulon hex. 3/8" n.c. x 1 1/2" GR5 | 2 | O/L |
| 85 | Hex. bolt 3/8" n.c. x 3" GR5 | Boulon hex. 3/8" n.c. x 3" GR5 | 1 | O/L |
| 86 | Hex. bolt 3/8" n.c. x 5" GR5 | Boulon hex. 3/8" n.c. x 5" GR5 | 2 | O/L |
| 87 | Hex. bolt 7/16" n.f. x 1 1/2" GR5 | Boulon hex. 7/16" n.f. x 1 1/2" GR5 | 1 | O/L |
| 88 | Hex. bolt 1/2" n.c. x 1 1/4" GR5 | Boulon hex. 1/2" n.c. x 1 1/4" GR5 | 4 | O/L |
| 89 | Hex. bolt 1/2" n.c. x 1 3/4" GR5 | Boulon hex. 1/2" n.c. x 1 3/4" GR5 | 1 | O/L |
| 90 | Carriage bolt 1/4" n.c. x 5/8 " GR5 | Boulon à carrosserie 1/4" n.c. x 5/8 " GR5 | 2 | O/L |

O/L = Obtain Locally

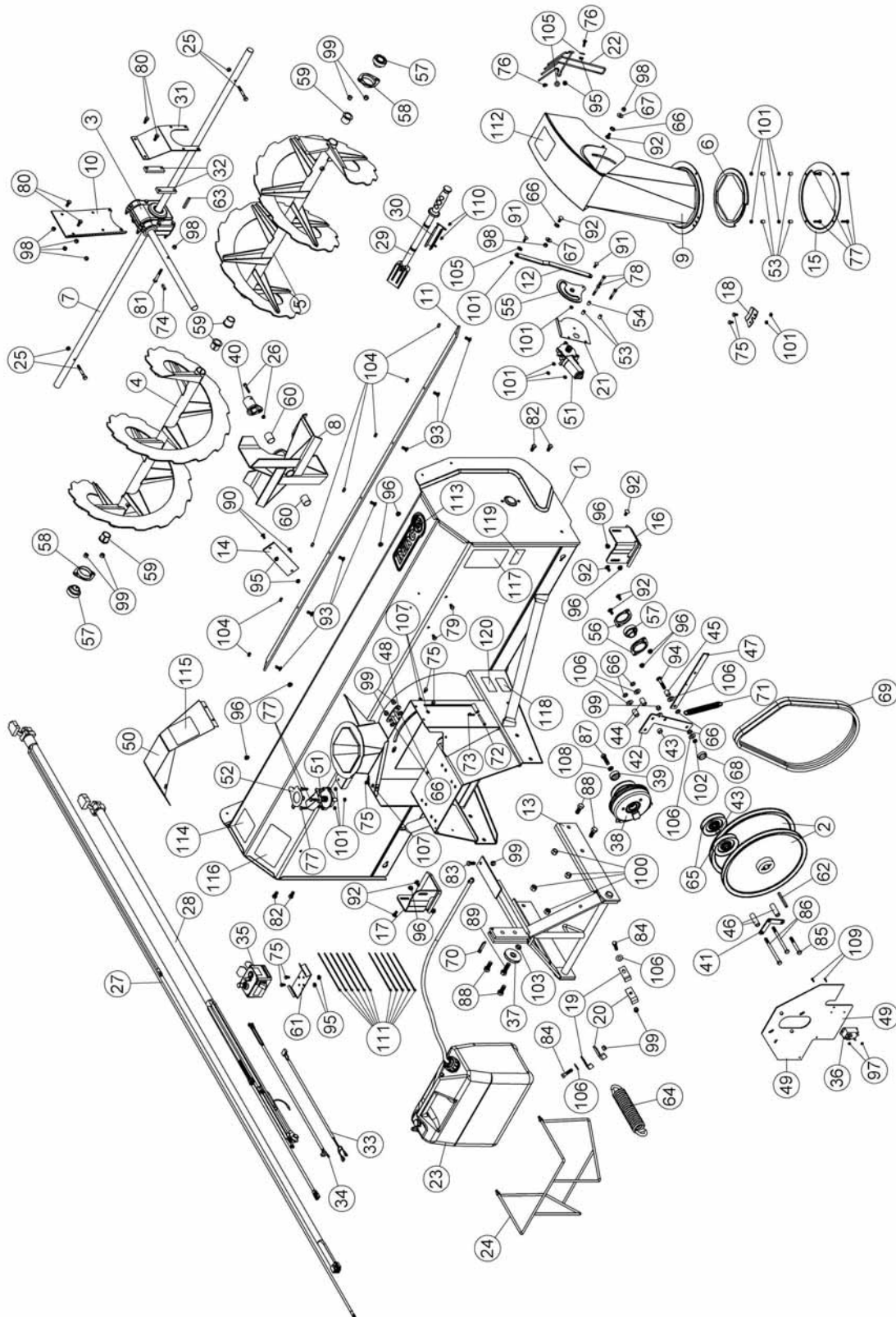
PARTS LIST

VANTAGE SNOWBLOWER 66"

| ef. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|-------------|--|--|--------------|-------------------|
| 91 | Carriage bolt 1/4" n.c. x 3/4 " GR5 | Boulon à carrosserie 1/4" n.c. x 3/4" GR5 | 2 | O/L |
| 92 | Carriage bolt 5/16" n.c. x 3/4 " GR5 | Boulon à carrosserie 5/16" n.c. x 3/4 " GR5 | 8 | O/L |
| 93 | Carriage bolt 5/16" n.c. x 3/4 " GR5 | Boulon à carrosserie 5/16" n.c. x 3/4 " GR5 | 7 | O/L |
| 94 | Carriage bolt 3/8" n.c. x 2 " GR5 | Boulon à carrosserie 3/8" n.c. x 2 " GR5 | 1 | O/L |
| 95 | Flange nut 1/4" n.c. | Écrou à bride 1/4" n.c. | 6 | O/L |
| 96 | Flange nut 5/16" n.c. | Écrou à bride 5/16" n.c. | 10 | O/L |
| 97 | Nylon Insert lock Nut #6x32 n.c. | Écrou à garniture de nylon #6x32 n.c. | 2 | O/L |
| 98 | Nylon Insert lock Nut 5/16" n.c. | Écrou à garniture de nylon 5/16" n.c. | 7 | O/L |
| 99 | Nylon Insert lock Nut 3/8" n.c. | Écrou à garniture de nylon 3/8" n.c. | 10 | O/L |
| 100 | Nylon Insert lock Nut 1/2" n.c. | Écrou à garniture de nylon 1/2" n.c. | 4 | O/L |
| 101 | Nylon insert lock nut 1/4" n.c. (thin) | Écrou à garniture de nylon 1/4" n.c. (mince) | 14 | O/L |
| 102 | Nylon insert lock nut 3/8" n.c. (thin) | Écrou à garniture de nylon 3/8" n.c. (mince) | 1 | O/L |
| 103 | Nylon insert lock nut 1/2" n.c. (thin) | Écrou à garniture de nylon 1/2" n.c. (mince) | 1 | O/L |
| 104 | Stover lock nut 5/16" n.c. | Écrou de blocage 5/16" n.c. | 7 | O/L |
| 105 | Flat washer 5/16" hole | Rondelle plate 5/16" trou | 3 | O/L |
| 106 | Flat washer 7/16" hole | Rondelle plate 7/16" trou | 6 | O/L |
| 107 | Lock washer 1/4" | Rondelle de blocage 1/4" | 3 | O/L |
| 108 | Lock washer 7/16" | Rondelle de blocage 7/16" | 1 | O/L |
| 109 | Machine screw Pan head #6 x 32 x 9/16" | Vis mécanique tête pan #6 x 32 x 9/16" | 2 | O/L |
| 110 | Socket Head Cap Screw M5 x 0.80 x 10 | Vis six PC tête ronde M5 x 0.80 x 10 | 2 | O/L |
| 111 | Tie wrap 8" | Attache de nylon 8" | 11 | O/L |
| 112 | Danger decal chute | Décalque danger goulotte | 1 | 105127 |
| 113 | Berco decal | Décalque Berco | 1 | 103785 |
| 114 | Decal danger auger | Decalque danger vis | 1 | 105126 |
| 115 | Decal danger belts | Decalque danger courroies | 1 | 105128 |
| 116 | Decal warning safety | Decalque avertissement sécurité | 1 | 105131 |
| 117 | Decal read instructions | Decalque lire instructions | 1 | 105130 |
| 118 | Made in Canada decal | Décalque Fabriqué au Canada | 1 | REF |
| 119 | Specifications decal | Décalque spécifications | 1 | REF |
| 120 | Serial number | Numéro de série | 1 | REF |

O/L = Obtain Locally

PARTS BREAKDOWN VANTAGE SNOWBLOWER 72"



PARTS LIST

VANTAGE SNOWBLOWER 72"

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|--------------------------------------|--|--------------|-------------------|
| 1 | Frame 72" | Châssis 72" | 1 | 106256 |
| 2 | V pulley with set screw | Poulie en V avec vis pression | 2 | 105423 |
| 3 | Gear box left rotation | Boîte d'engrenage rotation gauche | 1 | 105424 |
| 4 | Auger 72" left | Vis 72" gauche | 1 | 105431 |
| 5 | Auger 72" right | Vis 72" droite | 1 | 105432 |
| 6 | Rotation ring | Anneau de rotation | 1 | 105429 |
| 7 | Shaft 72" | Arbre 72" | 1 | 105442 |
| 8 | Fan | Éventail | 1 | 105475 |
| 9 | Chute | Goulotte | 1 | 106386 |
| 10 | Gear box support | Support de boîte d'engrenage | 1 | 105477 |
| 11 | Cutting edge 72" | Racloir 72" | 1 | 105479 |
| 12 | Arm | Bras | 1 | 106385 |
| 13 | Hitch | Attache | 1 | 105483 |
| 14 | Reinforcement | Renfort | 1 | 105484 |
| 15 | Rotation ring | Anneau de rotation | 1 | 105485 |
| 16 | Right skid shoe | Patin droit | 1 | 105486 |
| 17 | Left skid shoe | Patin gauche | 1 | 105487 |
| 18 | Retaining plate | Plaque de retenue | 1 | 105488 |
| 19 | Shim | Cale | 2 | 105489 |
| 20 | Shim | Cale | 2 | 105490 |
| 21 | Bracket | Support | 1 | 105492 |
| 22 | Hand guard | Fourche protectrice | 1 | 105494 |
| 23 | Gasoline tank assembly | Réservoir d'essence assemblé | 1 | 105524 |
| 24 | Tank support | Support de réservoir | 1 | 105528 |
| 25 | Shear bolt / N.I.L.N. (auger) pkg-10 | Boulon de séc. / É.G.N. (vis) pqt-10 | 2 | 105602 |
| 26 | Shear bolt / N.I.L.N. (fan) pkg-10 | Boulon de séc./ É.G.N. (éven.) pqt-10 | 1 | 105627 |
| 27 | Wire Control Box Extension | Extension du fil de la boîte de contrôle | 1 | 105675 |
| 28 | Wire assembly | Fils assemblés | 1 | 105676 |
| 29 | Chute shovel | Pelle à goulotte | 1 | 105700 |
| 30 | Chute shovel support | Support de pelle à goulotte | 1 | 105701 |

PARTS LIST

VANTAGE SNOWBLOWER 72"

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|-------------------------|--|--------------|-------------------|
| 31 | Reinforcement plate | Plaque de renforcement | 1 | 105730 |
| 32 | Shim | Cale | 2 | 105731 |
| 33 | Wire Assembly Extension | Extension du fil assemblé | 1 | 106118 |
| 34 | Wire Assembly extension | Extension du fil assemblé | 1 | 106119 |
| 35 | Control box assembly | Boîte de contrôle assemblé | 1 | 106122 |
| 36 | Relay | Relais | 1 | 106123 |
| 37 | Pulley | Poulie | 1 | 106138 |
| 38 | Electrical Clutch | Embrayage électrique | 1 | 106143 |
| 39 | Flange washer | Rondelle à bride | 1 | 103976 |
| 40 | Shear plate | Plaque de cisaillement | 1 | 106257 |
| 41 | Retaining Plate | Plaque de retenue | 1 | 106258 |
| 42 | Bender | Tendeur | 1 | 106259 |
| 43 | Sleeve | Douille | 2 | 106260 |
| 44 | Sleeve | Douille | 2 | 106261 |
| 45 | Sleeve | Douille | 1 | 106262 |
| 46 | Sleeve | Douille | 2 | 106263 |
| 47 | Lever | Levier | 1 | 106264 |
| 48 | Spacer | Espacer | 1 | 106265 |
| 49 | Guard | Garde | 1 | 106268 |
| 50 | Belt Guard | Garde Courroie | 1 | 106270 |
| 51 | Electric motor | Moteur électrique | 2 | 106147 |
| 52 | Protective plate | Plaque protectrice | 1 | 106282 |
| 53 | Spacer | Espaceur | 6 | 103361 |
| 54 | Oil lite bushing | Coussinet imprégné d'huile | 1 | 103362 |
| 55 | Lever | Levier | 1 | 103365 |
| 56 | Flangette | Flangette | 2 | 102213 |
| 57 | Bearing with set screw | Roulement à billes avec vis à pression | 3 | 102755 |
| 58 | Flangette | Flangette | 2 | 102680 |
| 59 | Rotation bushing | Coussinet de rotation | 4 | 103946 |
| 60 | Oil lite bushing | Coussinet imprégné d'huile | 2 | 102784 |

PARTS LIST

VANTAGE SNOWBLOWER 72"

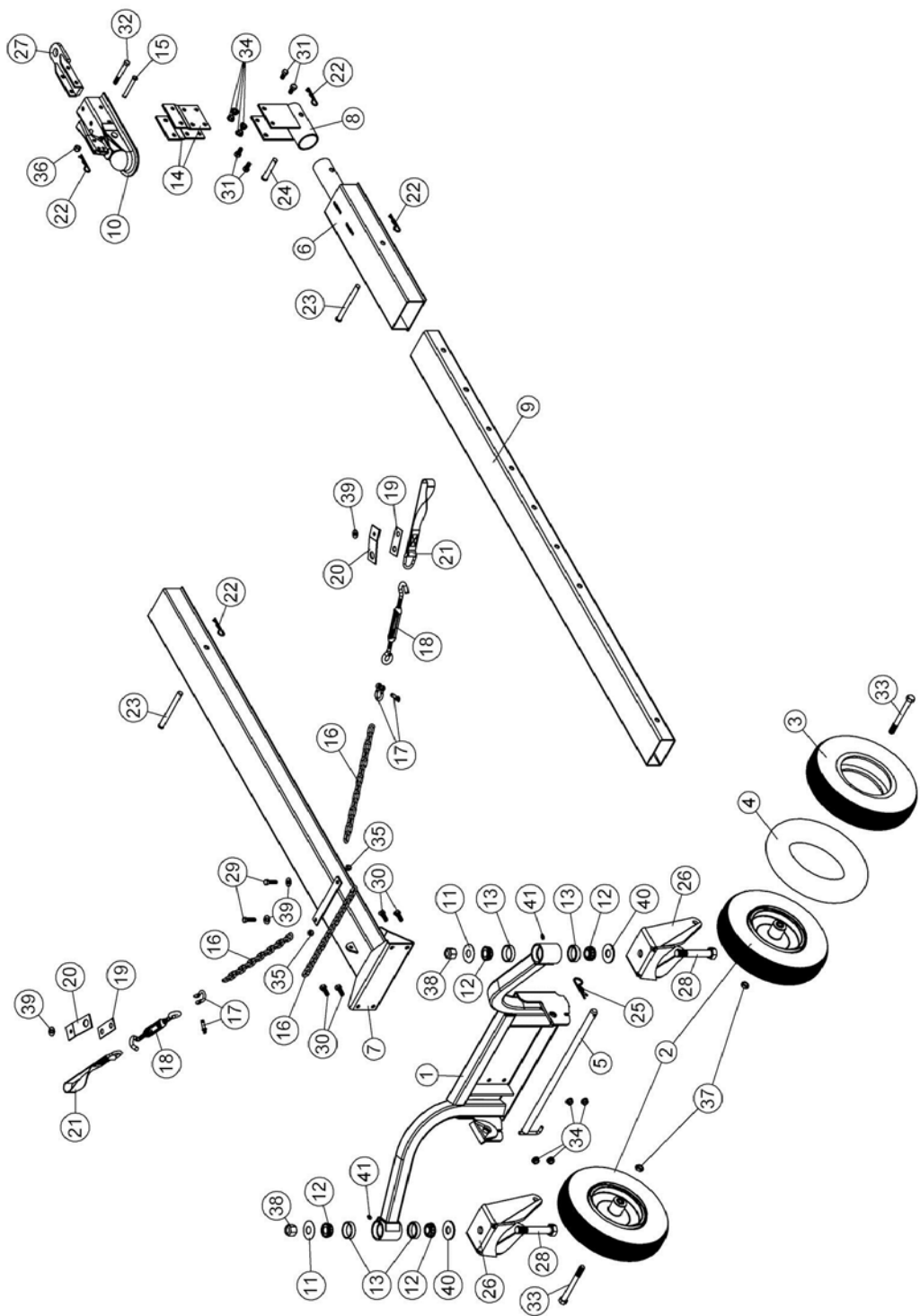
| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|-------------------------------------|--|--------------|-------------------|
| 61 | Box support | Support de la boîte | 1 | 104756 |
| 62 | Key 1/4" x 1/4" x 2.88" | Clé 1/4" x 1/4" x 2.88" | 1 | 104436 |
| 63 | Key 1/4" x 1/4" x 2" | Clé 1/4" x 1/4" x 2" | 1 | 102922 |
| 64 | Spring | Ressort | 1 | 105356 |
| 65 | V pulley | Poulie en V | 2 | 102766 |
| 66 | Nylon flat washer 7/16" | Rondelle plate de nylon 7/16" | 8 | 102011 |
| 67 | Nylon flat washer 11/32" | Rondelle plate de nylon 11/32" | 2 | 102009 |
| 68 | Spacer | Douille d'espacement | 1 | 104767 |
| 69 | Pair of V-belts, BX-54 | Paire de courroie en V, BX-54 | 1 | 106343 |
| 70 | Lynch pin | Goupille à anneau | 1 | 103919 |
| 71 | Spring | Ressort | 1 | 102592 |
| 72 | Pin | Goupille | 1 | 105365 |
| 73 | Hair pin 2mm | Goupille à ressort 2mm | 1 | 102430 |
| 74 | Key 1/4" x 1/4" x 1.000" | Clé 1/4" x 1/4" x 1.000" | 1 | 102017 |
| 75 | Hex. bolt 1/4" n.c. x 1/2" GR5 | Boulon hex. 1/4" n.c. x 1/2" GR5 | 7 | O/L |
| 76 | Hex. bolt 1/4" n.c. x 3/4" GR5 | Boulon hex. 1/4" n.c. x 3/4" GR5 | 2 | O/L |
| 77 | Hex. bolt 1/4" n.c. x 1" GR5 | Boulon hex. 1/4" n.c. x 1" GR5 | 7 | O/L |
| 78 | Hex. bolt 1/4" n.c. x 1 3/4" GR5 | Boulon hex. 1/4" n.c. x 1 3/4" GR5 | 3 | O/L |
| 79 | Hex. bolt 5/16" n.c. x 1/2" GR5 | Boulon hex. 5/16" n.c. x 1/2" GR5 | 2 | O/L |
| 80 | Hex. bolt 5/16" n.c. x 3/4" GR5 | Boulon hex. 5/16" n.c. x 3/4" GR5 | 4 | O/L |
| 81 | Hex. bolt 5/16" n.c. x 2 1/4" GR8 | Boulon hex. 5/16" n.c. x 2 1/4" GR8 | 1 | O/L |
| 82 | Hex. bolt 3/8" n.c. x 3/4" GR5 | Boulon hex. 3/8" n.c. x 3/4" GR5 | 4 | O/L |
| 83 | Hex. bolt 3/8" n.c. x 1" GR5 | Boulon hex. 3/8" n.c. x 1" GR5 | 1 | O/L |
| 84 | Hex. bolt 3/8" n.c. x 1 1/2" GR5 | Boulon hex. 3/8" n.c. x 1 1/2" GR5 | 2 | O/L |
| 85 | Hex. bolt 3/8" n.c. x 3" GR5 | Boulon hex. 3/8" n.c. x 3" GR5 | 1 | O/L |
| 86 | Hex. bolt 3/8" n.c. x 5" GR5 | Boulon hex. 3/8" n.c. x 5" GR5 | 2 | O/L |
| 87 | Hex. bolt 7/16" n.f. x 1 1/2" GR5 | Boulon hex. 7/16" n.f. x 1 1/2" GR5 | 1 | O/L |
| 88 | Hex. bolt 1/2" n.c. x 1 1/4" GR5 | Boulon hex. 1/2" n.c. x 1 1/4" GR5 | 4 | O/L |
| 89 | Hex. bolt 1/2" n.c. x 1 3/4" GR5 | Boulon hex. 1/2" n.c. x 1 3/4" GR5 | 1 | O/L |
| 90 | Carriage bolt 1/4" n.c. x 5/8 " GR5 | Boulon à carrosserie 1/4" n.c. x 5/8 " GR5 | 2 | O/L |

PARTS LIST

VANTAGE SNOWBLOWER 72"

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|--|--|--------------|-------------------|
| 91 | Carriage bolt 1/4" n.c. x 3/4 " GR5 | Boulon à carrosserie 1/4" n.c. x 3/4" GR5 | 2 | O/L |
| 92 | Carriage bolt 5/16" n.c. x 3/4 " GR5 | Boulon à carrosserie 5/16" n.c. x 3/4 " GR5 | 8 | O/L |
| 93 | Carriage bolt 5/16" n.c. x 3/4 " GR5 | Boulon à carrosserie 5/16" n.c. x 3/4 " GR5 | 7 | O/L |
| 94 | Carriage bolt 3/8" n.c. x 2 " GR5 | Boulon à carrosserie 3/8" n.c. x 2 " GR5 | 1 | O/L |
| 95 | Flange nut 1/4" n.c. | Écrou à bride 1/4" n.c. | 6 | O/L |
| 96 | Flange nut 5/16" n.c. | Écrou à bride 5/16" n.c. | 10 | O/L |
| 97 | Nylon Insert lock Nut #6x32 n.c. | Écrou à garniture de nylon #6x32 n.c. | 2 | O/L |
| 98 | Nylon Insert lock Nut 5/16" n.c. | Écrou à garniture de nylon 5/16" n.c. | 7 | O/L |
| 99 | Nylon Insert lock Nut 3/8" n.c. | Écrou à garniture de nylon 3/8" n.c. | 10 | O/L |
| 100 | Nylon Insert lock Nut 1/2" n.c. | Écrou à garniture de nylon 1/2" n.c. | 4 | O/L |
| 101 | Nylon insert lock nut 1/4" n.c. (thin) | Écrou à garniture de nylon 1/4" n.c. (mince) | 14 | O/L |
| 102 | Nylon insert lock nut 3/8" n.c. (thin) | Écrou à garniture de nylon 3/8" n.c. (mince) | 1 | O/L |
| 103 | Nylon insert lock nut 1/2" n.c. (thin) | Écrou à garniture de nylon 1/2" n.c. (mince) | 1 | O/L |
| 104 | Stover lock nut 5/16" n.c. | Écrou de blocage 5/16" n.c. | 7 | O/L |
| 105 | Flat washer 5/16" hole | Rondelle plate 5/16" trou | 3 | O/L |
| 106 | Flat washer 7/16" hole | Rondelle plate 7/16" trou | 6 | O/L |
| 107 | Lock washer 1/4" | Rondelle de blocage 1/4" | 3 | O/L |
| 108 | Lock washer 7/16" | Rondelle de blocage 7/16" | 1 | O/L |
| 109 | Machine screw Pan head #6 x 32 x 9/16" | Vis mécanique tête pan #6 x 32 x 9/16" | 2 | O/L |
| 110 | Socket Head Cap Screw M5 x 0.80 x 10 | Vis six PC tête ronde M5 x 0.80 x 10 | 2 | O/L |
| 111 | Tie wrap 8" | Attache de nylon 8" | 11 | O/L |
| 112 | Danger decal chute | Décalque danger goulotte | 1 | 105127 |
| 113 | Berco decal | Décalque Berco | 1 | 103785 |
| 114 | Decal danger auger | Decalque danger vis | 1 | 105126 |
| 115 | Decal danger belts | Decalque danger courroies | 1 | 105128 |
| 116 | Decal warning safety | Decalque avertissement sécurité | 1 | 105131 |
| 117 | Decal read instructions | Decalque lire instructions | 1 | 105130 |
| 118 | Made in Canada decal | Décalque Fabriqué au Canada | 1 | REF |
| 119 | Specifications decal | Décalque spécifications | 1 | REF |
| 120 | Serial number | Numéro de série | 1 | REF |

PARTS BREAKDOWN SUBFRAME



PARTS LIST SUBFRAME

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|---------------------|-----------------------------|--------------|-------------------|
| 1 | Wheel support | Support de roue | 1 | 106000 |
| 2 | Wheel | Roue | 2 | 105496 |
| 3 | Tire 410/350-6 | Pneu 410/350-6 | 1 | 105497 |
| 4 | Inner tube 350-6 | Chambre à air 350-6 | 1 | 105498 |
| 5 | Pin | Goupille | 1 | 105500 |
| 6 | Rear bracket | Fixation arrière | 1 | 104956 |
| 7 | Subframe | Sous-châssis | 1 | 104957 |
| 8 | Hitch support | Support d'attache | 1 | 104958 |
| 9 | Adjustment tube | Tube d'ajustement | 1 | 104959 |
| 10 | Hitch | Attache | 1 | 104639 |
| 11 | Seal washer | Rondelle d'étanchéité | 2 | 102289 |
| 12 | Cone bearing | Roulement conique | 4 | 102369 |
| 13 | Cup bearing | Cuvette | 4 | 102370 |
| 14 | Hitch support plate | Plaque de support d'attache | 2 | 104641 |
| 15 | Pin | Goupille | 1 | 104642 |
| 16 | Chain | Chaîne | 3 | 104633 |
| 17 | Shackle Ptd Z | Clevis Pqé Z | 2 | 102343 |
| 18 | Turnbuckle | Tendeur | 2 | 104634 |
| 19 | Bracket | Fixation | 2 | 104632 |
| 20 | Bracket | Fixation | 2 | 105194 |

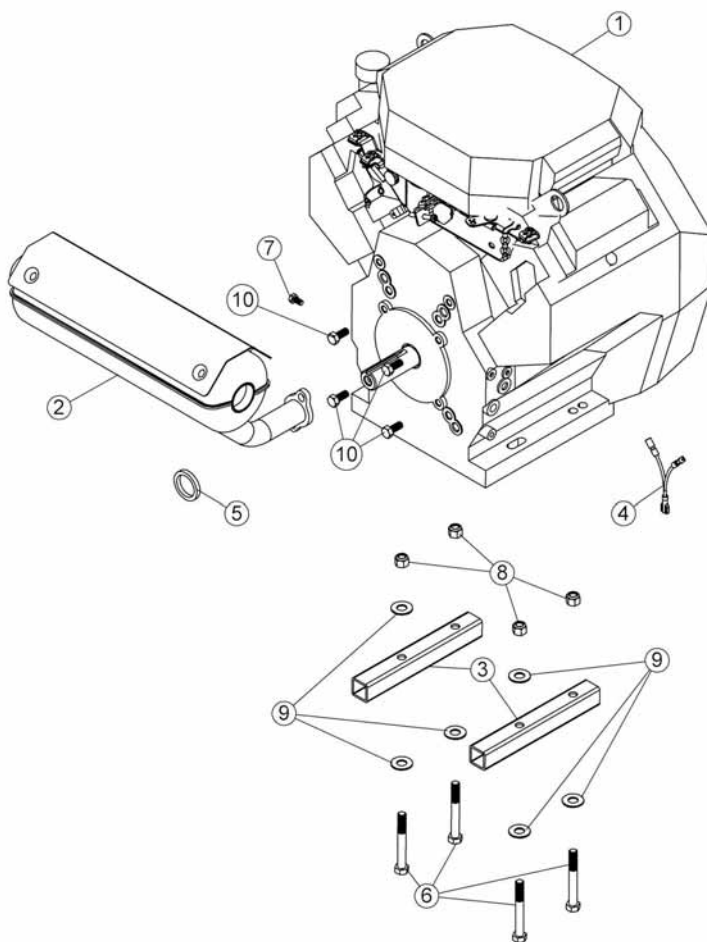
O/L = Obtain Locally

PARTS LIST SUBFRAME

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|--|--|--------------|-------------------|
| 21 | Lift strap | Sangle de relevage | 2 | 103613 |
| 22 | Hair pin 3mm | Goupille à ressort 3mm | 4 | 102617 |
| 23 | Pin | Goupille | 2 | 104961 |
| 24 | Pin | Goupille | 1 | 104999 |
| 25 | Hair pin 4mm | Goupille à ressort 4mm | 1 | 102054 |
| 26 | Wheel fork | Fourche de roue | 2 | 105499 |
| 27 | Hitch Ball Support | Support de boule d'attache | 1 | 106214 |
| 28 | Rod | Tige | 2 | 106272 |
| 29 | Hex. bolt 5/16" n.c. x 1 1/4" GR5 | Boulon hex. 5/16" n.c. x 1 1/4" GR5 | 2 | O/L |
| 30 | Hex. bolt 3/8" n.c. x 1" GR5 | Boulon hex. 3/8" n.c. x 1" GR5 | 4 | O/L |
| 31 | Hex. bolt 3/8" n.c. x 3/4" GR5 | Boulon hex. 3/8" n.c. x 3/4" GR5 | 4 | O/L |
| 32 | Hex. bolt 3/8" n.c. x 3" GR5 | Boulon hex. 3/8" n.c. x 3" GR5 | 1 | O/L |
| 33 | Hex. bolt 1/2" n.c. x 5" GR5 | Boulon hex. 1/2" n.c. x 5" GR5 | 2 | O/L |
| 34 | Flange nut 3/8" n.c. | Écrou à bride 3/8" n.c. | 8 | O/L |
| 35 | Nylon Insert lock Nut 5/16" n.c. | Écrou à garniture de nylon 5/16" n.c. | 2 | O/L |
| 36 | Nylon Insert lock Nut 3/8" n.c. | Écrou à garniture de nylon 3/8" n.c. | 1 | O/L |
| 37 | Nylon insert lock nut 1/2" n.c. (thin) | Écrou à garniture de nylon 1/2" n.c. (mince) | 2 | O/L |
| 38 | Nylon Insert lock Nut 3/4" n.c. | Écrou à garniture de nylon 3/4" n.c. | 2 | O/L |
| 39 | Flat washer 3/8" hole | Rondelle plate 3/8" trou | 4 | O/L |
| 40 | Flat washer 13/16" hole | Rondelle plate 13/16" trou | 2 | O/L |
| 41 | Grease fitting 1/4" n.f. | Graisser 1/4" n.f. | 2 | O/L |

O/L = Obtain Locally

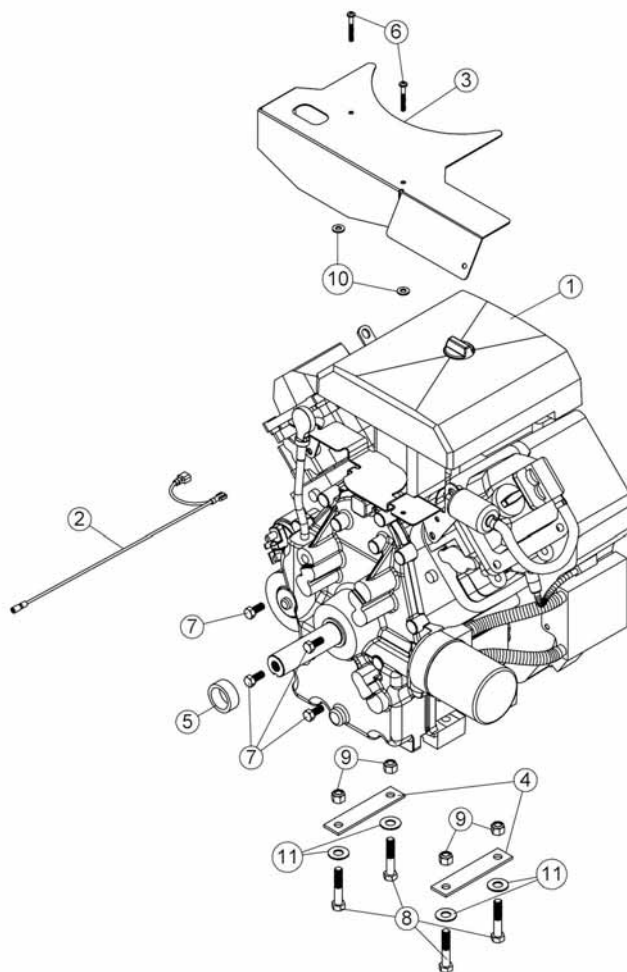
PARTS BREAKDOWN HONDA 24 HP ENGINE



PARTS LIST HONDA 24 HP ENGINE

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|---------------------------------|--------------------------------------|--------------|-------------------|
| 1 | Honda engine 24 hp with key | Moteur Honda 24 CV avec clé | 1 | 105520 |
| 2 | Honda muffler | Silencieux Honda | 1 | 105448 |
| 3 | Shim | Cale | 2 | 105519 |
| 4 | Stop emergency wire | Fil d'arrêt d'urgence | 1 | 105597 |
| 5 | Clutch spacer | Espaceur d'embrayage | 1 | 106269 |
| 6 | Hex. bolt 3/8" n.c. x 3" GR5 | Boulon hex. 3/8" n.c. x 3" GR5 | 4 | O/L |
| 7 | Hex. bolt M6 x 1.00 x 12 GR8.8 | Boulon hex. M6 x 1.00 x 12 GR8.8 | 1 | O/L |
| 8 | Nylon Insert lock Nut 3/8" n.c. | Écrou à garniture de nylon 3/8" n.c. | 4 | O/L |
| 9 | Flat washer 7/16" hole | Rondelle plate 7/16" trou | 6 | O/L |
| 10 | Hex. bolt 5/16" n.f. x 3/4" GR5 | Boulon hex. 5/16" n.f. x 3/4" GR5 | 4 | O/L |

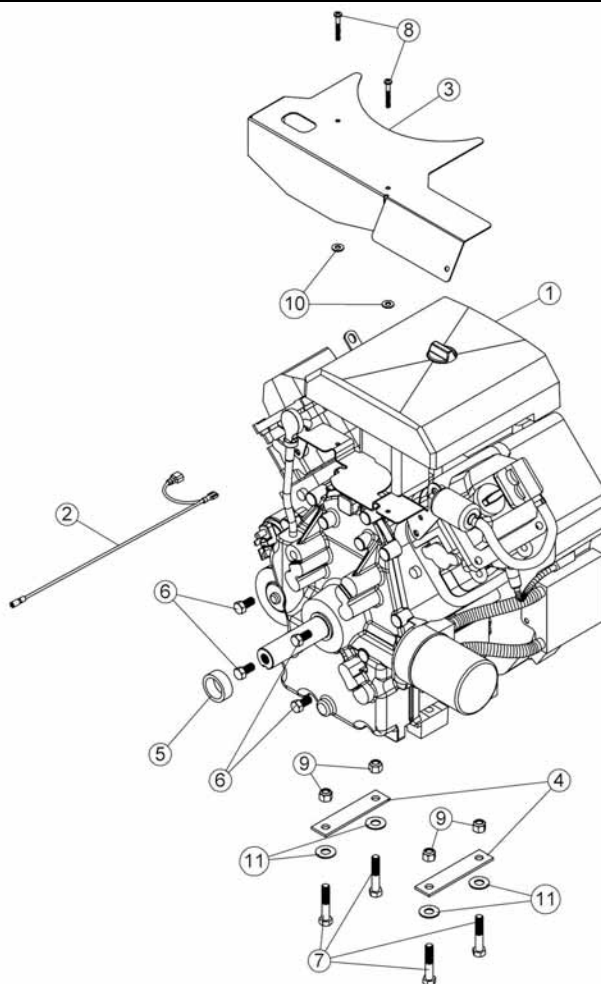
PARTS BREAKDOWN KOHLER 23 HP ENGINE



PARTS LIST KOHLER 23 HP ENGINE

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|--|--|--------------|-------------------|
| 1 | Engine 23 HP (Kohler) | Moteur 23 CV (Kohler) | 1 | 104003 |
| 2 | Wire assembly | Fil assemblé | 1 | 105218 |
| 3 | Heat shield | Pare-chaleur | 1 | 104621 |
| 4 | Shim | Cale | 2 | 106266 |
| 5 | Clutch spacer | Espaceur d'embrayage | 1 | 106267 |
| 6 | Machine screw Pan head no.10 x 32 x 1 1/2" | Vis mécanique tête pan no.10 x 32 x 1 1/2" | 2 | O/L |
| 7 | Hex. bolt 5/16" n.f. x 3/4" GR5 | Boulon hex. 5/16" n.f. x 3/4" GR5 | 4 | O/L |
| 8 | Hex. bolt 3/8" n.c. x 2" GR5 | Boulon hex. 3/8" n.c. x 2" GR5 | 4 | O/L |
| 9 | Nylon Insert lock Nut 3/8" n.c. | Écrou à garniture de nylon 3/8" n.c. | 4 | O/L |
| 10 | Flat washer 1/4" hole | Rondelle plate 1/4" trou | 2 | O/L |
| 11 | Flat washer 7/16" hole | Rondelle plate 7/16" trou | 4 | O/L |

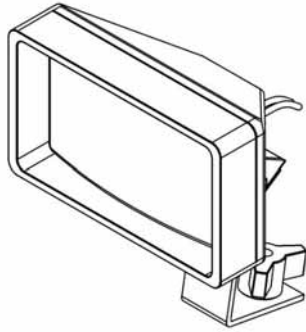
PARTS BREAKDOWN KOHLER 27 HP ENGINE



PARTS LIST KOHLER 27 HP ENGINE

| Ref. Réf. | English description | Description française | Qty. Qté. | Part # Pièce # |
|--------------|--|--|--------------|-------------------|
| 1 | Engine CH-27 (Kohler) with key | Moteur CH-27 (Kohler) avec clé | 1 | 105521 |
| 2 | Wire assembly | Fil assemblé | 1 | 105218 |
| 3 | Heat shield | Pare-chaleur | 1 | 104621 |
| 4 | Shim | Cale | 2 | 106266 |
| 5 | Clutch spacer | Espaceur d'embrayage | 1 | 106267 |
| 6 | Hex. bolt 3/8" n.c. x 3/4" GR5 | Boulon hex. 3/8" n.c. x 3/4" GR5 | 4 | O/L |
| 7 | Hex. bolt 3/8" n.c. x 2" GR5 | Boulon hex. 3/8" n.c. x 2" GR5 | 4 | O/L |
| 8 | Machine screw Pan head no.10 x 32 x 1 1/2" | Vis mécanique tête pan no.10 x 32 x 1 1/2" | 2 | O/L |
| 9 | Nylon Insert lock Nut 3/8" n.c. | Écrou à garniture de nylon 3/8" n.c. | 4 | O/L |
| 10 | Flat washer 1/4" hole | Rondelle plate 1/4" trou | 2 | O/L |
| 11 | Flat washer 7/16" hole | Rondelle plate 7/16" trou | 4 | O/L |

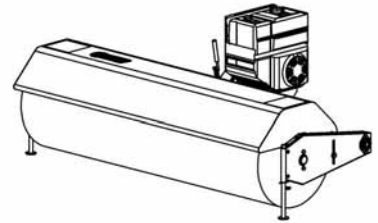
OPTIONS & ACCESSORIES



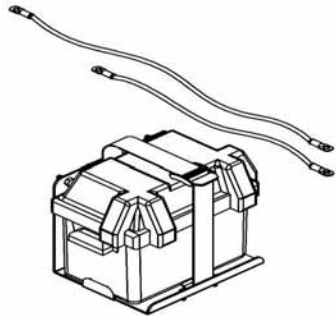
**#700456
LIGHT KIT**
Better visibility for night time use



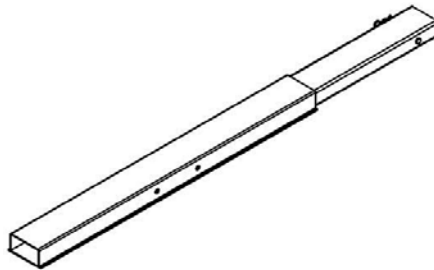
**#700535
SNOW DRIFT CUTTER**
Slices through high snow drifts to facilitate and increase snow intake. Package of 2.



**#700516
66" ROTARY BROOM**
For UV



**#700524
SUPPORT FOR BATTERY
(BATTERY NOT INCLUDED)**
For ATV or UV



SUBFRAME EXTENSION
#700485
For bigger vehicle

NOTES

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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& DEPENDABILITY
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