GRIPO®

OWNER'S MANUAL

GRIPO 48" SNOWBLOWER
FOR ALL TERRAIN VEHICLES

CAUTION
Read and follow all safety rules and instructions before operating this equipment.

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GRIPO®

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LIMITED WARRANTY

CONDITIONS AND PRODUCTS COVERAGE

Équipements E.S.F. warrants any part or accessory manufactured by Équipments E.S.F. against defect in material or workmanship in reasonable judgement of Équipements E.S.F. Warranty repairs, replacements or adjustments will be made without charge by an authorized dealer up to the maximum labour rates and pre-established times. For parts replacements, only standard freight services are covered. This warranty applies to the first owner and is not transferable to any subsequent owner. The warranty period starts at the date of the original retail purchase.

WARRANTY PERIOD

(from date or the original retail purchase) :

• Residential use : 1 year
• Rental or commercial use : 90 days

Exceptions noted below : the following items are guaranteed by the original manufacturer and have their own warranty, conditions and limited time :

• HONDA engines
(factory-installed on GRIPO equipments) : 2 years

Conditions and items not covered :

This warranty does not include the following :

• Any damage or deterioration of the unit, parts or finish of these due to normal use, wear, tear or exposure.

• Cost of regular use or maintenance service, 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.

• Any repair due to normal wear of items such as shear pins, bolts, belts, etc.

• 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 replacement parts.

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 Équipements E.S.F. 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 Équipements E.S.F. with respect to this warranty shall be strictly and exclusively repair and replacement as mentioned herein. Équipements E.S.F. shall not have any liability for any others costs, loss or damage, including but not limited to, any incidental or consequential loss or damage.

In particular, Équipements E.S.F. 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 similar replacement equipment during the period of any repair or replacement work.

• 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 cost as a result of damage or repair.

• Attorney's fees.

TO OBTAIN WARRANTY SERVICE:

Contact the dealer where equipment was purchased or any other authorized service dealer to arrange service at their dealership. Do not forget to bring the product and your proof of purchase (sales receipt) to your dealer.

Équipements E.S.F. inc
6500, Armand-Viau
Québec, QC., Canada, G2C 2J6

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INTRODUCTION

This manual has been provided to assist you in the safe operation of your snowblower.

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

Familiarize yourself with the safety recommendations and operating procedures before putting the snowblower to use. Carefully read, understand and follow these recommendations and make sure they be followed by those who will use this snowblower.

THIS SAFETY ALERT SYMBOL IDENTIFIES AN IMPORTANT SAFETY MESSAGE THAT HELPS YOU AND OTHERS AVOID PERSONAL INJURY OR EVEN DEATH. ALWAYS BE EXTREMELY CAREFUL.

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

Record your snowblower and Honda engine serial numbers and purchase date in the section reserved below. Your dealer requires this information to give you prompt and 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.

SNOWBLOWER SERIAL NUMBER : _____

ENGINE SERIAL NUMBER : _____

MODEL NUMBER : _____

PURCHASE DATE : _____

NOTE : INSTALLATION SHOULD BE PERFORMED BY AN AUTHORIZED DEALER OR DISTRIBUTOR.

NOTE : THE HONDA OPERATION GUIDE PROVIDED WITH THIS MANUAL IS THE FIRST REFERENCE IN REGARDS WITH HONDA ENGINE OPERATION, MAINTENANCE AND SAFETY PRECAUTIONS. IT IS STRONGLY RECOMMENDED TO REFER TO THIS GUIDE BEFORE ANY OPERATION.

NOTE : PLEASE ALSO REFER TO YOUR ATV OWNER'S MANUAL.

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SAFETY PRECAUTIONS

Careful operation is your best insurance against any accident. Read this section before operating the vehicle and accessory. This accessory is capable of amputating hands, feet or throw objects. Failure to observe the following safety instructions could result in serious injuries. 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.

TRAINING:

This 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 accessory and vehicle.

1. Read this owner's manual carefully. Be completely familiar with the controls and proper use of the snowblower. Know how to stop the unit and disengage the controls quickly.

2. Never allow any person under 18 years old to operate the snowblower.

3. Never allow adults to operate the accessory nor the vehicle without proper instructions.

4. Never operate the accessory nor the vehicle while intoxicated or while taking medication that impairs the senses and reactions.

5. Keep the area of operation clear of all people, particularly small children and pets.

6. Never leave the snowblower unattended when the engine runs or when the key is in the ignition.

7. Always wear safety glasses or eye shields during startup, operation, mounting, maintenance or repair of the unit.

PREPARATION:

1. Thoroughly inspect the area where the snowblower is to be used and remove all objects.

2. Disengage all clutches and shift into neutral before starting snowblower engine.

3. Always wear adequate winter outer garments. Avoid loose fitting clothing than can get caught in moving parts. Wear non-skid footwear that will improve footing on icy surfaces

4. Handle fuel with care (if applicable), 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 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 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. Do not attempt to make any adjustments while the engine is running (except when recommended by manufacturer).

6. Let the snowblower and the vehicle adjust to outdoor temperatures before starting to clear snow.

7. **Never modify the accessory or any part without the written consent from the manufacturer.**

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SAFETY PRECAUTIONS

OPERATION :

1. Do not put hands or feet near, under or inside rotating parts.

2. Exercise caution when operating on or crossing gravel drives, walks or roads. Stay alert for hidden hazards or traffic. Never carry passengers.

3. After striking a foreign object, stop the engine, 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 snowblower.

4. If the unit starts to vibrate abnormally, immediately stop the engine and check for the cause. Vibration is generally a warning of trouble.

5. Take all possible precautions when leaving the vehicle. Disengage the power take-off, lower the attachment, place the transmission into neutral, set the parking brake, stop the engine and remove contact key.

6. Do not run the engine indoors, except when starting the engine for transporting in or out of the building. Do not operate or let engine run in a storage area without ventilation because gas contains carbon monoxide which is odorless, colorless and can cause death.

7. Never clean across the face of slopes, go from top to botton. 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 the 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 speeds on slippery surfaces. Look behind and use care when backing up.

10. Never carry passengers.

11.Disengage power to the ATV and snowblower when they are transported or not in use.

12. Never operate the snowblower without good visibility or light.

13. Keep the snowblower away from heat sources or flames.

14. Some parts, like the engine, the muffler and the exhaust pipe, can become very hot during operation and may cause severe burns. Make sure to let the engine cool before any handling.

MAINTENANCE AND STORAGE :

1. When cleaning, repairing or inspecting the vehicle and the snowblower, make sure that all moving parts have stopped. 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, particularly before operating, to make sure that they are properly tightened and that the snowblower can safely operates.

3. Never store a motorized accessory with fuel in the fuel tank inside a building where ignition sources are present such as water heaters, clothes dryers, sources of heat, 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 snowblower and the 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 cleaning snow in order to prevent the rotary parts from freezing.

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

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OPERATION

WARNING

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

WARNING

TO PREVENT INJURIES AND FOR MORE TRACTION WHEN USING THE SNOWBLOWER ON THE ATV :

- Do not drive faster than 3 km/hr with the snowblower on the ground.
- Do not drive faster than 10 km/hr with the snowblower in raised position.
- Do not operate the snowblower on a slope greater than 10°
- Vehicle manufacturer approved tire chains are required.

WARNING

- Do not attempt to clear plugged fan, auger or chute, of snow while the snowblower's engine is running.
- Disengage snowblower.
- Lower snowblower to the 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 a 36" (915 mm) minimum length stick.

REMOVING SNOW:

When removing snow, do not use the snowblower as a dozer blade to push snow.

Allow the snowblower to ingest snow at its own speed in large amount of snow.

If the speed of your vehicle is too fast, the snowblower may become overloaded and plug.

OPERATING THE SNOWBLOWER :

a) Make sure the snowblower is clear of snow before engaging the clutch.
b) Make sure that the auger and impeller operate freely.
c) Start the snowblower engine.
d) Before engaging the snowblower drive, have the engine running at max r.p.m.
e) Operate the snowblower at maximum engine r.p.m.

IMPORTANT : USE FULL ENGINE R.P.M. WHEN REMOVING WET, STICKY SNOW. LOW R.P.M. POWER WILL TEND TO CLOG THE CHUTE.

RAISING OR LOWERING THE SNOWBLOWER :

Use the winch switch control to raise or to lower the snow-blower.

CLEARING A CLOGGED DISCHARGE CHUTE :

Hand contact with the rotating impeller inside the discharge chute is the most common cause of injury associated with snowblowers. Never use your hand to clear out the discharge chute.

To clear the chute :

1) Lower snowblower to the ground and set parking brake.
2) SHUT THE ENGINE OFF AND REMOVE KEY !
3) Wait 10 seconds to be sure all moving parts such as the impeller have stop moving.
4) Disconnect wire from the spark plug(s) and keep wire away to prevent accidental starting.
5) Always use a clean-out tool of at least 36" in length**. NEVER YOUR HANDS.**

EMERGENCY SWITCH :

Push on the red toggle switch guard in order to disengage the engine electric pulley. (This will stop the snowblower drive).

IMPORTANT : The red toggle switch guard must me lifted and the toggle switch must be at the "ON" position in order to operate the snowblower.

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SAFETY DECALS

⚠ WARNING

Pour éviter des blessures :

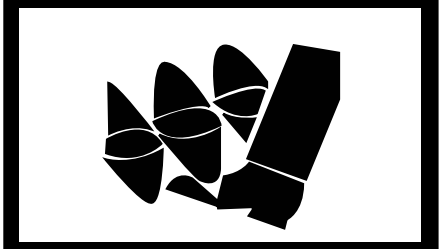
- LIRE LE MANUEL DU PROPRIÉTAIRE ET SUIVRE LES INSTRUCTIONS D'OPÉRATION ET DE SÉCURITÉ.
- NE CONDUISEZ PAS À PLUS DE 10 KM/HRE AVEC LA SOUFFLEUSE EN POSITION RELEVÉE.
- NE CONDUISEZ PAS À PLUS DE 3 KM/HRE AVEC LA SOUFFLEUSE ABAISSÉE AU SOL
- N'UTILISEZ PAS LA SOUFFLEUSE DANS UNE PENTE DE PLUS DE 10°
- AYEZ DES CHAÎNES À PNEUS APPROUVÉES (REQUISES.)

⚠ WARNING

To avoid personal injury :

- READ AND FOLLOW INSTRUCTIONS AND SAFETY. PRECAUTIONS OWNER'S MANUAL
- DO NOT DRIVE AT MORE THAN 10 KM/HR WITH THE SNOWBLOWER IN RAISED POSITION.
- DO NOT DRIVE AT MORE THAN 3 KM/HR WITH THE SNOWBLOWER ON THE GROUND.
- DO NOT OPERATE ON SLOPES GREATER THAN 10°
- APPROVED TIRE CHAINS ARE REQUIRED.

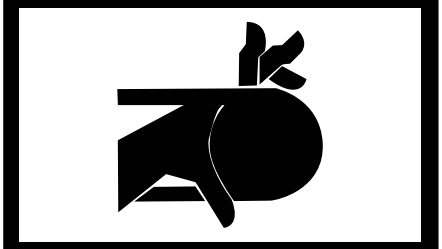
⚠ WARNING



POUR ÉVITER DES BLESSURES GRAVES :
GARDEZ LES MAINS, LES PIEDS ET LES VÊTEMENTS ÉLOIGNÉS DE LA VIS SANS FIN LORSQUE LE MOTEUR EST EN MARCHE.

TO AVOID SERIOUS INJURY :
KEEP HANDS, FEET & CLOTHING AWAY FROM ROTATING AUGER WHILE ENGINE IS RUNNING

⚠ WARNING



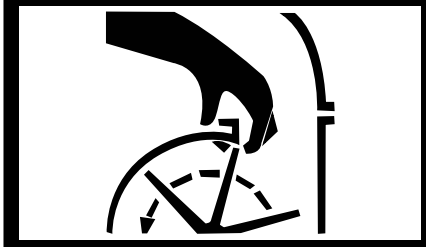
Évitez les blessures par la courroie:

- **GARDEZ MAINS, PIEDS ET VÊTEMENTS ÉLOIGNÉS.**
- **ARRÊTEZ LE MOTEUR, ENLEVEZ LA CLÉ DE CONTACT ET ATTENDEZ QUE TOUTES LES PIÈCES MOBILES SOIENT ARRÊTÉES AVANT DE VOUS APPROCHER DE LA COURROIE**
- **NE TENTEZ PAS D'INSTALLER OU DE REMPLACER LA COURROIE SANS LIRE LE MANUEL DU PROPRIÉTAIRE.**

To avoid injury from drive belt:

- **KEEP HANDS, FEET AND CLOTHING AWAY.**
- **STOP ENGINE, REMOVE IGNITION KEY & WAIT FOR ALL MOVING PARTS TO STOP BEFORE COMING NEAR BELT**
- **DO NOT ATTEMPT TO INSTALL OR REMOVE DRIVE BELT WITHOUT READING OWNER'S MANUAL**

⚠ WARNING



Pour éviter des blessures graves:

GARDEZ LES MAINS ÉLOIGNÉES DE LA CHUTE LORSQUE LE MOTEUR EST EN MARCHE

To avoid serious injury:

KEEP HANDS OUT OF THIS DISCHARGE CHUTE WHILE ENGINE IS RUNNING

IMPORTANT

Pour prévenir des dommages à la souffleuse :

- UTILISEZ SEULEMENT LES BOULONS DE SÉCURITÉ ORIGINAUX

To prevent damage to snowblower :

- USE ONLY THE ORIGINAL SHEAR BOLTS

ASSEMBLY

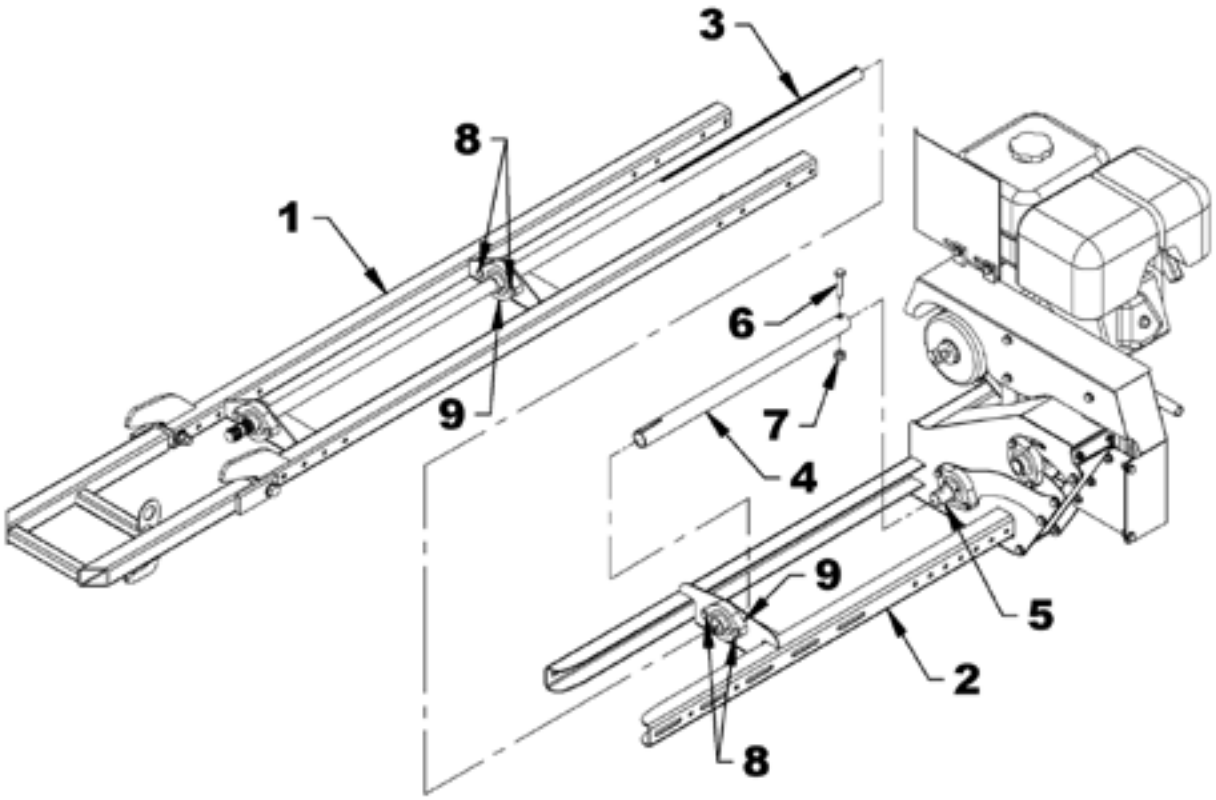
SUBFRAME AND SNOWBLOWER INSTALLATION

Important : Before installing the snowblower, make sure your ATV is provided with an electric winch and a 1 7/8" hitch ball.

Subframe preparation (Figure 1) :

1. Place the front subframe (item 1) and the rear subframe (item 2) on the ground, on a level surface and near the ATV.
2. Temporarily untighten the bolts (item 8) maintaining the 2 bearings (item 9) illustrated on figure 1 (item 8).
   Note: Do not untighten the front bearing bolts.
3. Insert the front subframe (item 1) into the rear subframe (item 2) and carefully move the transmission shaft (item 3) into the bearing (item 9).
4. Grease the transmission shaft (item 3) and insert the female shaft (item 4).
5. Fix the female shaft (item 4) to the transmission shaft (item 5) of the rear subframe.
6. Place the 2 subframes assembly under the ATV. The subframe engine must be located at the back of the ATV. The adjustment of the 2 subframes will be performed later.

Figure 1 :

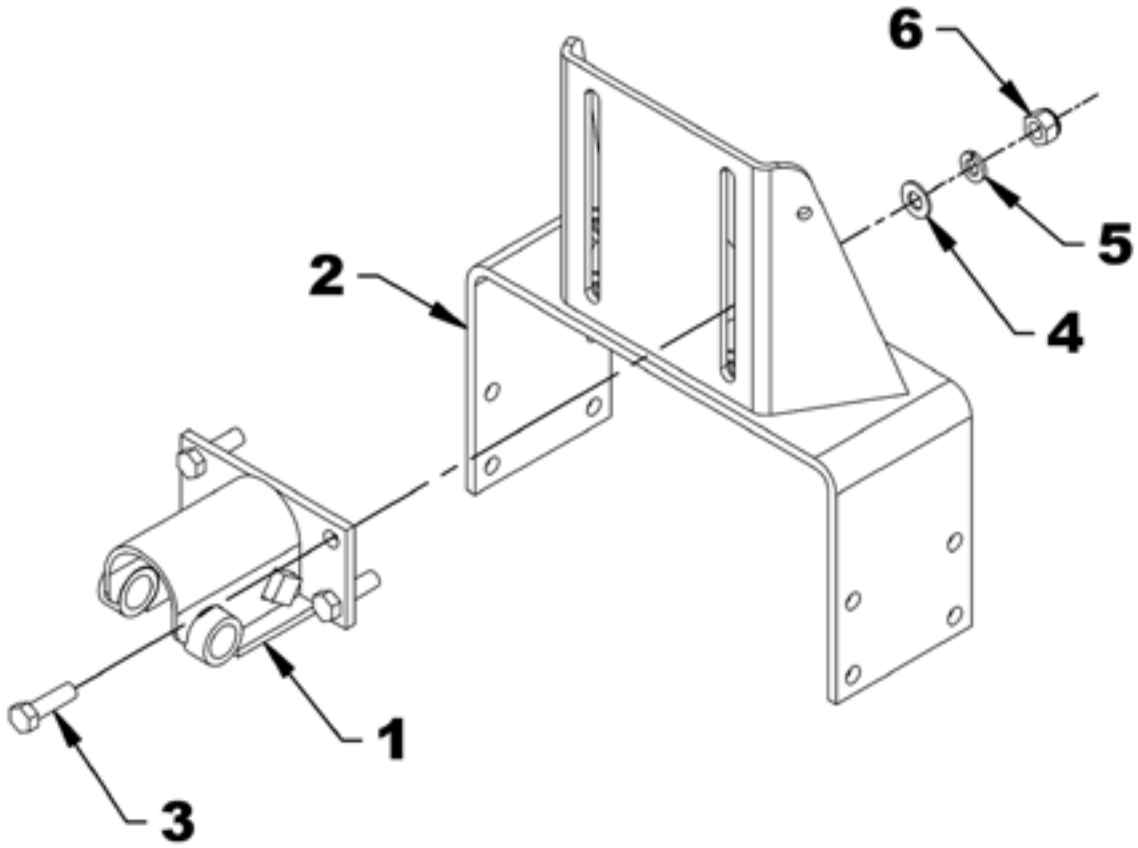


ASSEMBLY

Rear brackets assembly (figure 2) :

1. Without tightening, screw the rear top bracket (item 1) to the rear bracket (item 2) using the 4 hex bolts 3/8” NC x 1 ¼ (item 3), the flat washers 3/8” (item 4), the lock washers 3/8” (item 5) and the nylon insert locknuts 3/8” NC (item 6).
   Note : At this point, the rear top bracket (item 1) must slide freely in the rear bracket oblong holes (item 2).

Figure 2 :



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ASSEMBLY

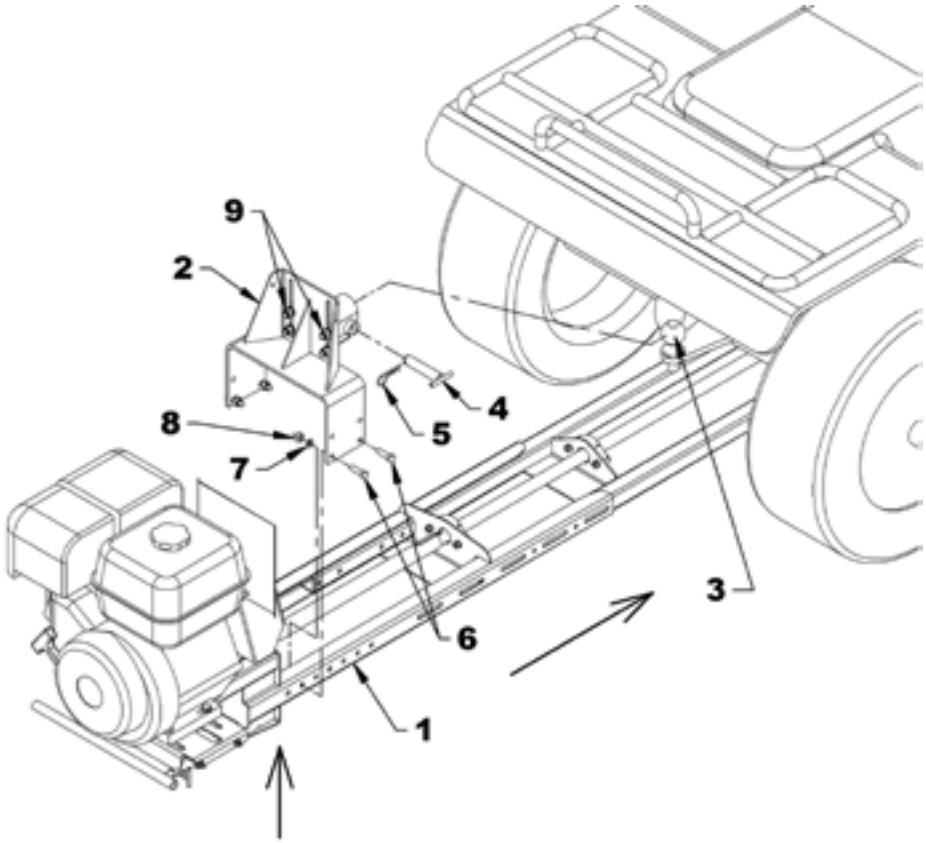
Pre-installation of the subframe at the rear of the ATV (figures 3-4) :

1. (Figure 3) Slide the snowblower subframe (item 1) under the ATV and keep a minimum of 2” clearance between the back of the ATV and the rear components of the subframe (see figure 4). **Note : The distance between the rear components of the subframe and the back of the ATV must not be too long in order to keep the assembly the most compact possible. However, make sure to have enough space to reach the ATV hitch ball (item 3).**

   IMPORTANT : When operating an ATV provided with tracks, you must consider all possible movements of the rear tracks and place the snowblower subframe so that there will be no interference.

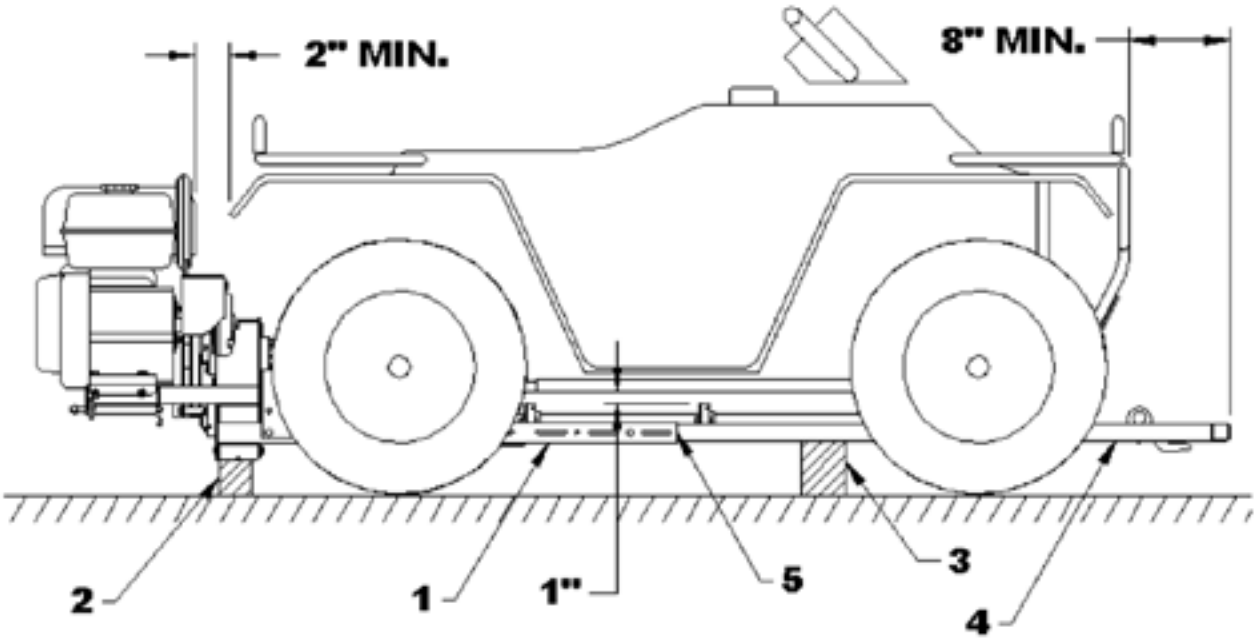
2. (Figure 4) Lift the snowblower subframe (item 1) and place wood blocks under at the rear and at the front part of the subframe (items 2 and 3) to temporarily support the subframe. The subframe must be parallell with the ground. Keep a 1” clearance between the bottom of the ATV and the snowblower subframe (see figure 4).
3. (Figure 3) Link the rear bracket (item 2) to the ATV hitch ball (item 3) using the T-pin ¾” x 3 9/16” (item 4) and the R-clip 1/8’’ x 2 ½’’ (item 5).
4. (Figure 3) Connect the rear bracket (item 2) to the rear subframe (item 1) using the 4 hex bolts 3/8” NC x 1 ¼” (item 6), the lock washers 3/8” (item 7) and the nylon insert hex locknuts 3/8” NC (item 8). Use the appropriate existing holes on the snowblower subframe (item 1) and on the rear bracket (item 2).
5. (Figure 3) Tighten the bolts and the nylon insert hex locknuts 3/8” NC (item 9).
6. (Figure 4) Pull or push the male pin (item 4) in order to get at least 8” between the pin end and the front of the ATV (including the winch).

Figure 3 :



ASSEMBLY

Figure 4 :



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ASSEMBLY

Determination of the front support location (figures 5a-5b) :

(For all ATV models except CANAM)

1. Locate the frame tubes at the front of the ATV. Most ATVs have this type of structure.

2. Insert a U-bolt (item 2) on the left and right ATV tubes. Note: for some ATV models, a plastic or metal guard may make the access to the tubes impossible. In this case, to reach the tubes, you will have to drill a ½" hole on the guard on each side of both tubes. Before making these holes, you will have to place the front support (item 1) against the location that you have decided and check if it will be possible to install the front brackets (item 3) on the front holes of the subframe (item 4). Should this be impossible, change the location of the front support, if possible. **Note : there are two ways to install the front support, see item 1a and item 1b of figure 8a.** You may also slightly move the sub frame frontwards (item 4) to make the assembly possible.

   Note : it is not necessary that the T-pin ¾" x 3 9/16" (figure 5b, item 5) in the front brackets (figure 5b, item 3) be at the center of the oblong hole. However, there must be a minimum of 3/8" clearance between the ends of the oblong holes and the side of the T-pin ¾" x 3 9/16" (figure 5b, item 5). See figure 5b.

3. Once the location of the front support has been determined (item 1), position the front subframe and make a mark with a marker pen at the intersection of the 2 subframes (figure 4, item 5) and at the place where the front support (item 1) will be installed.

Figure 5a :

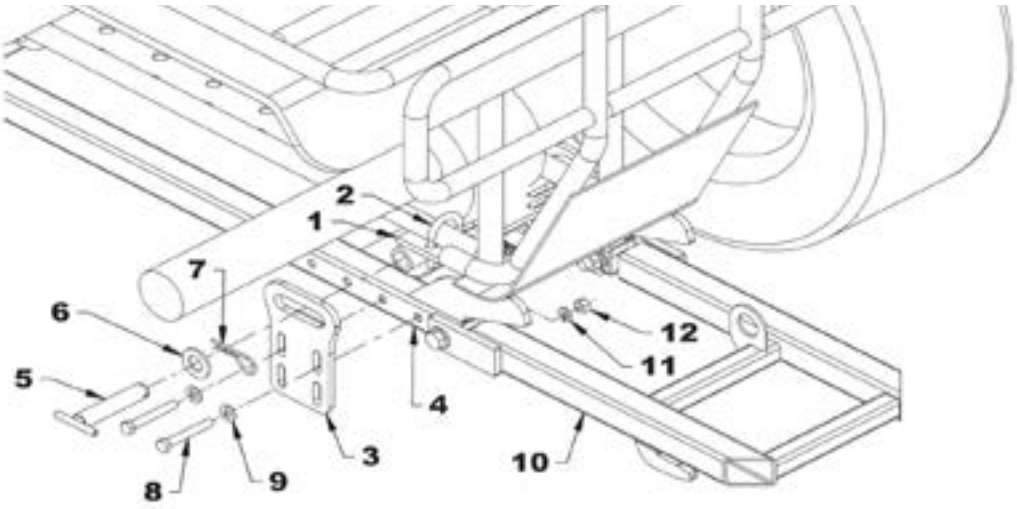
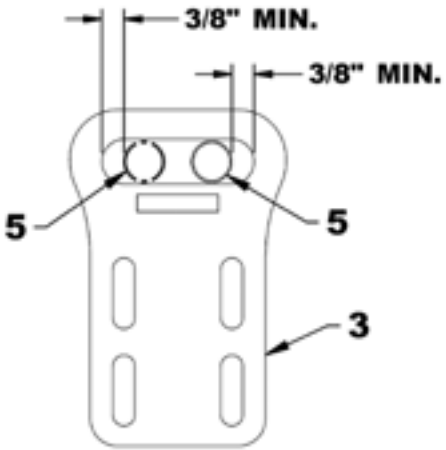


Figure 5b :



ASSEMBLY

Determination of the front support location (figure 5c) :

(For CANAM ATV models only)

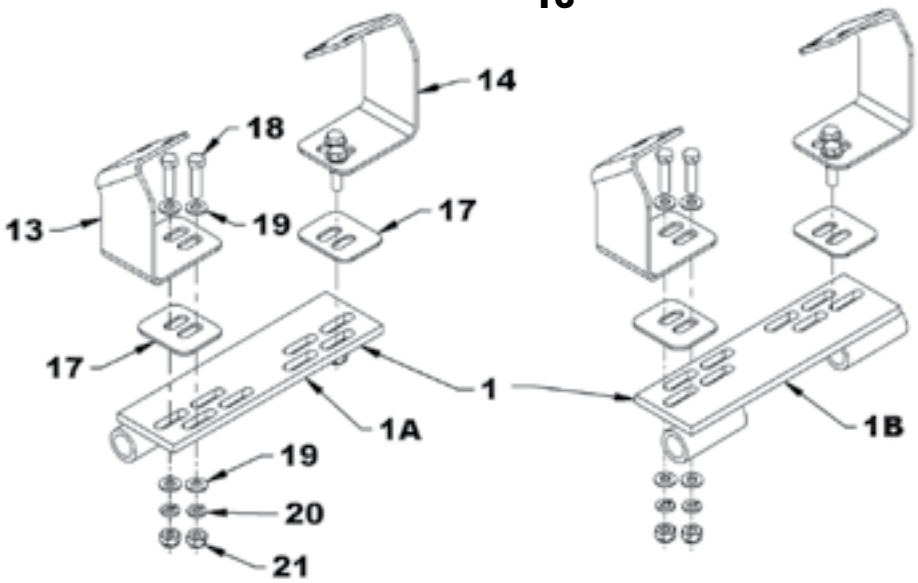
1. Fix the 2 bent supports (items 13 and 14) to the anchorage points under the ATV front lower guard (see figure 5c) using the ATV bolts (item 15 and 16).
2. Place the front support (item 1) where it will be installed on the 2 bent supports (items 13 and 14) for CANAM ATV.

   Note : there are 2 ways to install the front support, see item 1a and item 1b of figure 5d. Then check if the position of the front subframe (item 1) allows the installation of the front brackets (fig. 5a, item 3) on the front holes of the front subframe (fig. 5a, item 4). It this is not possible, slightly move the subframe frontwards (fig. 5a, item 4) to make the assembly possible.

   Note : it is not necessary that the T-pin ¾" x 3 9/16" (figure 5b, item 5) in the front brackets (figure 5b, item 3) be at the center of the oblong hole. However, there must be a minimum of 3/8" clearance between the ends of the oblong holes and the side of the T-pin ¾" x 3 9/16" (figure 5b, item 5). See figure 5b.
3. Once the location of the front support determined (item 1), and the front subframe correctly positioned, make a mark with a marker pen at the intersection of the 2 subframes (figure 4, item 5)and at the location where the front support will be installed (item 1).

Figure 5c :

Figure 5d :



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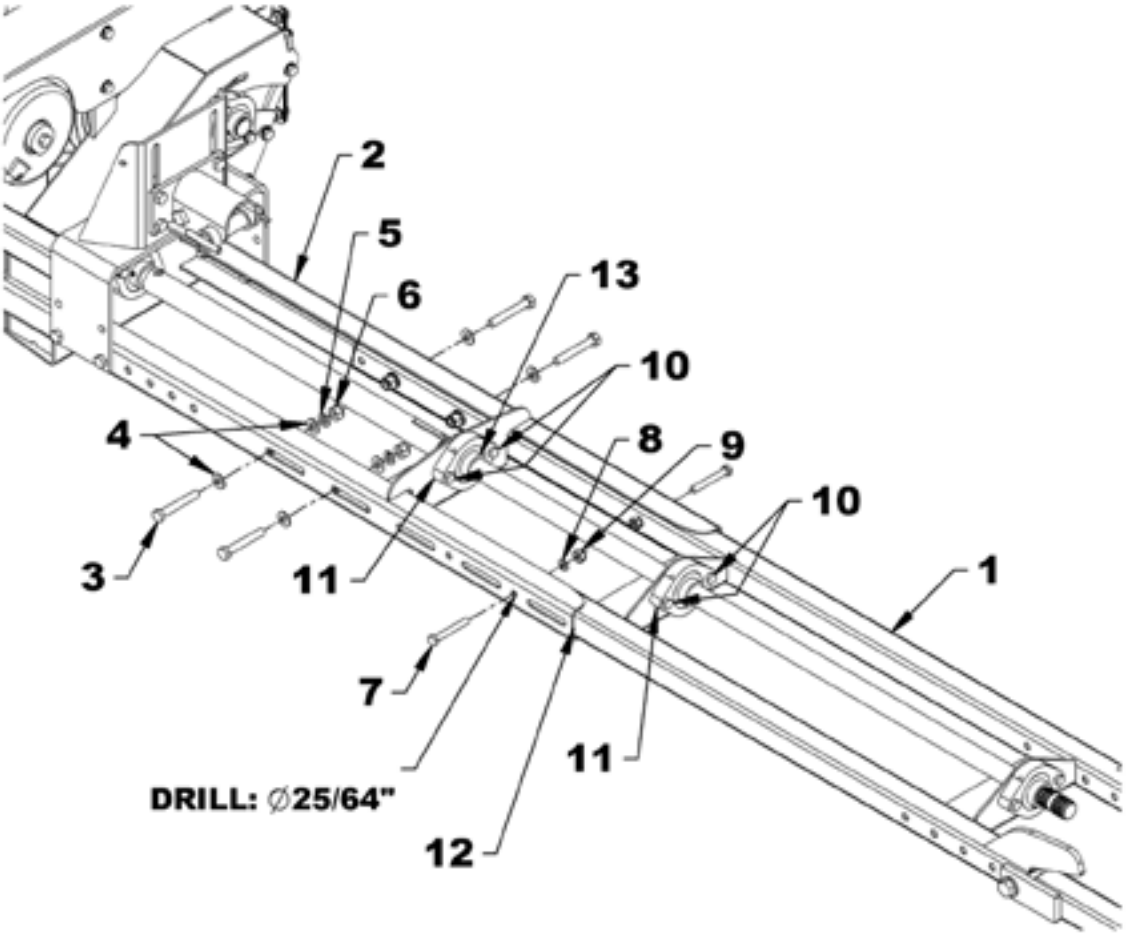
ASSEMBLY

Connection of the rear subframe with the front subframe (figures 3-4 and 6):

1. Remove the 2 blocks (figure 4, items 2 and 3) located under the snowblower subframe and remove the T-pin ¾" x 3 9/16" (figure 3, item 4) and remove the R-clip 1/8 " x 2 ½" (figure 3, item 5). Then put the subframe on the ground.
2. Move the ATV forwards, in order to clear the subframe.
3. (Figure 6) Make sure that the mark previously drawn (item 12) is located at the intersection of the front subframe (item 1) and the rear subframe (item 2). Secure them using the 4 hex bolts 3/8" NC x 2 ½" (item 3), the flat washers 3/8" (item 4), the locknuts (item 5) and the hex nuts 3/8" NC (item 6).
4. (Figure 6) Using a 25/64" drill, make a hole at each side, through the 2 subframes . Secure with the 2 hex bolts 3/8"NC x 2 1/2" (item 7), the lock washers 3/8" (item 8) and the hex nuts 3/8" NC (item 9).This assembly will prevent the 2 subframes from sliding on the oblong holes when operating the snowblower.
5. (Figure 6) Next tighten the bolts (item 10) of the 2 bearings (item 11) on the rear subframe. Remove the 2 allen screws (item 13) from the bearing (item 11) on the rear subframe only. Apply some thread scellant on the threads et re-install them on the bearings. Tighten securely.

Figure 6 :

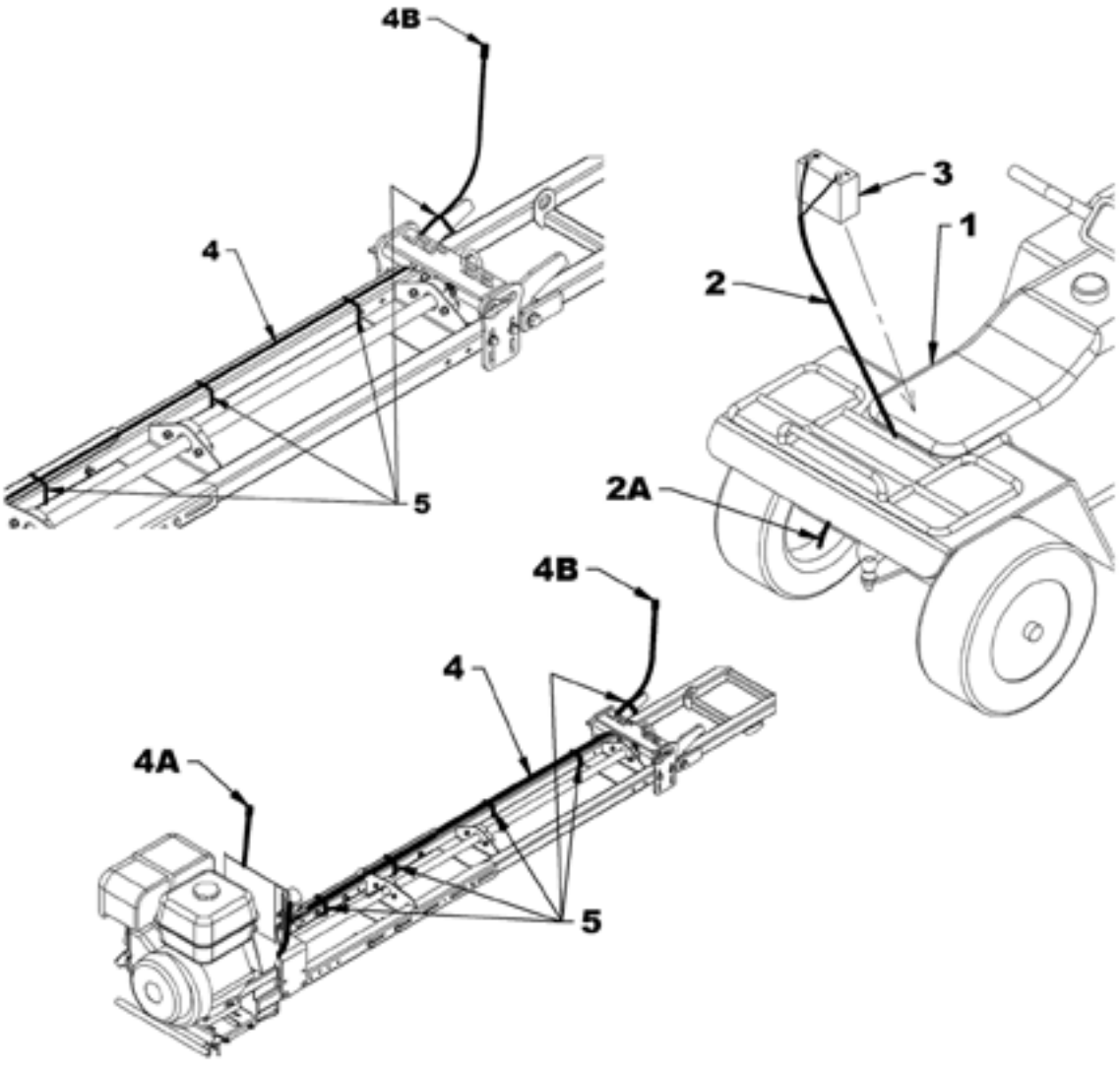


ASSEMBLY

Installation of the electric wires on the subframe (figure 7) :

1. In general, the ATV batttery is located under the seat (item 1). Remove the seat and connect the wires (item 2) to the battery (item 3).
2. Insert the wire inside the ATV at a secure place and let about 5” exceeding from the wire connection (item 2A) at the back of the ATV. Secure the wire with nylon tie-wraps.
3. Place the second wire (item 4) along the subframe and use nylon tie-wraps (item 5) to secure it where required.
4. Once the subframe installed under the ATV, you will link connection 2A with connection 4A.

Figure 7 :



GRIPO®

ASSEMBLY

Installation of the front support (figure 8a) :

(For all ATV models, except CANAM)

1. For some ATV models, and if necessary, make a ½" hole in the guard at each side of both ATV frame tubes.
2. Next, fix the front support (item 1) under the front part of the ATV (item 2) using the 2 U-bolts 5/16" NC (item 3), the flat washers 5/16" (item 4), the lock washers 5/16" (item 5) and the hex nuts 5/16" NC (item 6).
   Note : there are 2 ways to install the front support (item 1), see item 1A and item 1B of figure 8a.

Installation of the front support (figure 8b) :

(For CANAM ATV models only)

1. Fix the front support (item 1) on the 2 bent supports (items 13 and 14) previously installed, using the 4 hex bolts 5/16" NC x 1 ¼" (item 18), the 8 flat washers 5/16" (item 19), the 2 spacers (item 17), the 4 lock washers 5/16" (item 20), and the 4 nylon insert hex locknuts 5/16" NC (item 21).

Figure 8a :

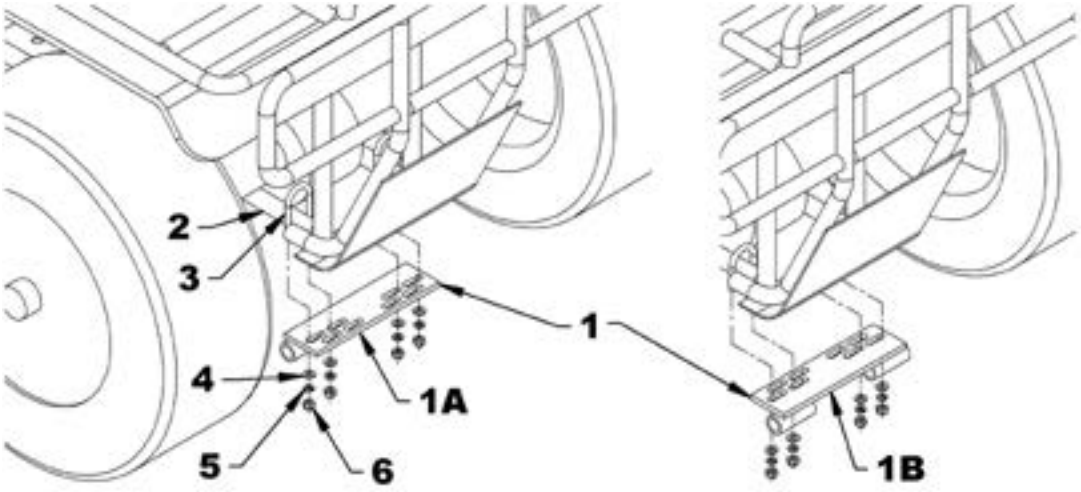
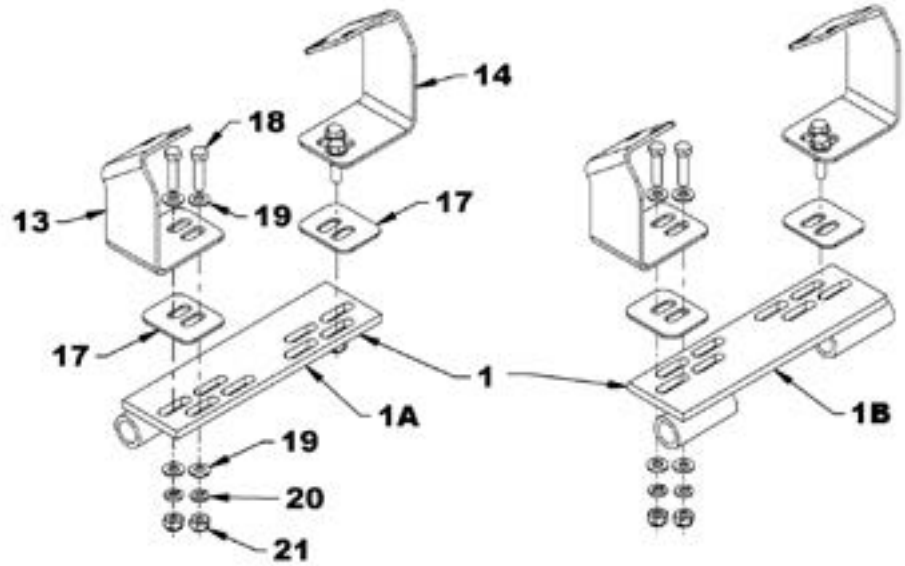


Figure 8b :

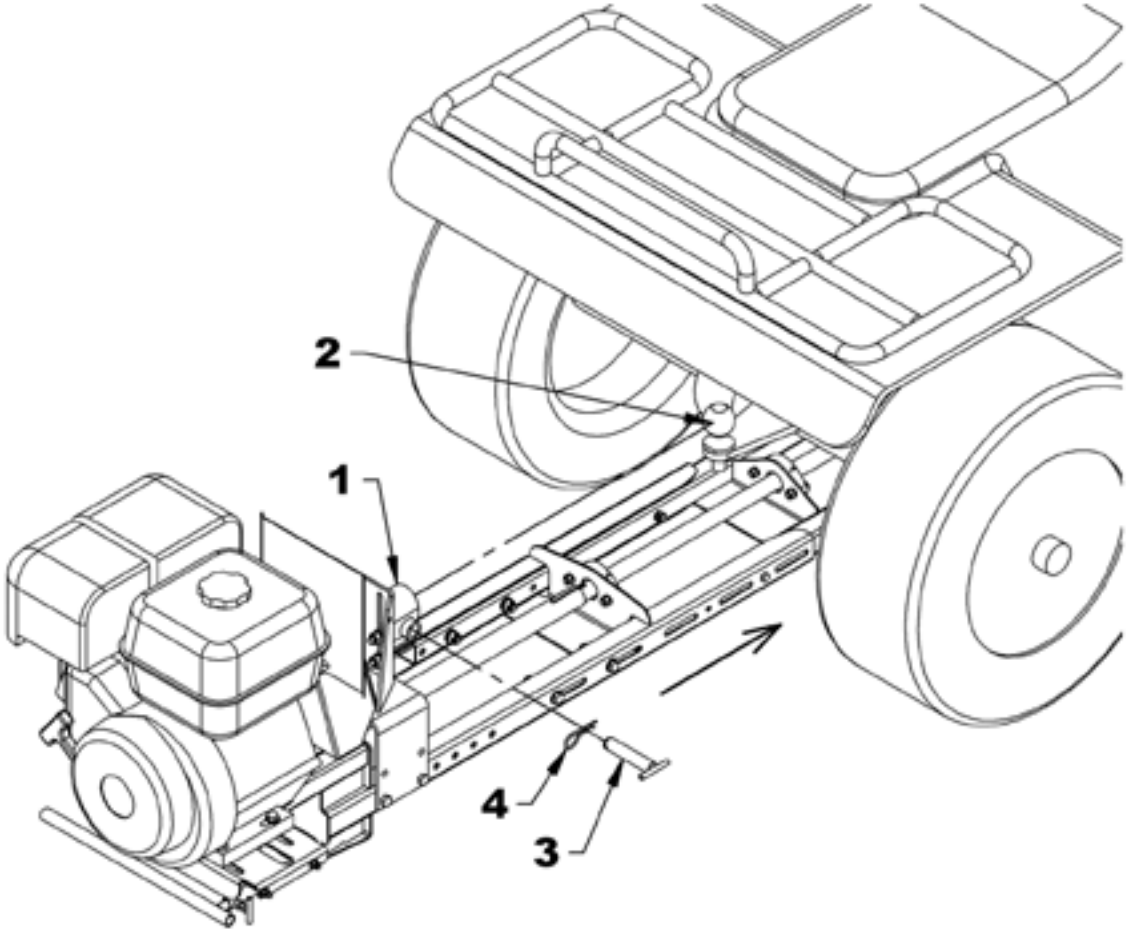


ASSEMBLY

Installation of the rear part of the subframe under the ATV (figure 9) :

1. Slide the subframe assembly under the ATV again.
2. Link the subframe rear bracket (item 1) to the trailer hitch ball (item 2) using a T-pin ¾” x 3 9/16” (item 3) and the R-clip 1/8” x 2 ½” (item 4).

Figure 9 :



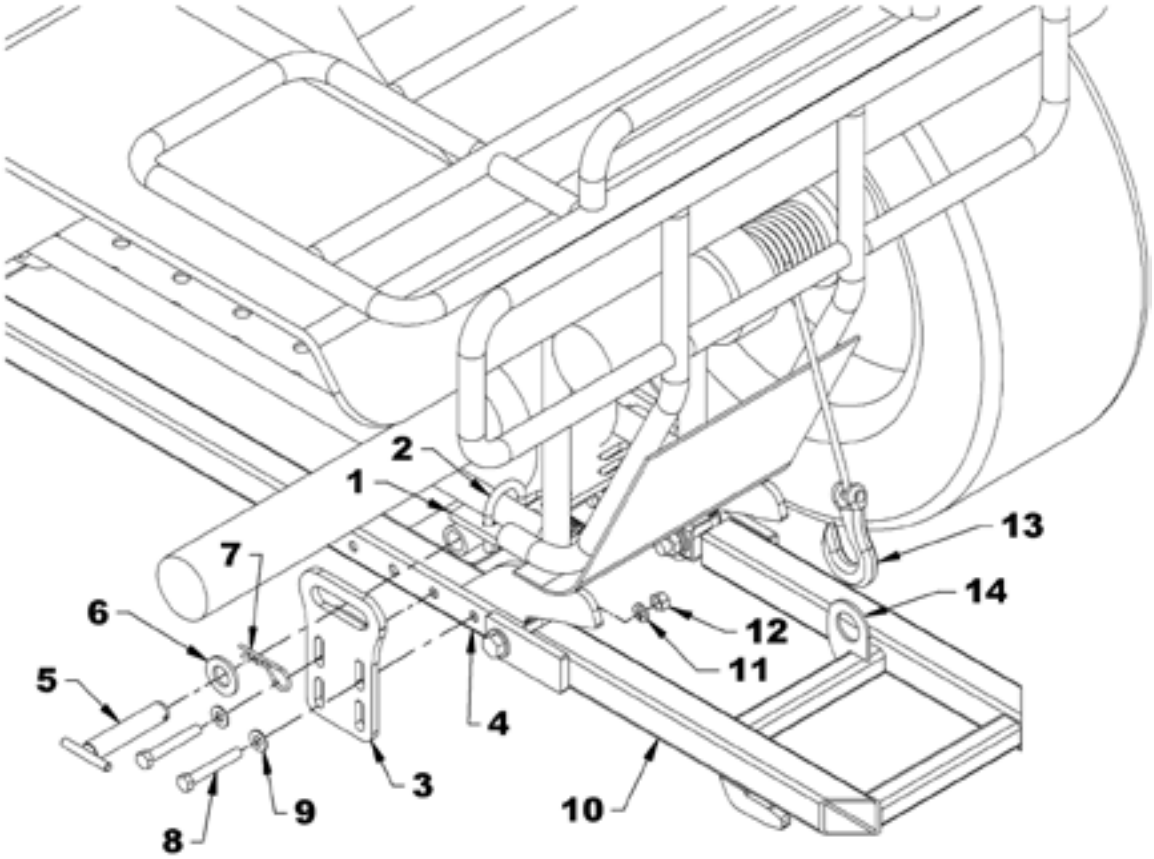
GRIPO®

ASSEMBLY

Installation of the front part of the subframe under the ATV (figure 10):

1. Put a wood block (figure 4, item 3) under the front subframe in order to have it parallel to the ground.
2. (Figure 10) Install the front brackets (item 3) on the front subframe (item 1) using the 2 T-pin 3/4" x 3 9/16" (item 5), the 2 flat washers ¾" (item 6) and the 2 R-clips 1/8" x 2 ½" (item 7). Link the front brackets (item 3) to the front subframe (item 4) using the 4 hex bolts 3/8" NC x 2 ½" (item 8), the 4 flat washers 3/8" (item 9), the 4 lock washers 3/8" (item 11) and the 4 hex nuts 3/8" NC (item 12). Make sure to keep about 1" clearance between the ATV frame and the snowblower subframe. **Reminder: it is not necessary that the T-pin ¾" x 3 9/16" (item 5) in the front brackets (item 3) be at the center of the oblong hole.** However, there must be a minimum of 3/8" clearance between the ends of the oblong holes and the side of the T-pin ¾" x 3 9/16" (item 5). See figure 5b.
3. Remove the wood block under the subframe.
4. Temporarily attach the winch hook (item 13) to the perforated plate of the male bracket (item 14) and, using the winch, lift the bracket until it is parallel to the ground.

Figure 10 :

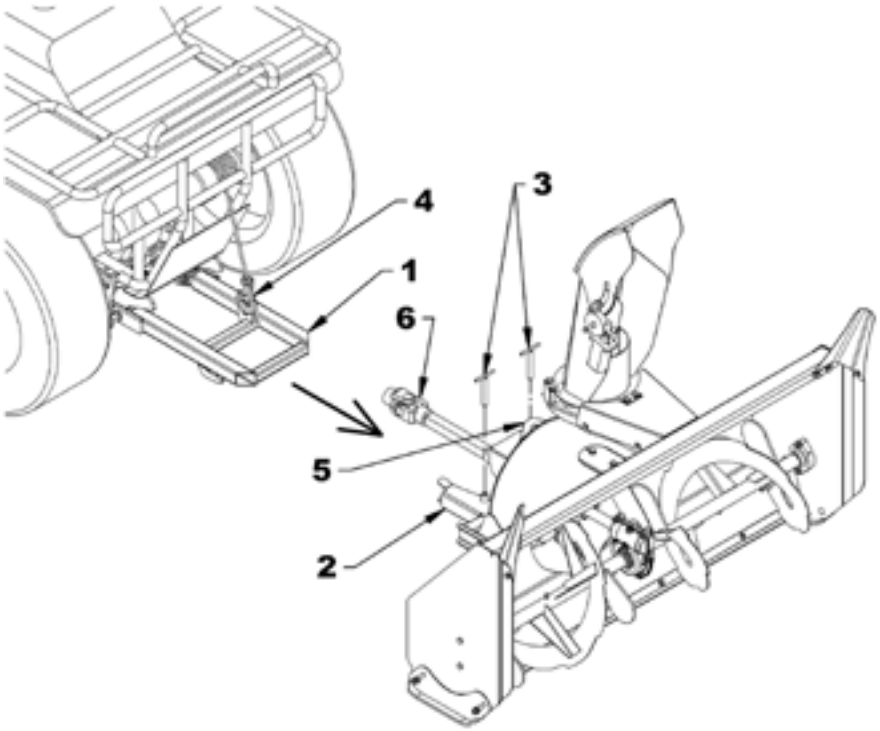


ASSEMBLY

Attaching the snowblower to the ATV subframe (figures 11a-11b-11c-11d):

1. Remove the T-pins (item 3) from snowblower female bracket (item 2).
2. Move the ATV forward and insert the male bracket (item 1) into the female bracket (item 2). When performing next installations, you will only have to insert the male bracket (item 1) into the female bracket (item 2) at 1/3 only. However, the initial installation requires to completely insert the male bracket into the female bracket.
3. Loosen the 4 bolts (figure 11b- item 7) holding the female bracket to the snowblower a couple of turns and use a square to place the back of the snowblower at 90° from the ground. Tighten the 4 bolts of the female bracket firmly.
4. Remove the winch hook (figure 11a, item 4) from the male bracket (item 1) and install it on the ring at the back of the snowblower (item 5).
5. Using the winch, lift the snowblower. This operation will complete the insertion of the female bracket (item 2) inside the male bracket (item 1).
6. Insert the 2 T-pins (item 3) into the female bracket bushings (item 2).
7. Attach the universal joint shaft (figure 11c, item 6) to the subframe transmission shaft (figure 11c, item 8). **Important: Make sure the universal joint shaft is correctly installed. To attach the universal joint shaft, you must move the yoke collar backwards while inserting the yoke into the transmission shaft. In order to have the yoke properly installed, the collar must take its initial position.**
8. (Figure 11d) Assemble the wire electric connector of the subframe (item 9) to the snowblower wire connector (item 10) and move the electric control box (item 11) towards the ATV seat.

Figure 11a :



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ASSEMBLY

Figure 11b :

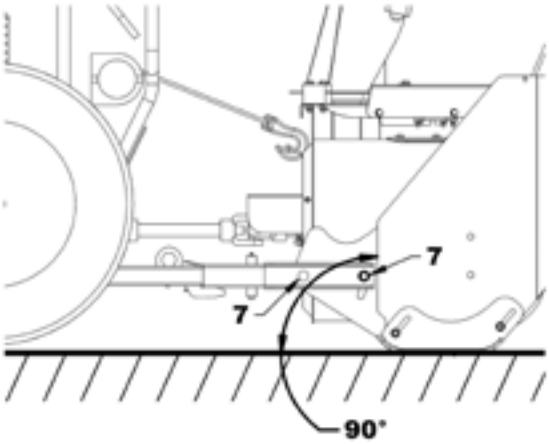


Figure 11c :

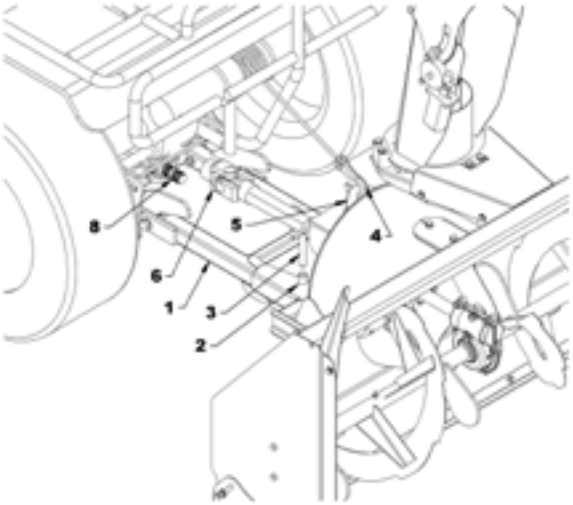
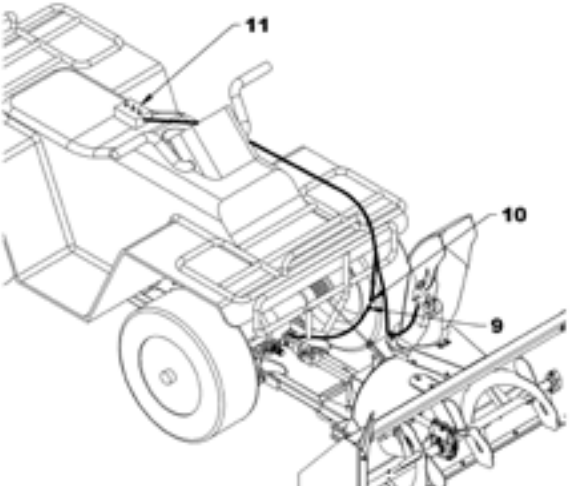


Figure 11d :

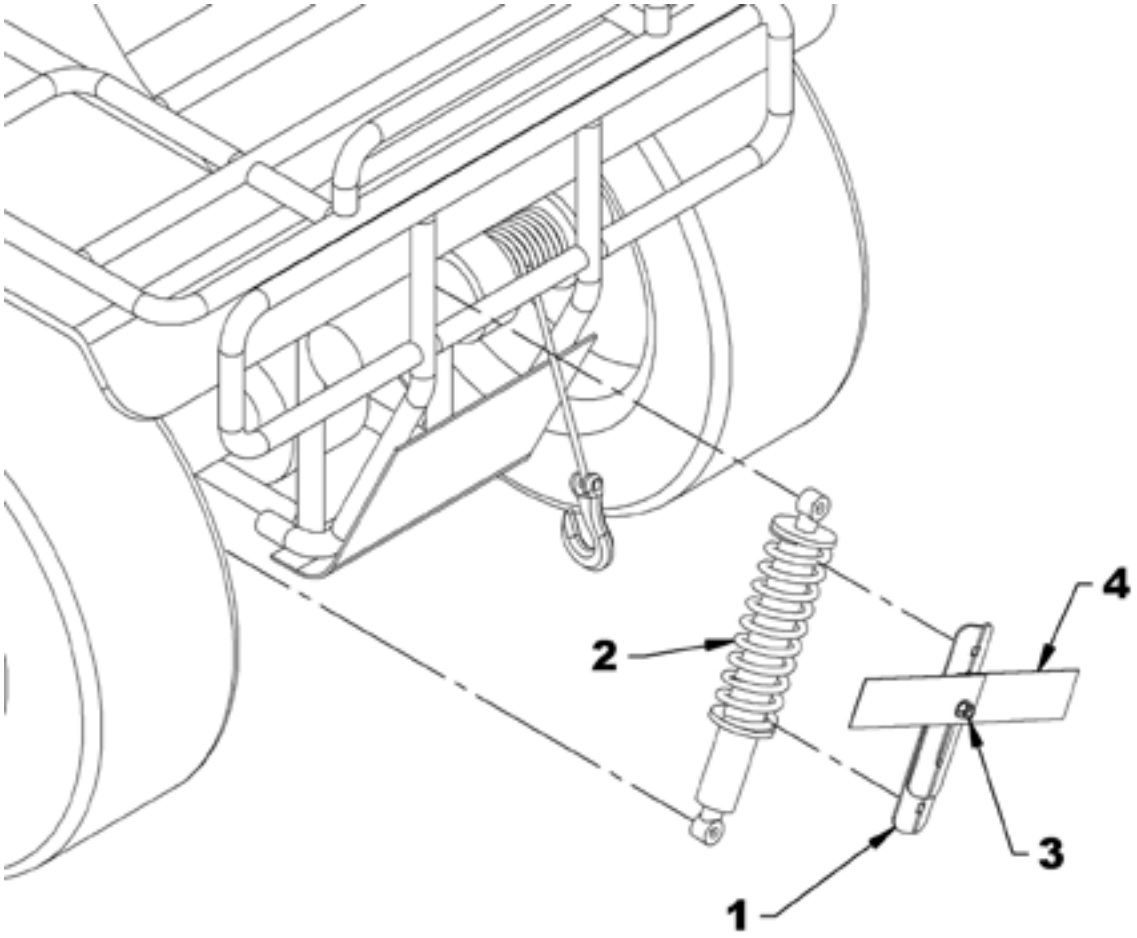


Installation of shock absorber limit stops. OPTIONAL (figure 12):

NOTE: Shock absorbers limit stops are optional. They allow to limit the downwards movement of the ATV when you lift the snowblower, they allow a larger clearance between the ground and the bottom of the front subframe, and they also allow the snowblower to lift higher from the ground.

1. Insert the shock absorber limit stops slots (item 1) into the front shock absorber spiral (item 2). Extend the limit (item 1) in order that the slots are properly anchored to the shock absorber spiral. Tighten the nylon insert hex nut (item 3).
2. Wrap the velcro (item 4) around the shock absorber spiral (item 2).
3. Repeat the same procedure for the second front shock absorber.

Figure 12 :



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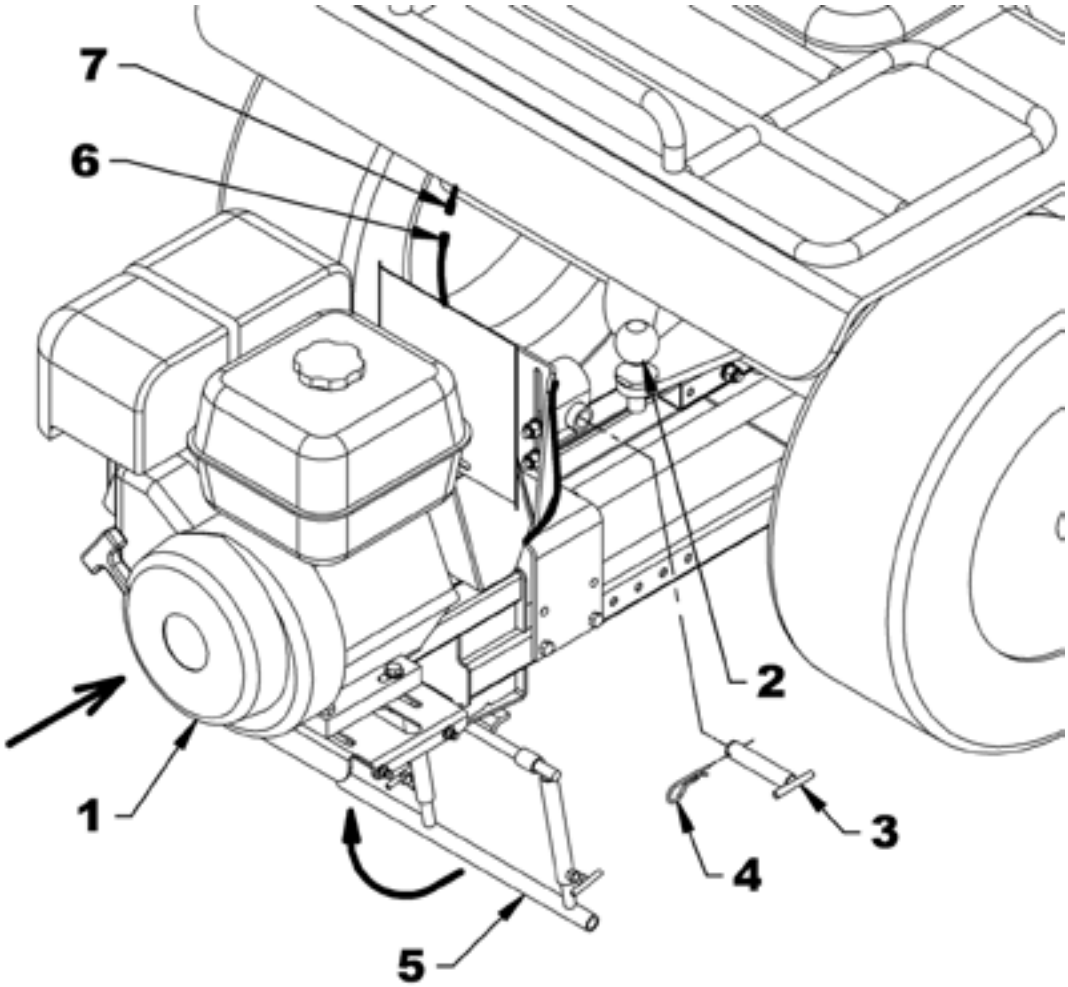
ASSEMBLY

Rear section assembly (figure 15) :

1. Back up the ATV and move the ATV hitch ball (item 2) towards the rear bracket of the subframe (item 8).
2. Press the parking leg base (item 5) with your foot (if necessary) while moving the engine and the subframe (item 1) frontwards. The rear subframe will then easily position itself on the ATV hitch ball.
3. Gently withdraw your foot from the parking leg and rotate it backwards.
4. Insert the T-pin ¾" x 3 9/16" (item 3) and attach the R-clip 1/8" x 2 ½" (item 4) to the rear bracket of the frame (item 8).
5. Connect the electric wiring (item 6 and 7).

Figure 15 :

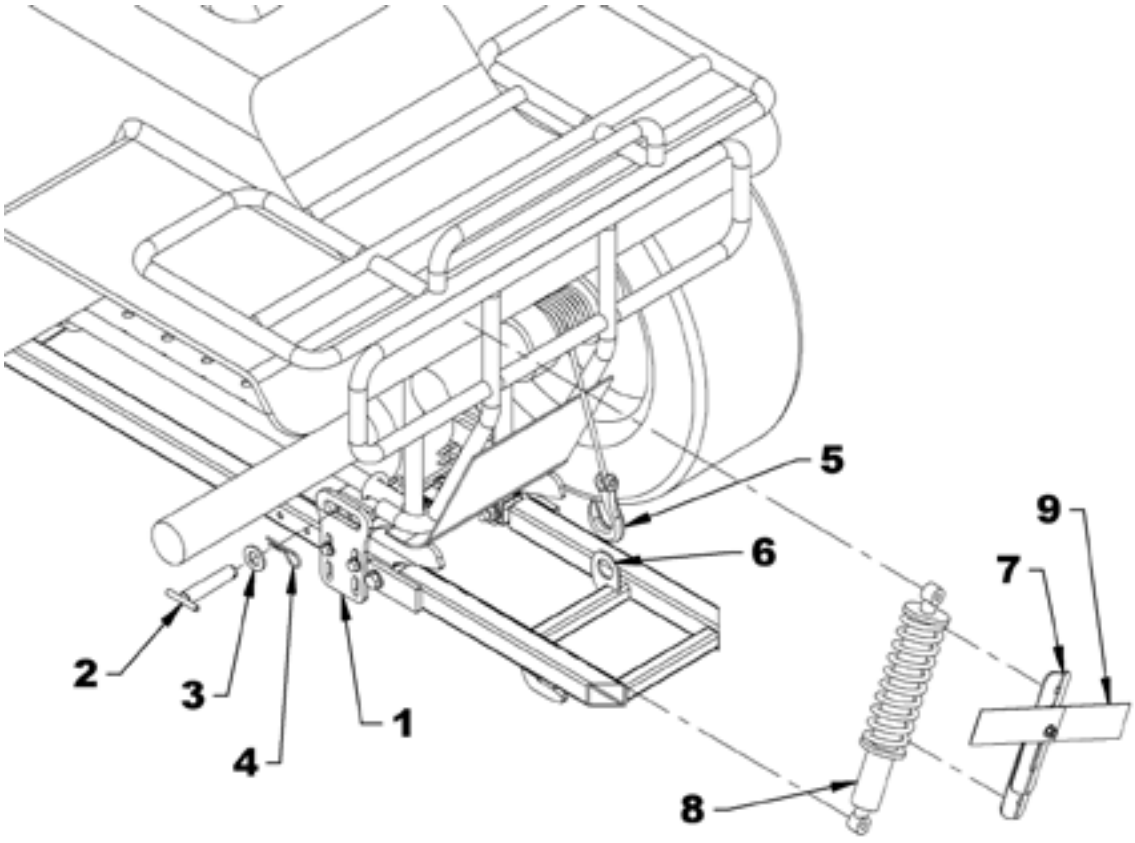


ASSEMBLY

Front section of the subframe assembly (figure 16) :

1. Attach the 2 front brackets (item 1) using the 2 T-pins ¾" x 3 9/16" (item 2), the 2 flat washers ¾" (item 3) and the 2 R-clips 1/8" x 2 ½" (item 4).
2. Temporarily attach the winch hook (item 5) to the perforated bracket (item 6) of the male bracket (item 6) and lift the bracket with the winch until it is parallel to the ground.
3. **OPTIONAL** - If applicable, attach the 2 shock absorber limit stops (item 7) by slightly lifting the front part of the ATV while installing the shock absorber limit stops (item 7) on the front shock absorber spirals (item 8).
4. **OPTIONAL** - Wrap the Velcro (item 9) in order to fasten it around the shock absorber spiral (item 8).

Figure 16 :

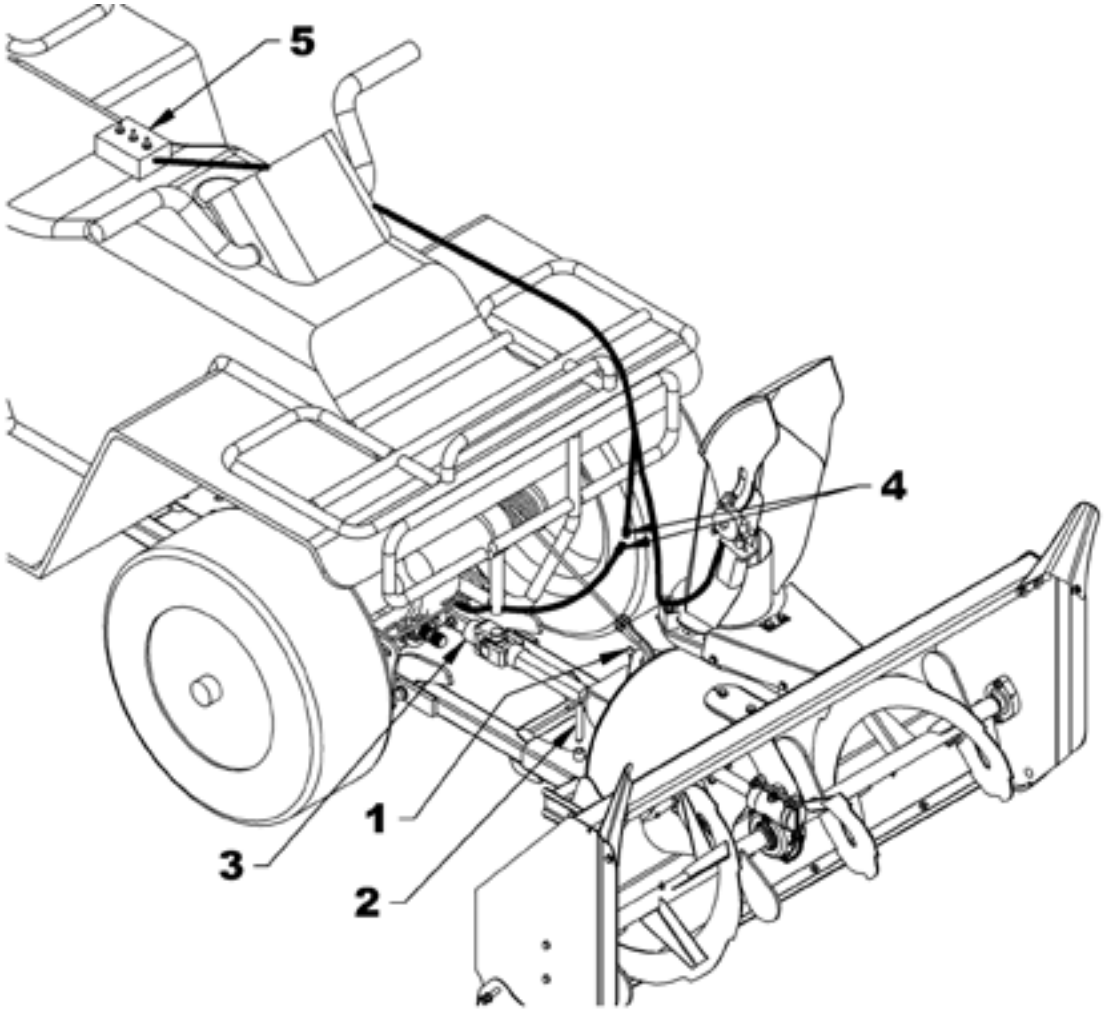


ASSEMBLY

Snowblower assembly (figure 17) :

1. Move the ATV forwards and insert the male bracket of the subframe into the female bracket, for at least 1/3 of the bracket.
2. Attach the winch hook (item 1) to the ring located at the back of the snowblower.
3. Lift the snowblower using the winch. This operation will complete the insertion of the male bracket into the female bracket.
4. Insert the 2 T-pins (item 2) into the female bracket.
5. Attach the universal joint shaft (item 3) to the subframe transmission shaft . **Important: Make sure the universal joint shaft is correctly installed. To attach the universal joint shaft, you must move the yoke collar backwards while inserting the yoke into the transmission shaft. In order to have the yoke properly installed, the collar must take its initial position.**
6. Attach the electric connectors (item 4) and move the electric control box (item 5) towards ATV seat.

Figure 17 :



MAINTENANCE AND DISASSEMBLING

Disassembling of the front section (figures 13a-13b) :

1. Put the ATV and the snowblower on a level surface and, using the winch, lower the snowblower to the ground.
2. Remove the hook (item 1) from the ring located at the back of the snowblower.
3. Remove the 2 T-pins (item 2) from the female bracket.
4. Disconnect the universal joint shaft (item 3).
5. Disconnect the electric connexion (item 4).
6. Move the electric control box (item 5) and put it on the snowblower in order to release it from the ATV.
7. Detach the snowblower from the subframe by pulling on the snowblower or by backing up the ATV.
8. (Figure 13b) Remove the 2 R-clips 1/8" x 2 ½" (item 6), the 2 T-pins ¾" x 3 9/16" (item 7), and the 2 flat washers ¾" (item 8) from the 2 front brackets (item 9).
9. **OPTIONAL** - If applicable, remove the 2 shock absorber limit stops by unwrapping the Velcro (figure 12, item 4) and by slightly lifting the front part of the ATV while inserting the shock absorber limit stops (figure 12, item 1).

Figure 13a :

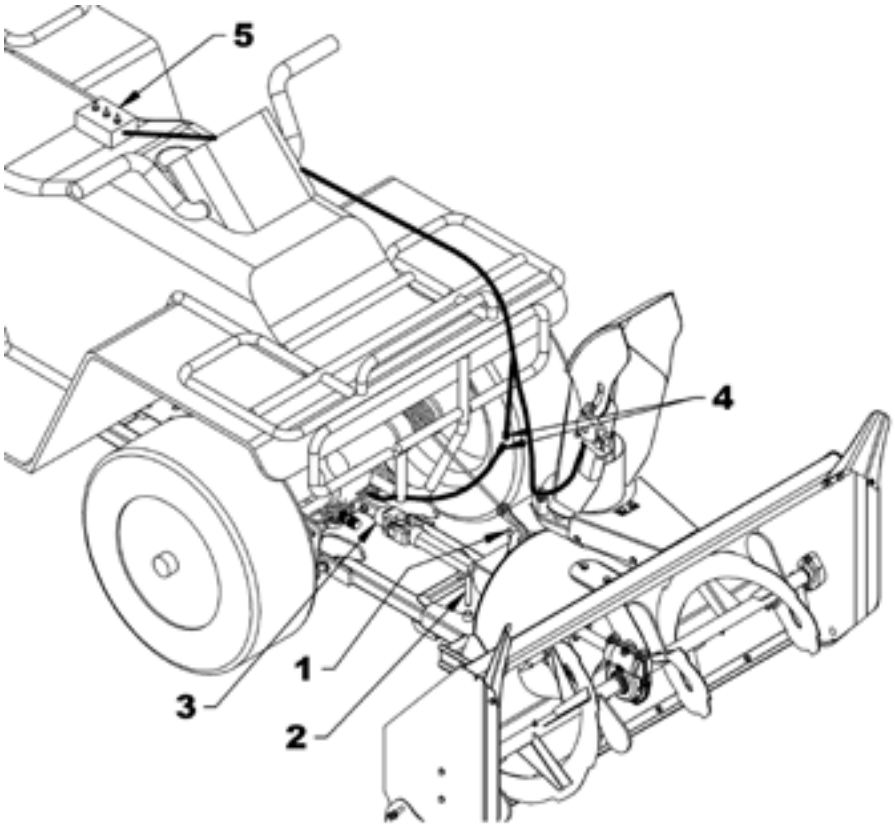
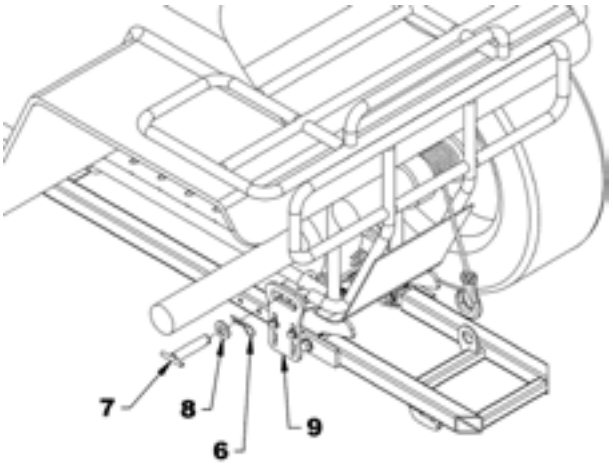


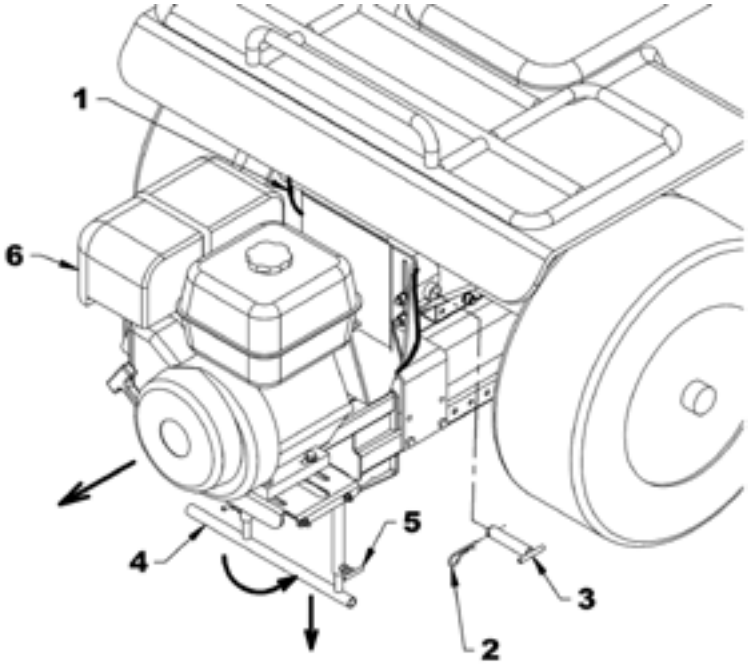
Figure 13b :



Disassembling of the rear section (figure 14) :

1. Disconnect the electric connexion (item 1).
2. Remove the R-clip 1/8" x 2 ½" (item 2) and the T-pin ¾" x 3 9/16" (item 3) from the rear bracket of the subframe.
3. Move the parking leg (item 4) downwards and adjust its length using the 2 adjusting bolts (item 5) so that it rests firmly on the ground.
4. Using your foot, press the parking leg base while moving the engine and the subframe (item 6) backwards. The rear subframe will then be removed from the ATV hitch ball and the parking leg will block.

Figure 14 :



MAINTENANCE AND DISASSEMBLING

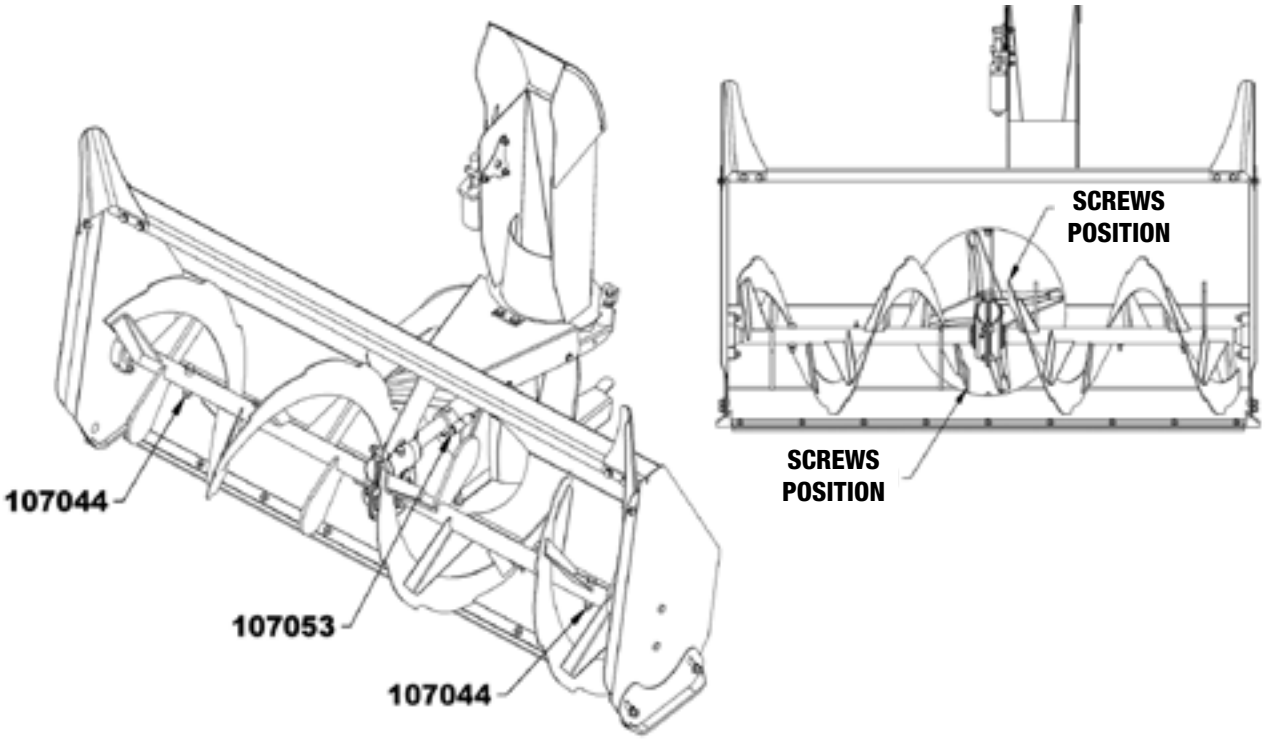
Replacement of the snowblower shear bolts (figure 19):

IMPORTANT: Always use recommended shear bolts. Not using the right shear bolts may cause severe damage to your snowblower. The shear bolt for the 2 screws is part number 107044 and the one for the fan is 107053 . Make sure the 2 screws are repositioned as illustrated at figure 19.

IMPORTANT: Before replacing a shear bolt, stop the snowblower engine and the ATV engine, and disconnect the spark plugs and keep the wire away from the spark plugs to prevent accidental starting. Remove the extra snow and make sure there is no debris stuck between the components. The screws and the fan must turn freely before reinstalling the new shear bolt. The snow inside the chute must be removed.

IMPORTANT: Tighten the shear bolts moderatetly. Shear pins that are too tightened might last much less longer.

Figure 19 :

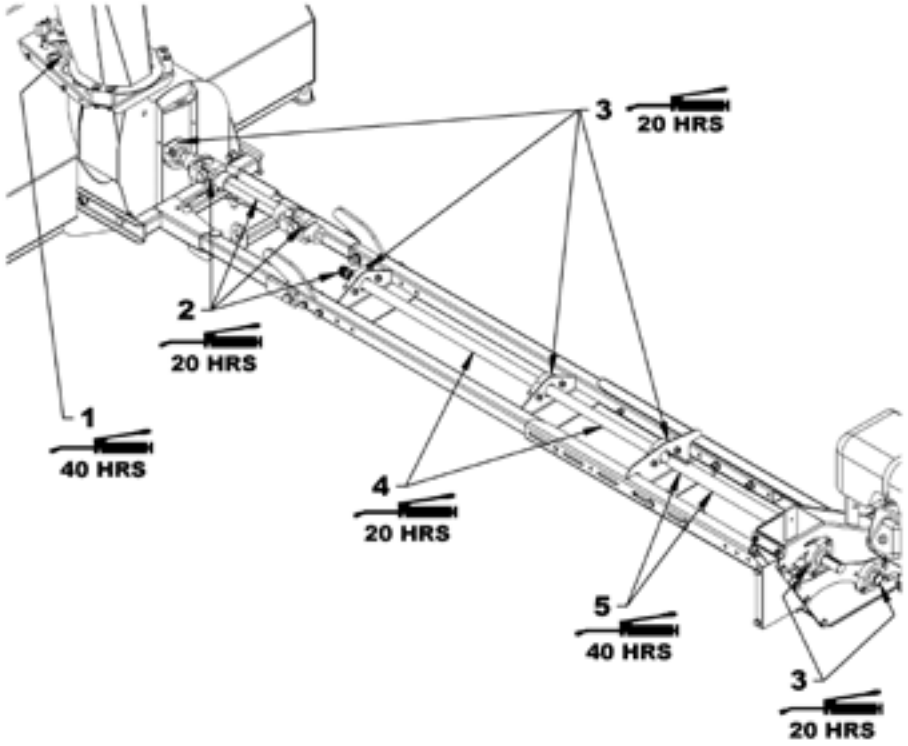


Lubrication of the snowblower components (figures 20a-20b-20c) :

Important: Each year, when storing the unit , perform every lubrication steps listed below at least one time.

1. Grease along the chute rotation chain (item 1) every 40 operating hours.
2. Insert some grease into each grease fittings of the universal joint shaft (item 2) and into the the transmission shaft groove (item 2) as well every 20 operating hours.
3. Insert some grease into each grease fittings of all snowblower bearings (item 3) every 20 operating hours.
   Note: there is a total of 10 bearings on the components of the subframe and the snowblower.
4. Apply some grease or some anti-corrosion product on the snowblower universal joint shaft (item 4) every 20 operating hours.
5. Insert some grease into each grease fittings of the female shaft (item 5) every 40 operating hours.
6. Insert some grease into each grease fittings of the snowblower screws (figure 20b,item 6) every 40 operating hours.
7. (Figure 20c) Check the oil level of the snowblower gear box (item 7) every 40 operating hours and replace it every 100 operating hours. The oil level must be at the level of the cap (item 7a) when the snowblower is flat on the ground. To replace oil, remove the vent (item 7b) and the cap (item 7c). To add new oil, screw the cap (item 7c) and remove the cap (item 7a). Add oil up to the cap (item 7a). Use gear oil SAE 80W90 or the equivalent.
8. Regarding the maintenance of the snowblower gas engine, refer to Honda's engine manual.
9. (Figure 20d) In order to facilitate the insertion of the male bracket inside the female bracket (item 8) of the snowblower, you may apply, if needed, a clean lubricant inside the female bracket (item 8) of the snowblower.

Figure 20a



MAINTENANCE AND DISASSEMBLING

Figure 20b

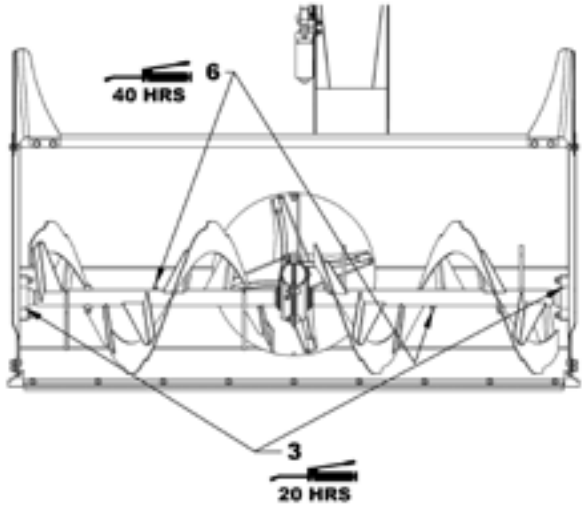


Figure 20c

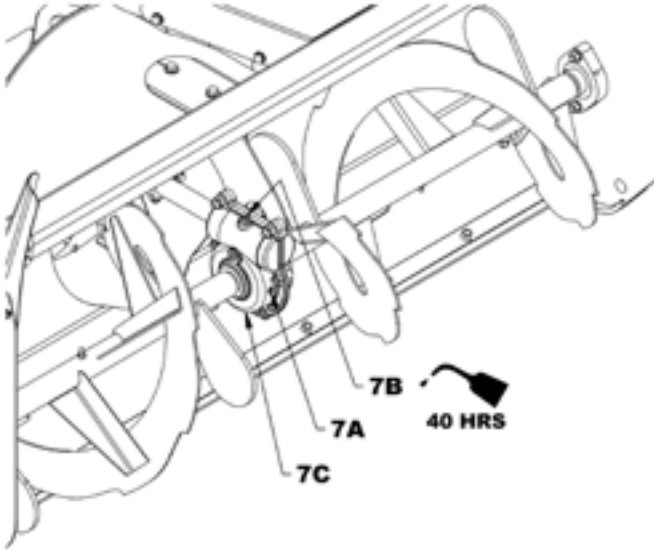
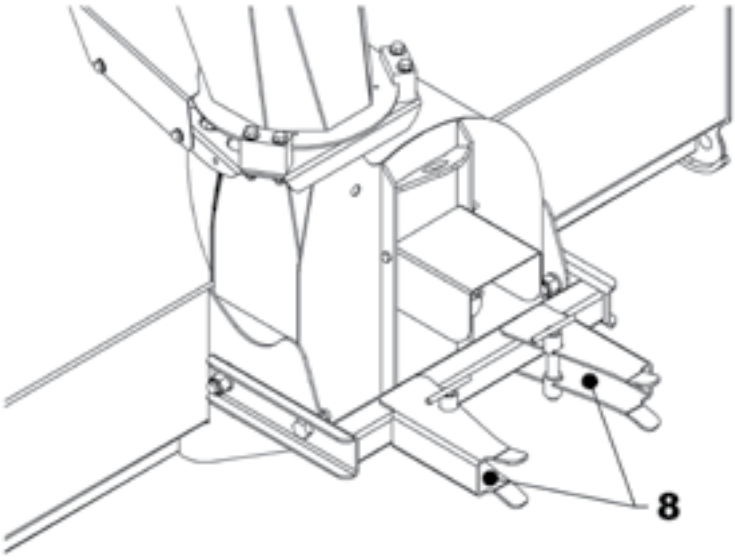


Figure 20d



Belt tension adjustment :

Important: Belts adjustment is necessary when they slip.

Important: Make sure that all moving parts have stopped. Disconnect wire from the spark plug(s) and keep the wire away to prevent accidental starting.

In general, belts slip when the engine runs at full speed (and not really overworks) and when the snow throwing distance is greatly reduced (between 5 and 10 feet).

During the first 8 operating hours, the belts will adjust. It is normal that they extend slightly, so they may occasionally slip.

However, make sure the belts are not in contact with the snow, because this could cause the belts to slip. Thus, it is important that all protection guards be in place when the snowblower runs in order to prevent the snow from reaching the belts. Be also careful when backing up with the snowblower and not hit a snowbank.

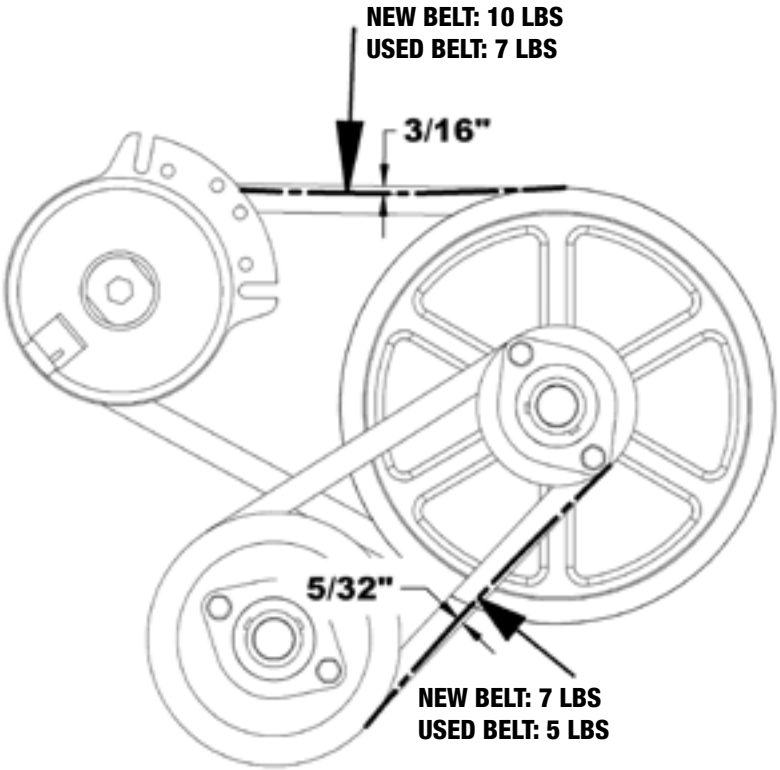
Check the belts adjustment after the first 8 operating hours and afterwards, every 40 operating hours or as needed.

Adjustement procedure :

1. Remove the belt guard from the rear subframe.

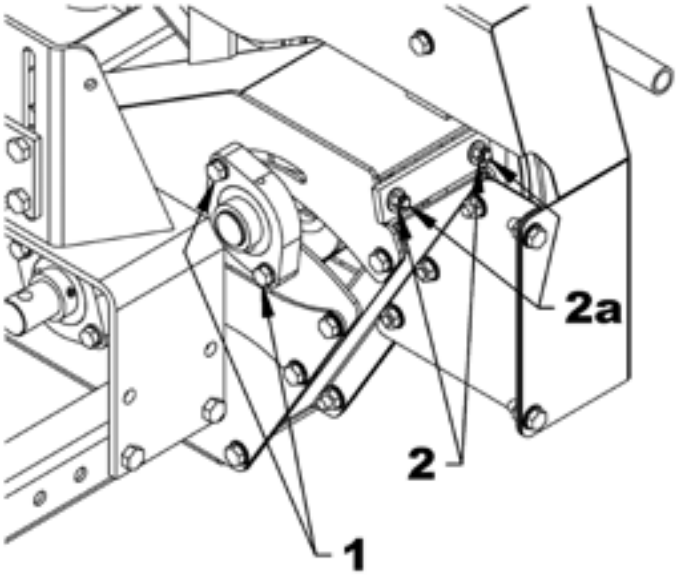
2. (Figure 21a) Measure the belts tension by applying a charge at half distance between the 2 pulleys and by measuring the belt deflection. For simple pulleys belt, the force applied must be of 10 lbs for a new belt and 7 lbs for a used belt (minimum 2 hours) and the measured deflection must be of 3/16”. For double pulleys belt, the force applied must me of 7 lbs for a new belt and 5 lbs for a used belt and the measured deflection must be of 5/32”. If different, perform the necessary adjustments.

Figure 21a :



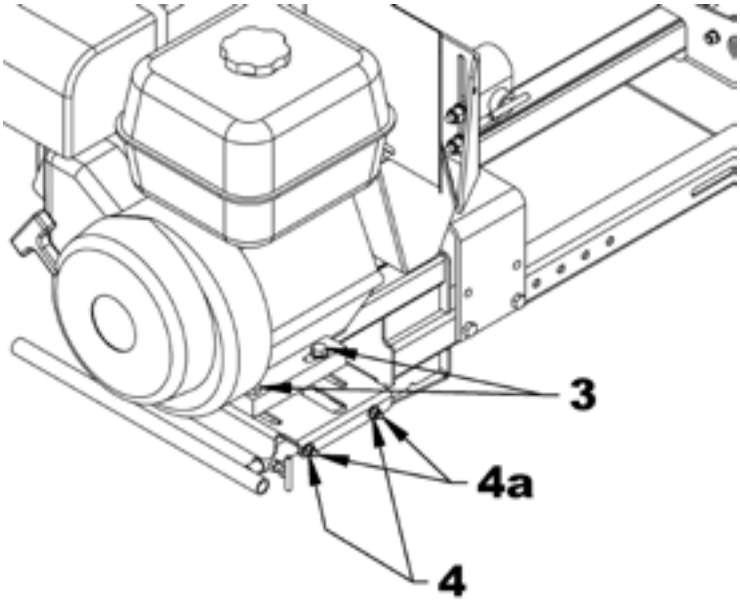
3. (Figure 21b) Start the belts adjustment of the double pulleys. Unscrew the bolts (item 1) of the 2 bearings and screw equally the 2 adjusting nuts (item 2). The exceeding measures of each of the 2 threaded rods (item 2a) should be equal. Once the belt adjusted, firmly tighten the bolts (item 1) of the 2 bearings.

Figure 21b :



4. (Figure 21c). Next adjust the simple pulleys belt. Unscrew the 4 bolts (item 3) holding the engine on the subframe base and screw or unscrew equally the adjusting nuts (item 4). The exceeding measures of each of the 2 threaded rods (item 2a) should be equal. Once the belt adjusted, firmly tighten the 4 bolts (item 3) holding the engine.

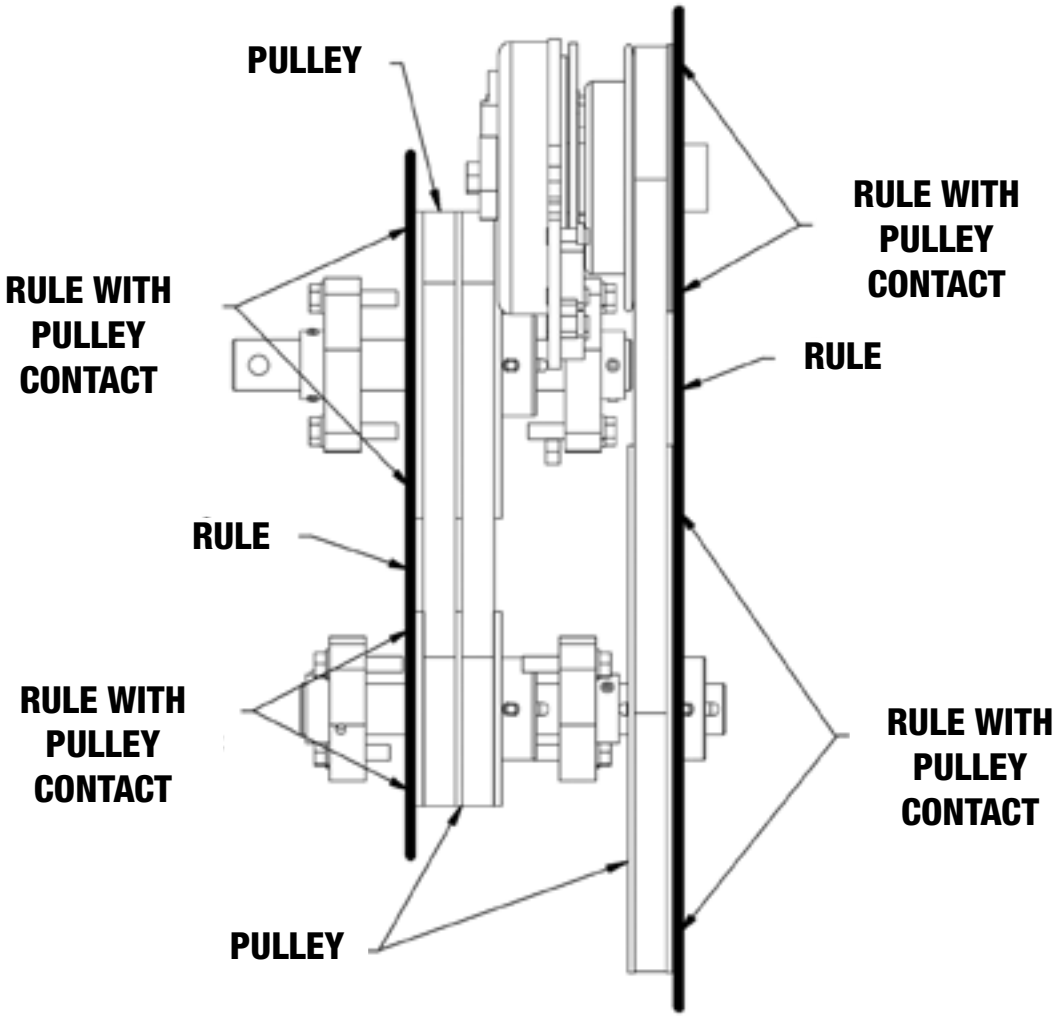
Figure 21c :



Check pulley alignment with a rule as illustrated at figure 21d.

Important: Re-install the guards before operating the snowblower.

Figure 21d :

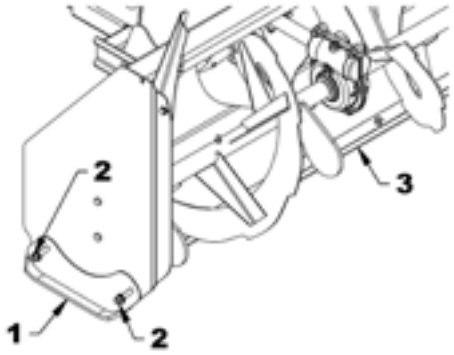


STARTING AND STOPPING

Important rules to follow before starting the snowblower engine:

1. Before starting the snowblower engine, make sure it is correctly installed on the ATV and that all guards are in place.
2. Before the first accumulation of snow, inspect the places where the snow will be cleared from and make sure there is no obstacles that could damage your snowblower.
3. Always wear a safety hat. It will protect you against accident, snow blizzards, and it will keep you head warm.
4. Before starting the snowblower engine, make sure the snowblower electric clutch switch is disengaged and that there is no snow, ice or any object into the snowblower.
5. Always start the snowblower engine at idle speed before the ATV engine and always stop the ATV engine before the snowblower engine.
6. (Figure 18) Check the skids height adjustment (item 1). If you have an asphalt, concrete or concrete paver backyard, adjust the skids (item 1) so as the blade (item 3) touches the ground or is very near. In the case of gravel or sand backyard , place the skids (item 1) so as to move away the blade (item 3) from the ground and reduce the chances to have little rocks inside the snowblower. Adjust the skids (item 1) using the hex nuts 5/16”NC (item 2).

Figure 18 :



Important rules to follow during and after operating the snowblower:

1. Be careful when backing up with the snowblower in order to prevent the engine and the belts from being in contact with snowbanks. If the belts are in contact with snow, they could momentarily slip. In general, the belts slip when the engine runs at full speed (and not really overwork) and when the throwing distance is greatly reduced (between 5 and 10 feet).
2. Before stopping operating, let the snowblower run for some time in order to clear any snow inside the snowblower.
3. Lower the snowblower to ground level in order to release the load from the front of the ATV.
4. Once the snowblower engine and ATV engine are stopped, the wire disconnected from the spark plug(s) and kept away from the spark plug(s) to prevent accidental starting, clean and remove all the snow on and inside the snowblower and make sure there is no snow remaining on the chute rotation mechanism.

GRIPO®

PARTS LIST

SNOWBLOWER ASSEMBLY #107022

REF.	PART N°	DESCRIPTION	QTY
1	107001	FRAME 48”	1
2	107005*	SCREW ASSY DIA. 13”	1
3	107008	RIGHT SKID SHOE	1
4	107009	LEFT SKID SHOE	1
5	107010	CUTTING EDGE 1/4” X 1 1/2” X 45 7/8” LG.	1
6	107011	RIGHT UPPER BLADE	1
7	107012	LEFT UPPER BLADE	1
8	107013	CHUTE SUPPORT	3
9	107014	GUARD	1
10	107015	ELECTRIC ENGINE PLATE	1
11	107021	SPACER ø0.302” X 7/8” LG.	3
12	107024	T-PIN ø1/2” X 3 3/8”, PL	2
13	107028	SNOWMBLOWER FEMALE BRACKET	1
14	107042	BEARING SPACER	1
15	107045	UNIVERSAL JOINT GUARD	1
16	107046	WELDED PINION 35B11	1
17	107048	BUSHING ø 3/8” INT. X 15/32” LG.	3
18	107055	CHUTE ASSEMBLY	1
19	800-203	HEX NUT 5/16”NC, PL	12
20	800-212	HEX FLANGE NUT 1/4”NC, PL	10
21	800-206	NYLON INSERT HEX LOCKNUT 5/16”NC, PL GR. 5	6
22	800-211	STOVER NUT 5/16”NC, PL	9
23	800-316	FLAT WASHER 5/16” (0.344” INT.), PL	18
24	800-314	FLAT WASHER 1/2” (0.531” INT.), PL	2
25	800-302	LOCK WASHER 5/16” (0.318” INT.), PL	12
26	800-327	LOCK WASHER 1/2” (0.509” INT.), PL	4
27	800-116	CARRIAGE BOLT 5/16”NC X 3/4” LG., GR. 5, PL	4
28	800-145	HEXAGON SOCKET COUNTERSUNK HEAD CAP SCREW 5/16”NC X 5/8” LG., GR. 5, PL	9
29	800-143	HEXAGONAL HEAD SOCKET SET SCREW #10 NF X 5/16” LG., GR.5, BLACK	2
30	800-139	CARRIAGE BOLT 5/16”NC X 1 1/2” LG., GR. 5, PL	2
31	800-193	HEXAGONAL HEAD SOCKET SET SCREW 3/8”NC X 1/4” LG, GR. 5, NOIR	1
32	Q060016	BEARING 1”	3
33	Q070002	CHAINS # 35 X 61 LINKS	1
34	Q070021	KEY 1/4” X 1/4” X 1 1/4” lg.	1
35	Q070025	ELECTRIC ENGINE (RIGHT)	2
36	Q070046	UNIVERSAL JOINT SHAFT	2
37	Q080006	COTTER PIN 1/8” X 1”	2
38	800-101	HEX BOLT 1/4”NC X 2” LG., GR. 5, PL	1
39	800-127	HEX BOLT 1/4”NC X 2 3/4” LG., GR. 5, PL	3
40	800-126	HEX BOLT 5/16”NC X 1” LG., GR. 5, PL	2
41	800-109	HEX BOLT 5/16”NC X 1 1/2” LG., GR. 5, PL	4
42	800-104	HEX BOLT 5/16”NC X 2 1/4” LG., GR. 5, PL	6
43	800-132	HEX BOLT 1/2”NC X 1 1/4” LG., GR. 5, PL	4
44	800-113	HEX BOLT 1/4”NC X 5 1/2” LG., GR. 5, PL	1
45	800-200	NYLON INSERT HEX LOCKNUT 1/4”NC, PL	6
46	800-216	NYLON INSERT HEX LOCKNUT 1/2”NC, PL	4
47	800-125	HEX FLANGE BOLT 1/4”NC X 3/4” LG., GR. 5, PL	10

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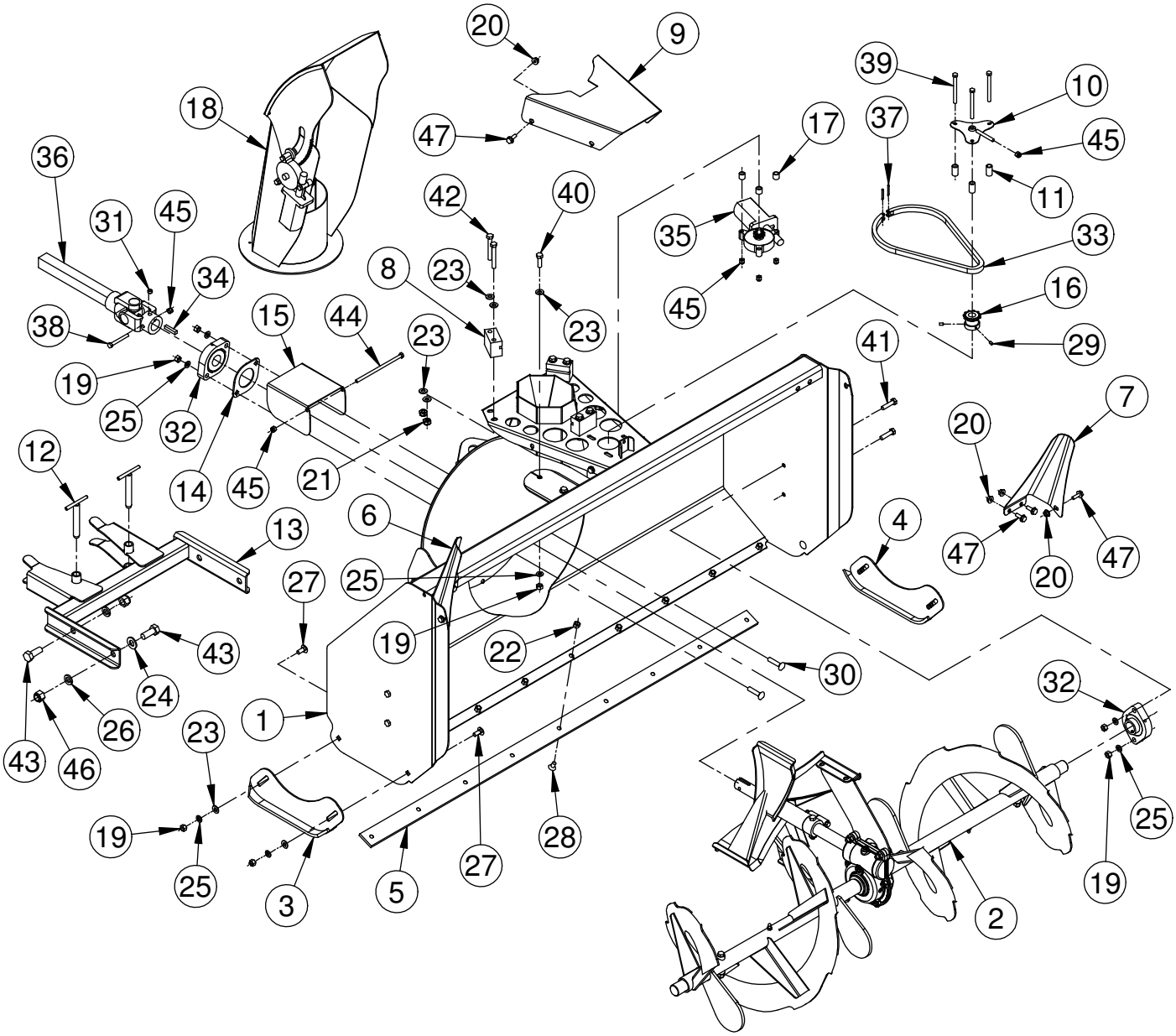
PARTS LIST



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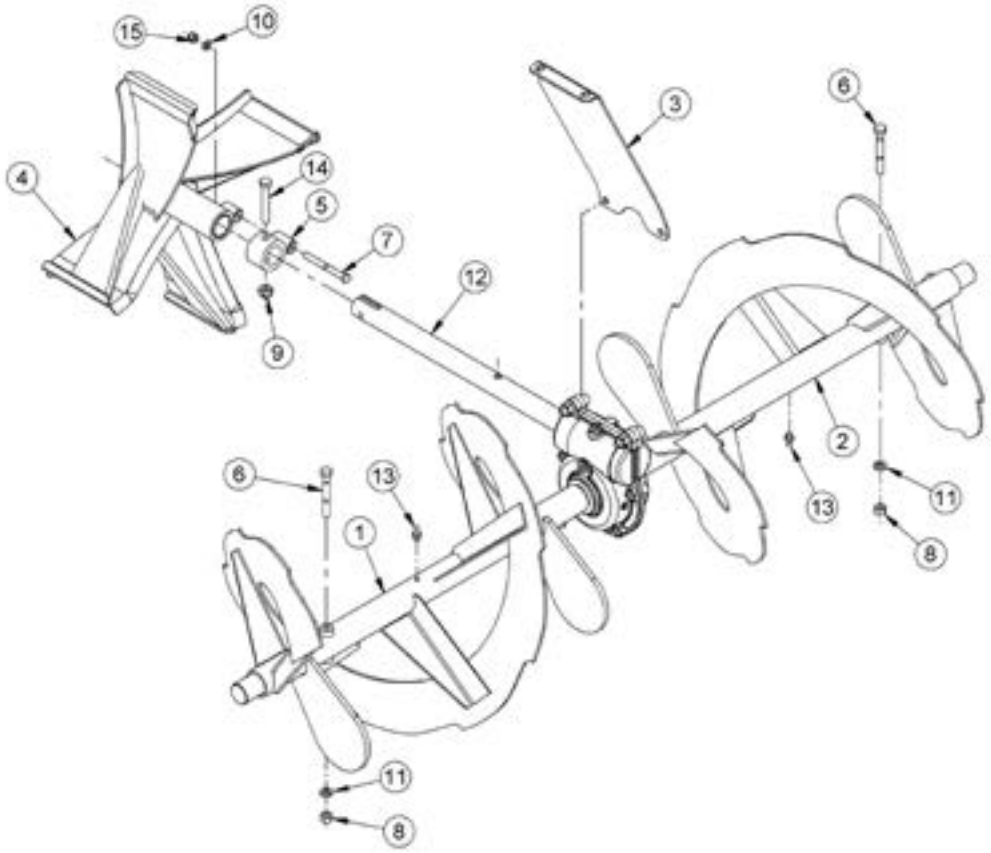
PARTS LIST

SCREW AND FAN ASSEMBLY #107005

REF.	PART N°	DESCRIPTION	QTY
1	107002	AUGER (RIGHT)	1
2	107003	AUGER (LEFT)	1
3	107004	GEAR BOX SUPPORT	1
4	107007	FAN 13 3/4", 4 BLADES	1
5	107037	BUSHING	1
6	107044	SHEAR BOLT 5/16"NC X 2 1/4" LG., GR. 5, PL	2
6	107044E	**KIT OF 10 SHEAR BOLTS 5/16"NC X 2 1/4" LG, GR. 5, PL, INCL. 10 LOCK WASHERS AND 10 HEX NUTS**	1
7	107053	SHEAR BOLT 1/4"NC X 2 1/2" LG, GR. 5, PL	1
7	107053E	**KIT OF 5 SHEAR BOLTS 1/4"NC X 2 1/2" LG, GR. 5, PL, INCL. 5 LOCKWASHERS AND 5 NYLON INSERT NUTS**	1
8	800-203	HEX NUT 5/16"NC, PL	2
9	800-206	NYLON INSERT HEX LOCKNUT 5/16"NC, GR. 5 PL	1
10	800-303	LOCK WASHER 1/4" (0.255" INT.), PL	1
11	800-302	LOCK WASHER 5/16" (0.318" INT.), PL	2
12	107005-01	WORM AND GEAR REDUCTION 5 @ 1, FOR SNOWBLOWER 46"	1
13	103-121	GREASE FITTING 1/4"-28 NF	2
14	800-114	HEX BOLT 5/16"NC X 2" LG., GR. 8, PL	1
15	800-200	NYLON INSERT HEX LOCKNUT 1/4"NC, PL	1



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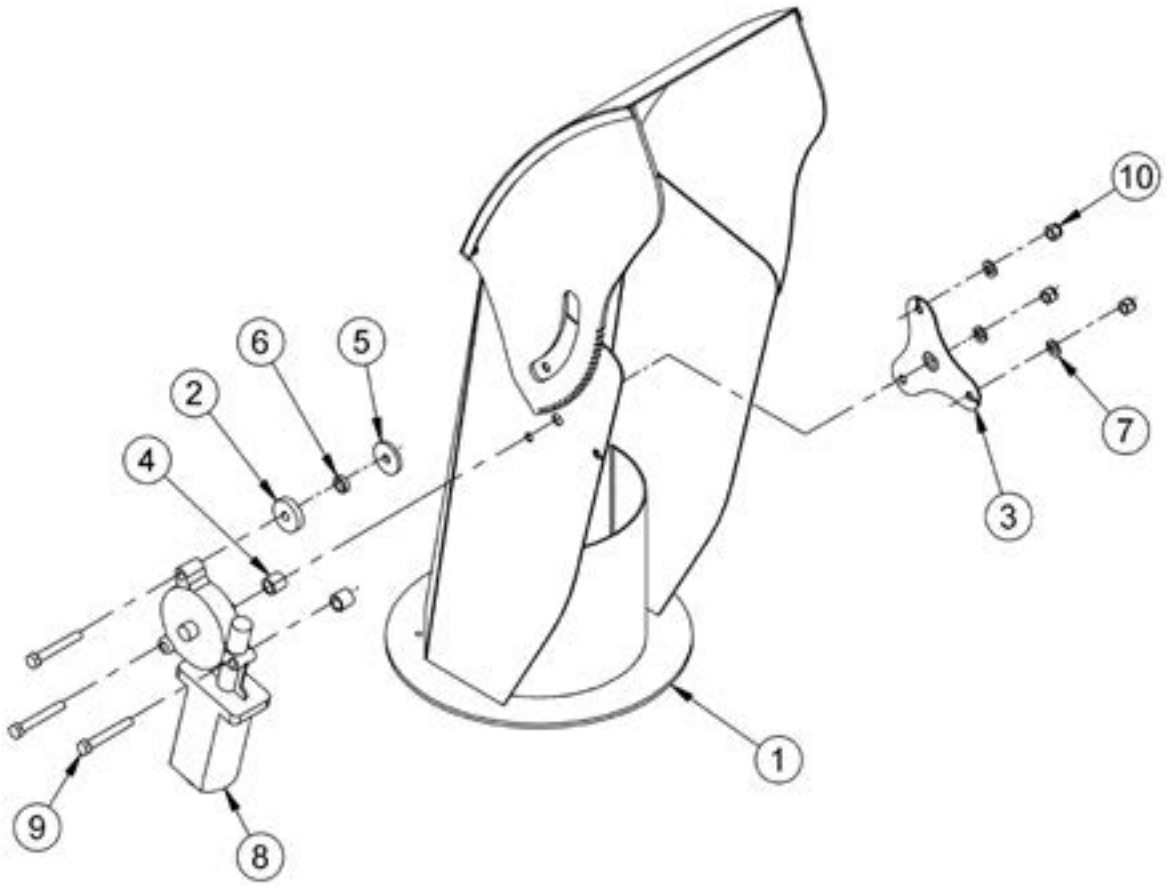
PARTS LIST

CHUTE ASSEMBLY #107055

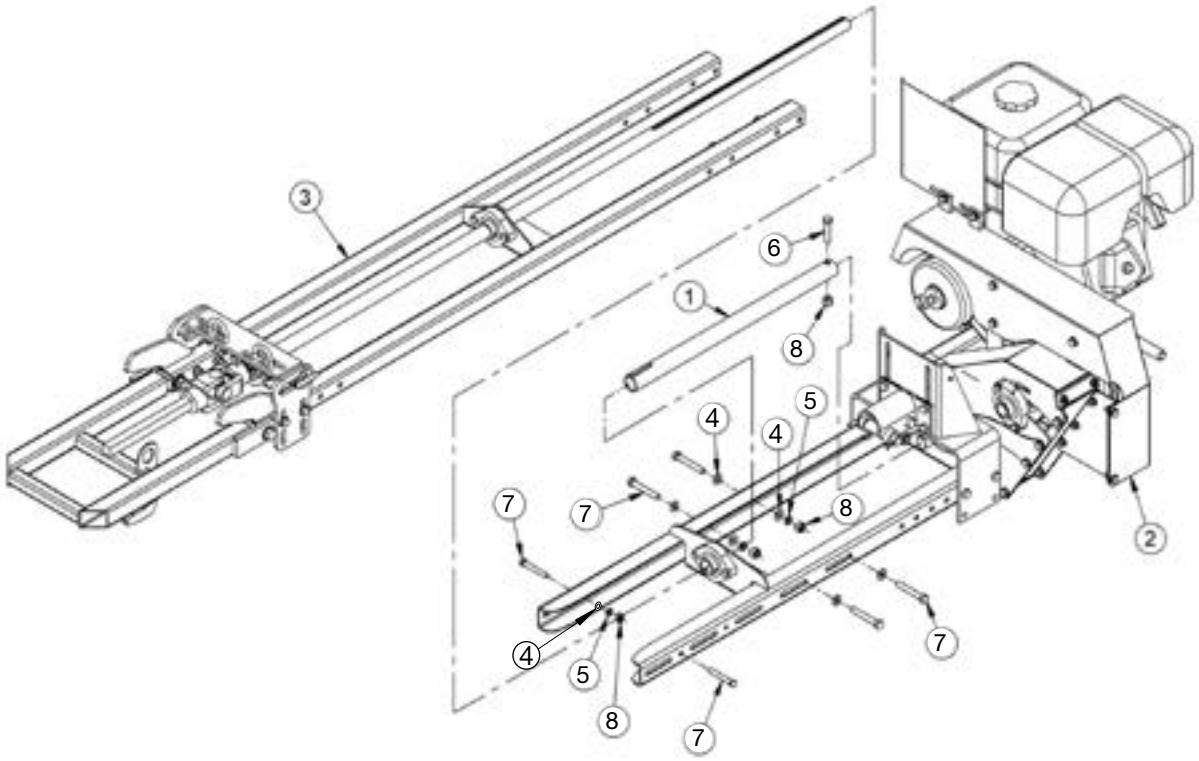
REF.	PART N°	DESCRIPTION	QTY
1	107006	CHUTE 6” X 24 1/2” HIGH	1
2	107016	NYLON SPACER 1/4” (9/32” INT.) X 0.219” LG.	1
3	107040	ELECTRIC DEFLECTOR PLATE	1
4	107048	BUSHING ø 3/8” INT. X 15/32” LG.	2
5	107056	NYLON SPACER 1/4” (9/32” INT.) X 0.115” LG.	1
6	107057	BUSHING ø 3/8” INT. X 0.135” LG., PL	1
7	800-303	LOCK WASHER 1/4” (0.255” INT.), PL	3
8	Q070025	ELECTRIC ENGINE (RIGHT)	1
9	800-100	HEX BOLT 1/4”NC X 1 3/4” LG., GR. 5, PL	3
10	800-200	NYLON INSERT HEX NUT 1/4”NC, PL	3



PARTS LIST

SUBFRAME ASSEMBLY #107039

REF.	PART N°	DESCRIPTION	QTY
1	107062	FEMALE SHAFT	1
2	107070*	REAR SUBFRAME ASSY	1
3	107071*	FRONT SUBFRAME ASSY	1
4	800-317	FLAT WASHER 3/8” (0.406” INT.), PL	12
5	800-301	LOCK WASHER 3/8” (0.382” INT.), PL	6
6	800-166	HEX BOLT 3/8”NC X 2 1/2” LG., GR. 8, PL	1
7	800-195	HEX BOLT 3/8”NC X 2 1/2” LG., GR. 5, PL	6
8	800-201	NYLON INSERT HEX LOCKNUT 3/8”NC, PL	7



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PARTS LIST

FRONT SUBFRAME ASSEMBLY #107071

REF.	PART N°	DESCRIPTION	QTY
1	107017	QUICK-DISCONNECT FASTENER (MALE)	1
2	107018	ROTATION BUSHING ø0.510” X 1/2” LG.	2
3	107027	FRONT BRACKET	2
4	107029	FRONT SUBFRAME	1
5	107031	FRONT SUPPORT	1
6	107033	T-PIN ø3/4” X 3 9/16” LG.	2
7	107034	TRANSMISSION SHAFT ø1”	1
8	107087	RIGHT FRONT SUPPORT (BOMBARDIER)	1
9	107088	LEFT FRONT SUPPORT (BOMBARDIER)	1
10	107100L	SPACER 12 GA., 2 HOLES, (BOMBARDIER)	2
11	800-203	HEX NUT 5/16”NC, PL	4
12	800-227	HEX NUT 3/8”NC, GR. 5, PL	4
13	800-225	HEX NUT 1/2”NC, PL	2
14	800-206	NYLON INSERT HEX NUT 5/16”NC, GR. 5 PL	4
15	800-316	FLAT WASHER 5.16” (0.344” INT.), PL	8
16	800-317	FLAT WASHER 3/8” (0.406” INT.), PL	4
17	800-314	FLAT WASHER 1/2” (0.531” INT.), PL	4
18	800-321	FLAT WASHER 3/4” (0.812” INT.), PL	2
19	800-302	LOCK WASHER 5/16” (0.318” INT.), PL	8
20	800-301	LOCK WASHER 3/8” (0.382” INT.), PL	4
21	800-327	LOCK WASHER 1/2” (0.509” INT.), PL	2
22	800-424	“U” BOLT 5/16 NC X 2 1/2” LG., PL	2
23	Q060016	BEARING 1”	2
24	Q070036	UNIVERSAL JOINT SHAFT	1
25	Q080007	R-CLIP 1/8” X 2 1/2” LG, PL	2
26	800-134	HEX BOLT 5/16”NC X 1 1/2” LG., GR. 5, PL	8
27	800-195	HEX BOLT 3/8”NC X 2 1/2” LG., GR. 5, PL	4
28	800-196	HEX BOLT 1/2”NC X 3” LG., GR. 5, PL	2

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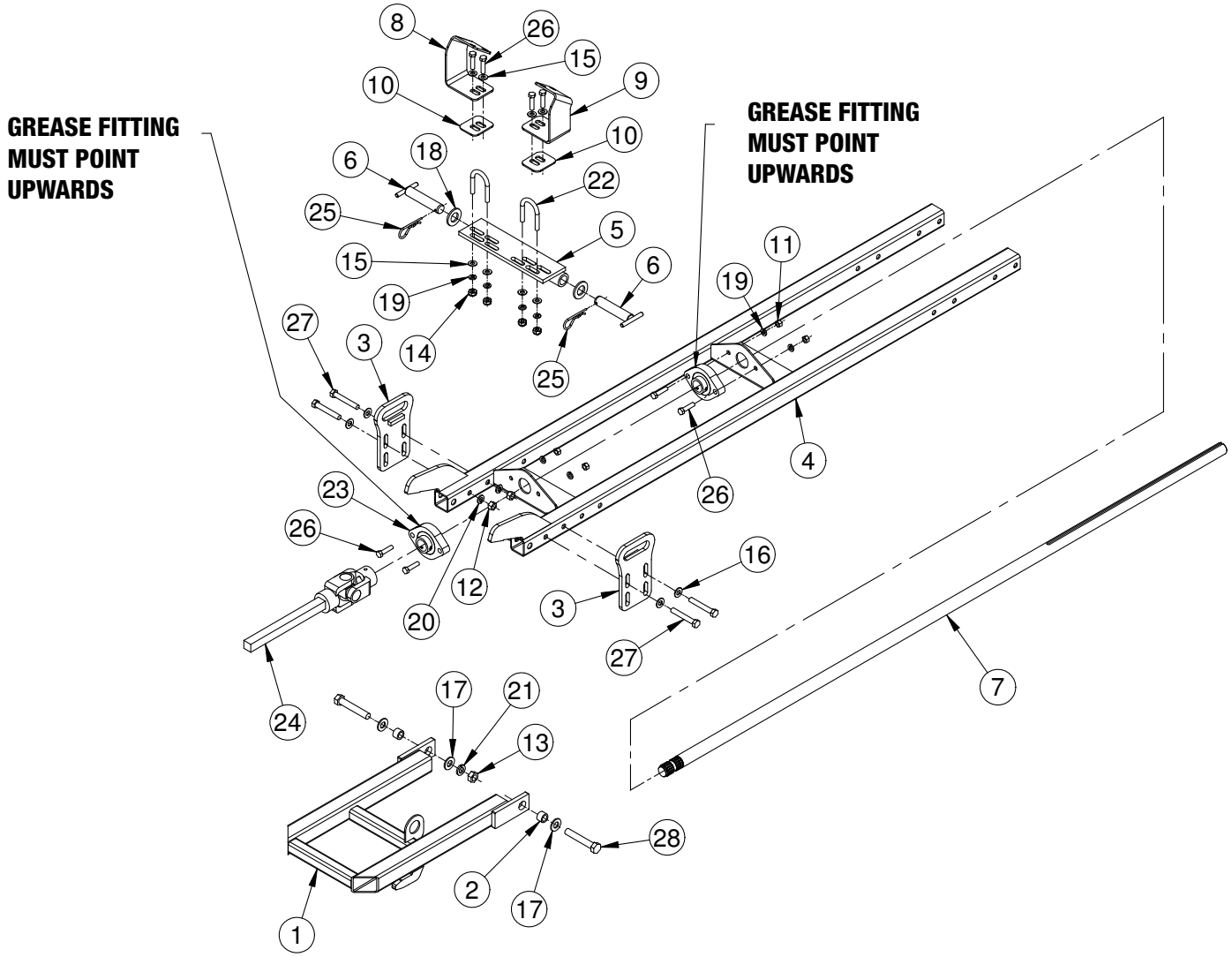
PARTS LIST

FRONT SUBFRAME ASSEMBLY #107071



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PARTS LIST

REAR SUBFRAME ASSEMBLY #107070

REF.	PART N°	DESCRIPTION	QTY
1	107026	PARKING LEG	1
2	107032	REAR BRACKET	1
3	107033	T-PIN ø3/4” X 3 9/16” LG.	1
4	107036	ENGINE GUARD	1
5	107038	SPACER ø0.370” X 2 3/4” LG.	1
6	800-107C	T-BOLT 5/16”NC X 3/4” LG., GR. 5, PL	2
7	107047	UPPER REAR BRACKET	1
8	107049	GUARD SUPPORT	1
9	107050	ENGINE BELT GUARD	1
10	107059	COVER	1
11	107072*	REAR SUBFRAME PRE-ASSEMBLED	1
12	800-214	HEX FLANGE NUT 5/16”NC, PL	12
13	800-317	FLAT WASHER 3/8” (0.406” INT.), PL	4
14	800-302	LOCK WASHER 5/16” (0.318” INT.), PL	1
15	800-301	LOCK WASHER 3/8” (0.382” INT.), PL	8
16	Q080007	R-CLIP 1/8” X 2 1/2” LG, PL	1
17	Q100002	TENSION SPRING ø13/16” X 4 3/4” LG.	1
18	800-163	HEX BOLT 5/16”NC X 3 1/2” LG., GR. 5, PL	1
19	800-135	HEX BOLT 3/8”NC X 1 1/4” LG., GR. 5, PL	8
20	800-201	NYLON INSERT HEX LOCKNUT 3/8”NC, PL	8
21	800-159	HEX FLANGE BOLT 5/16”NC X 3/4” LG., GR. 5, PL	15

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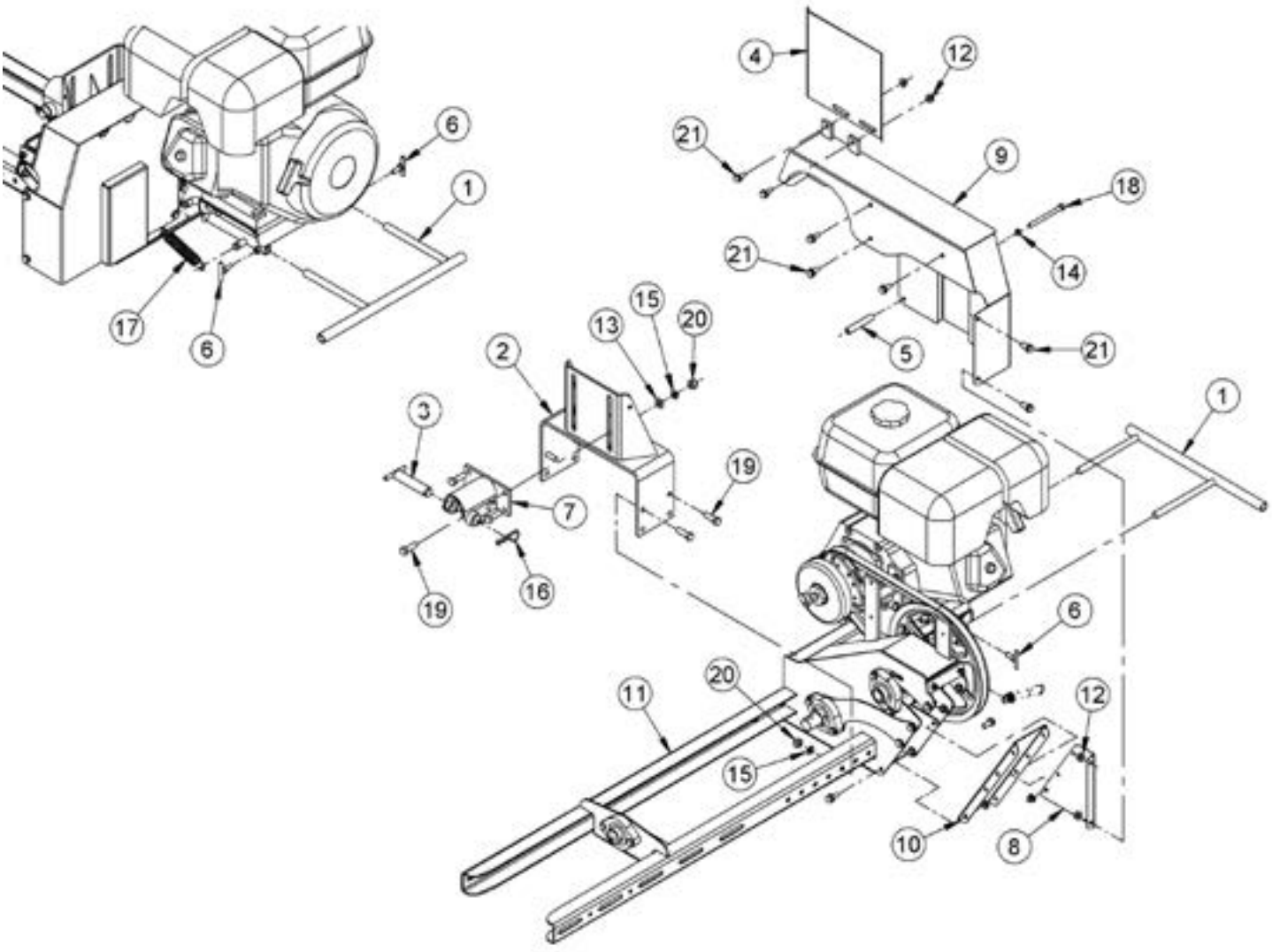
PARTS LIST

REAR SUBFRAME ASSEMBLY #107070



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PARTS LIST

PRE-ASSEMBLED REAR SUBFRAME #107072

REF.	PART N°	DESCRIPTION	QTY
1	107025	REAR SUBFRAME	1
2	107051	BELT IDLER	2
3	107058	ENGINE IDLER	2
4	107061	FRONT COVER	1
5		ENGINE	1
6	Q070039	MASKA PULLEY 2 MB 60, ID. 1”	1
7	Q070038	MASKA PULLEY 2 MB 38, ID. 1”	1
8	800-203	HEX NUT 5/16”NC, PL	2
9	800-227	HEX NUT 3/8”NC, PL	4
10	800-304	FLAT WASHER 1/4” (0.281” INT.), PL	4
11	800-317	FLAT WASHER 3/8” (0.406” INT.), PL	4
12	800-302	LOCK WASHER 5/16” (0.318” INT.), PL	10
13	800-301	LOCK WASHER 3/8” (0.382” INT.), PL	4
14	Q060016	BEARING 1”	5
15	Q070040	MASKA PULLEY MB103, ID. 1”	1
16	Q070042	OPTIBELT BELT BX46	1
17	Q070043	OPTIBELT BELT BX31	2
18	Q070044	KEY 1/4” X 1/4” X 1 5/8”	1
19	800-109	HEX BOLT 5/16”NC X 1 1/2” LG., GR. 5, PL	4
20	800-109	HEX BOLT 5/16”NC X 1 1/2” LG., GR. 5, PL	6
21	800-106	HEX BOLT 3/8”NC X 2” LG., GR. 5, PL	4
22	800-207	HEX NUT 1/4”NC, PL	2
23	800-200	NYLON INSERT HEX LOCKNUT 1/4” NC, PL	4

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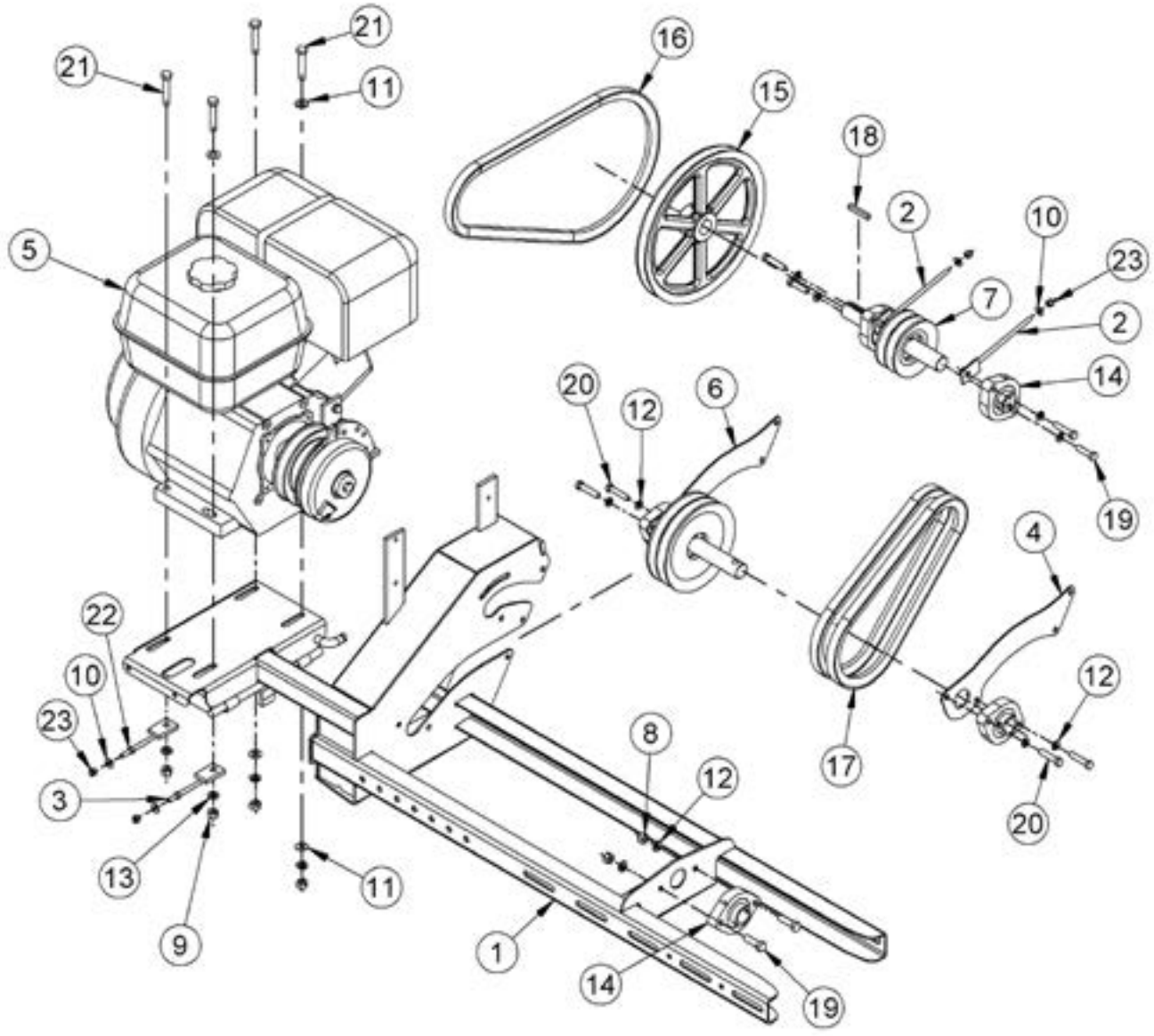
PARTS LIST

PRE-ASSEMBLED REAR SUBFRAME #107072



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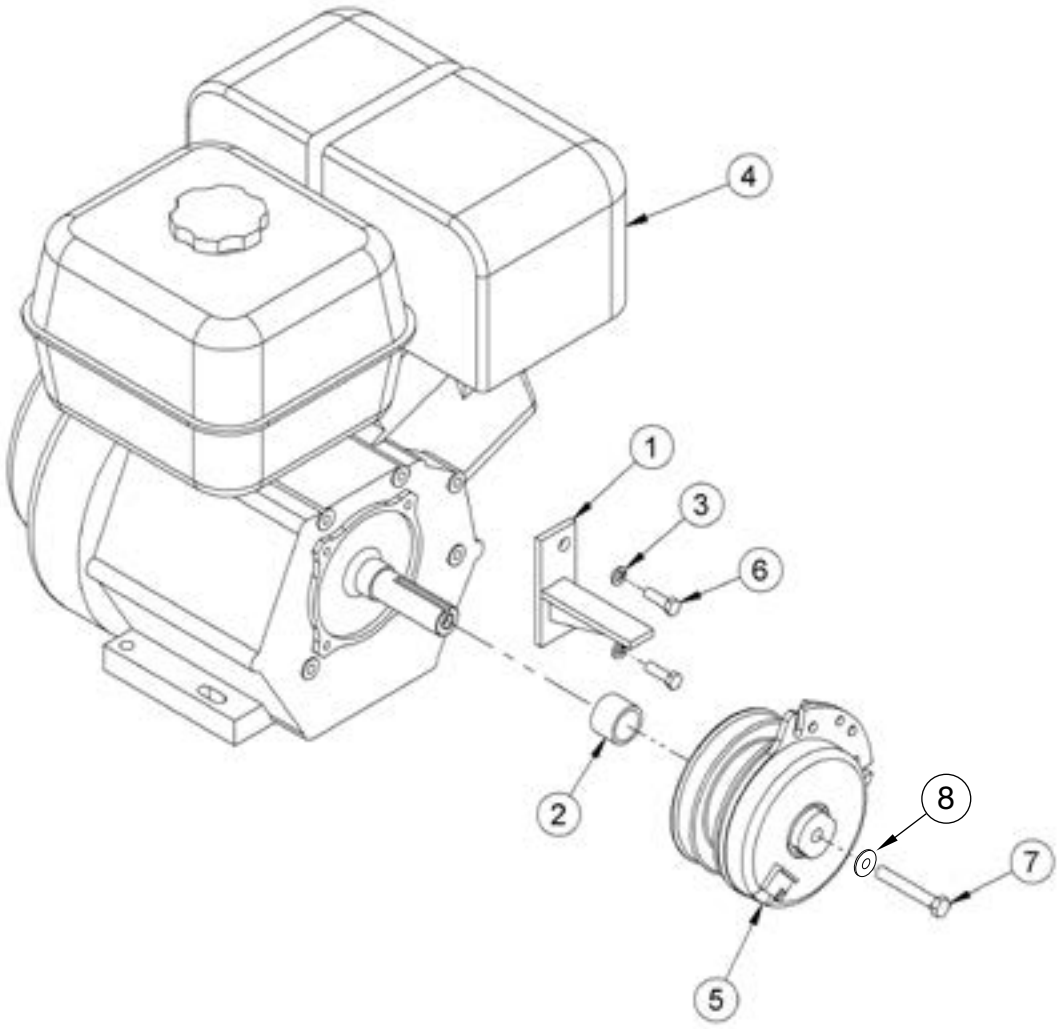
PARTS LIST

ENGINE ASSEMBLY #107067

REF.	PART N°	DESCRIPTION	QTY
1	107023	ELECTRIC CLUTCH SUPPORT	1
2	107035	ENGINE SHAFT BUSHING	1
3	800-302	LOCK WASHER 5/16” (0.318” INT.), PL	2
4		HONDA ENGINE	1
5	151-019	ELECTRIC CLUTCH ø5.118”	1
6	800-157	HEX BOLT 5/16”NF X 1” LG., GR. 5, PL	2
7	800-153	HEX BOLT 3/8”NF X 2 1/2” LG., GR. 8, PL	1
8	800-317	FLAT WASHER 3/8‘’	1



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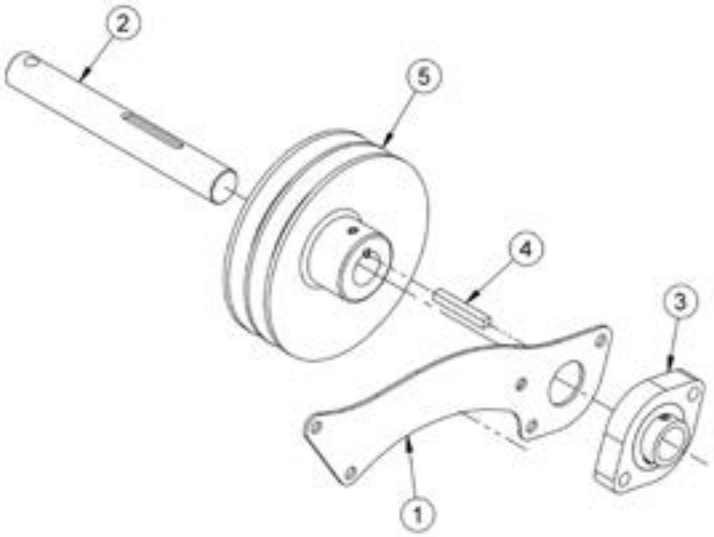
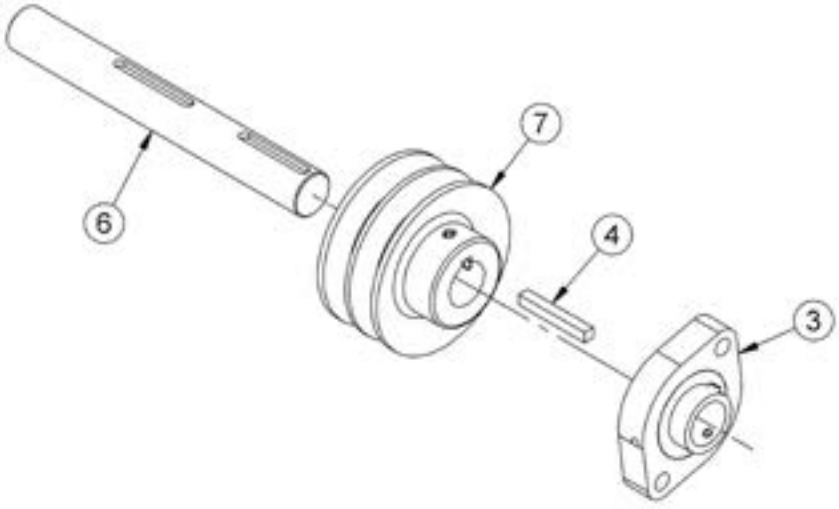
PARTS LIST

PRE-ASSEMBLED PULLEY #107068 AND #107069

REF.	PART N°	DESCRIPTION	QTY
1	107041	REAR COVER	1
2	107060	TRANSMISSION SHAFT ø1” X 7 3/4” LG.	1
3	Q060016	BEARING 1”	2
4	Q070044	KEY 1/4” X 1/4” X 1 5/8”	2
5	Q070039	MASKA PULLEY 2 MB 60, ID. 1”	1
6	107066	SHAFT 1” X 8 1/4”	1
7	Q070038	MASKA PULLEY 2 MB 38,ID. 1”	1

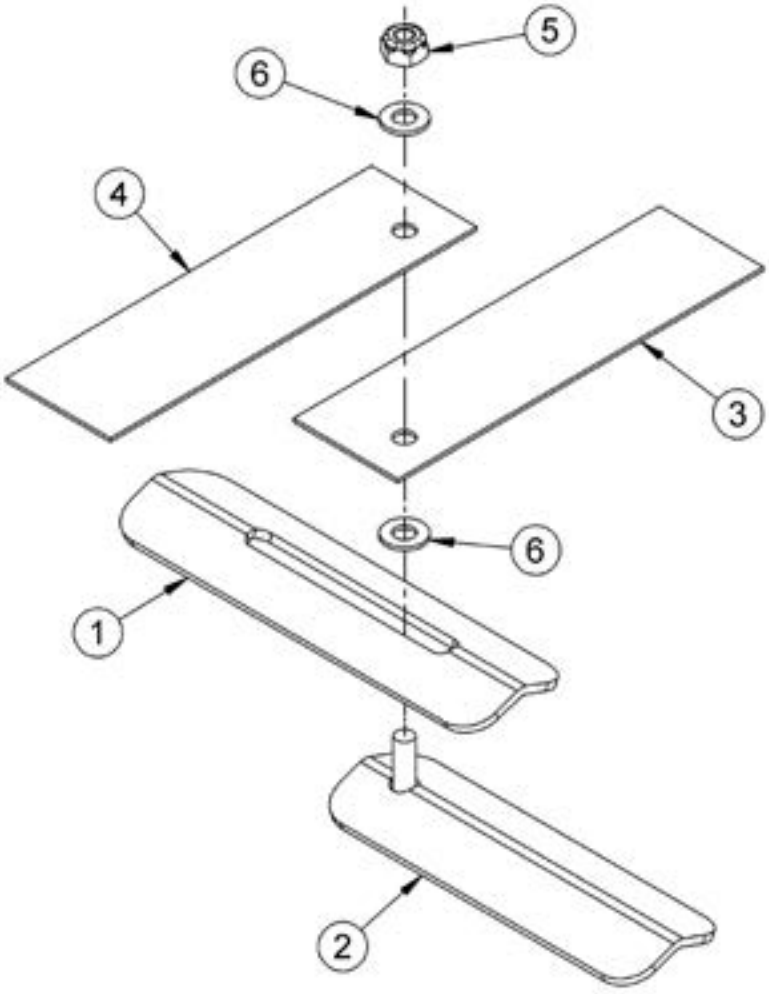




PARTS LIST

SHOCK ABSORBER LIMIT STOPS #107075 (OPTIONAL)

REF.	PART N°	DESCRIPTION	QTY
1	107073	FEMALE SUPPORT	1
2	107074	MALE SUPPORT	1
3	107076	VELCRO (MALE)	1
4	107077	VELCRO (FEMALE)	1
5	800-206	NYLON INSERT HEX LOCKNUT5/16” NC, GR. 5, PL	1
6	800-316	FLAT WASHER 5/16” (0.344” INT.), PL	2



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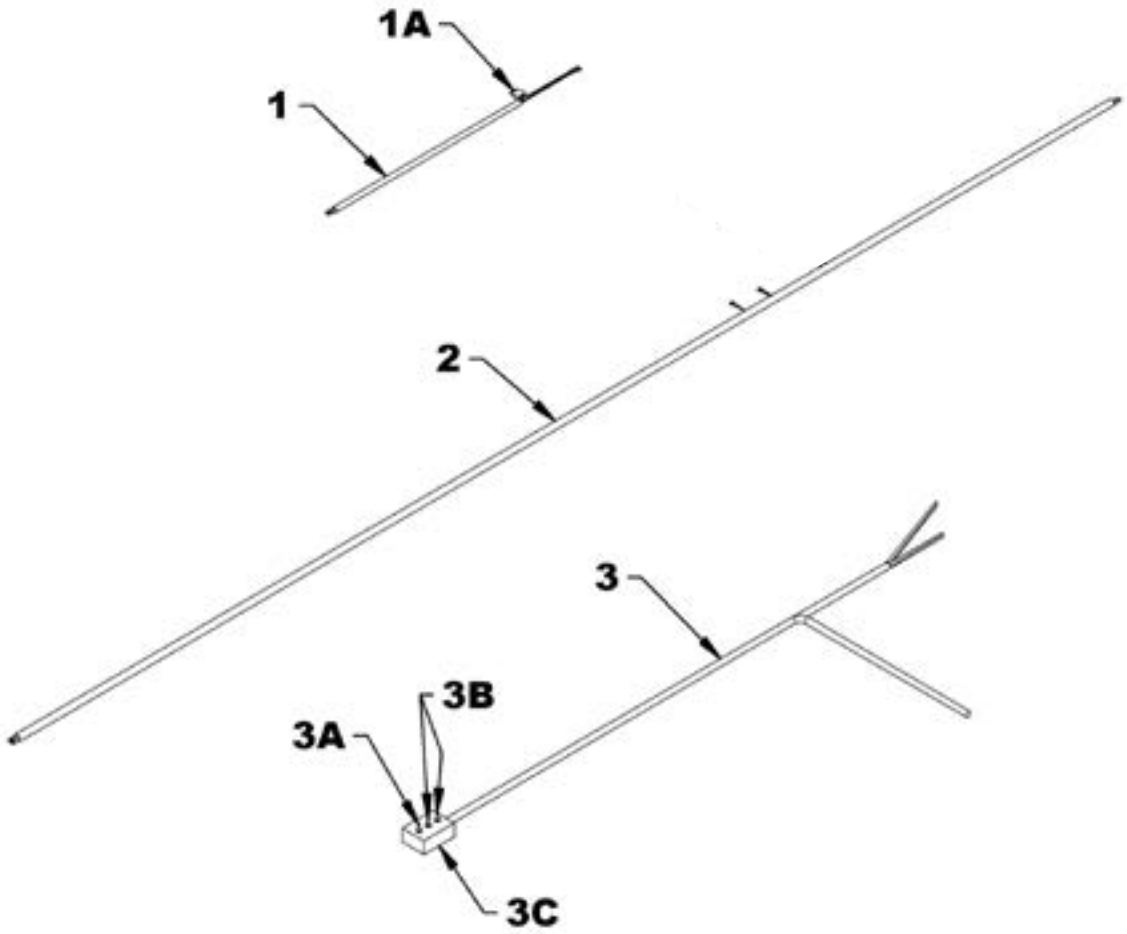
PARTS LIST

ELECTRIC COMPONENTS

REF.	PART N°	DESCRIPTION	QTY
1	107089	REAR ELECTRIC WIRE , ASSEMBLY (INCLUDES ITEM 1A)	1
1A	107081	FUSE 20 AMPERES	1
2	107093	SUBFRAME ELECTRIC WIRE, ASSY	1
3	107097	SUBFRAME FRONT ELECTRIC WIRE, ASSEMBLY (INCLUDES ITEM 3A, 3B AND 3C)	1
3A	107096	SIMPLE ACTION SWITCH	1
3B	107080	DUAL POSITION SWITCH	2
3C	107063	ELECTRIC CONTROL BOX	1



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