PWM600MH
PERIMETER WIRE MACHINE

BY THE ORIGINAL PORTABLE WINCH™

USER MANUAL

READ CAREFULLY BEFORE USE

SERIAL NUMBER: PWM100777 AND UP

www.600mh.com

English Version – Printed in Canada

SUMMARY

INTRODUCTION

Portable Winch Co. wishes to thank you for purchasing a *PWM600MH™ Perimeter Wire Machine.* This manual was written to help you make the best use of your new machine and to use it in the most secure way. **READ IT CAREFULLY BEFORE USING THE MACHINE.** For any problems or questions please refer to an authorized *Portable Winch Co.* dealer or contact us directly.

1.0 SAFETY GUIDELINES

The *PWM600MH™ Perimeter Wire Machine* is designed to bury electrical wires up to 4 mm in diameter at depth between 4 and 6 cm in grassy soil. The use of this machine implies serious risks of injury, property damage or even death. **Do not underestimate its potential danger.**

1.1 Safety messages

Your safety and the safety of others are very important. You will find important safety messages in this manual. **Read them carefully**.

These security messages are warning you of potential injuries to either yourself or others. Every safety message is preceded by a warning symbol ⚠ and one of the following terms: DANGER, WARNING or CAUTION.

These indicator words mean:

⚠ DANGER You WILL be MORTALLY or SEVERELY INJURED if you do not follow these instructions.

⚠ WARNING You COULD be MORTALLY or SEVERELY INJURED if you do not follow these instructions.

⚠ CAUTION You COULD be INJURED if you do not follow these instructions.

1.2 Labels

All the labels are available for replacement from the manufacturer.

1.2.1 Serial number label

The serial number label contains the following information:

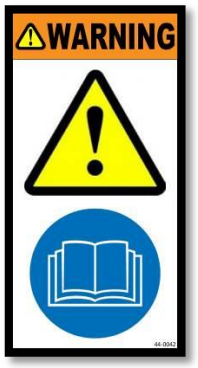
1. The manufacturer's coordinates;
2. The model number;
3. The serial number;
4. The manufacturing year;
5. The CE mark.

1.2.2 Sound pressure level label

The sound pressure level label indicates that the guaranteed measured sound pressure level is 105 dB. We recommend wearing hearing protection when using the *PWM600MH™ Perimeter Wire Machine.*

1.2.3 Read the user manual label

The read the user manual label indicates that it is necessary to read the entirety of this manual as well as the Honda engine user manual before using the machine.



1.2.4 Safety equipment label

The safety equipment label informs you that it is strongly recommended to wear the following equipment while operating the *PWM600MH™ Perimeter Wire Machine*:

- Safety glasses with deflectors;
- Hearing protectors;
- Anti-vibration gloves;
- Steel-toed work boots.

1.2.5 Warning label for potential dangers of the blade

This warning label informs you of the following potential dangers:

- Debris could be launched and cause injuries to the eyes;
- The blade can crush feet;
- The blade can crush hands;
- The blade can cut hands.

1.2.6 Warning label for slope usage

The warning label for slope usage indicates that the machine must not be used on slopes steeper than 50%.

1.3 Security information

⚠ DANGER Before starting any perimeter wire laying work, make sure you know the locations of any electrical wires or water pipes in the work zone.

⚠ WARNING The machine weighs 34.1 kg. Be careful when trying to lift it. It is strongly recommended to lift it with the aid of a second person.

⚠ WARNING Never let an untrained person use the machine. Be sure that they are aware of the safety instructions and have read this manual as well as the Honda engine user manual.

⚠ CAUTION Only trustworthy adults who are aware of the safety guidelines should be authorised to operate this machine. Do not allow children operate the machine.

⚠ CAUTION Keep children, spectators and animals outside of the work zone. Stop the machine if someone enters the work zone.

⚠ WARNING Do not place your feet near the blade while the engine is running.

⚠ WARNING Ensure that your clothing cannot get caught in the moving parts of the machine.

⚠ CAUTION Clean and/or replace all security labels that are dirty, deteriorated, unreadable or torn.

⚠ CAUTION Always wear safety glasses with deflectors when using the machine.

⚠ CAUTION Always wear anti-vibration gloves when using the machine.

⚠ CAUTION Always wear hearing protectors when using the machine.

⚠ CAUTION Always wear steel-toe work boots when using the machine.

⚠ CAUTION Do not back up the machine unless absolutely necessary. Always look at the ground behind you before backing up.

⚠ CAUTION Make sure the working area is free of rocks, toys, metal wires, stick, etc. The objects could be cut and/or launched by the blade.

⚠ CAUTION Never use the machine if the protection guards and other safety devices are not in place.

⚠ CAUTION Stop the engine when crossing driveways, sidewalks or streets.

⚠ DANGER Do not use the machine if you are under the influence of alcohol or drugs.

⚠ DANGER Never use the machine on wet grass. Walk at a steady pace, hold on to the handle and walk; never run.

⚠ CAUTION If the machine starts to vibrate abnormally, stop the engine and check immediately for the cause. Strong vibrations are usually a sign of an abnormality.

⚠ DANGER The engine exhaust gases contain poisonous carbon monoxide. Never run the engine in a closed building without adequate ventilation.

⚠ CAUTION The muffler and other engine parts become extremely hot during operation and remain hot after engine has stopped. To avoid severe burns, stay away from these parts.

⚠ DANGER Stop the engine before cleaning, inspection or repairs.

⚠ CAUTION Bolts and nuts, especially the bolts used to attach the blade should always be properly tightened. Keep equipment in good condition.

⚠ DANGER Never tamper with safety devices. Regularly check that they are functioning properly.

⚠ CAUTION Keep grass, leaves or debris of any kind from accumulating on the machine or in front of the blade. Clean oil or fuel spillage.

⚠ CAUTION Allow machine to cool before storing it.

⚠ CAUTION If you hit an object, stop the machine and check for damage. Before restarting, repair the damage if necessary.

⚠ CAUTION The blade of the machine can cut. Wrap the blade or wear gloves and be careful during maintenance operations on the blade.

⚠ CAUTION Only start the engine when ready for the blade to enter the ground.

2.0 PRE-OPERATION CHECKS

2.1 Upon reception

Inspect the box to detect any obvious damage. If a part is missing or damaged, notify the carrier immediately.

Here is what you should find in the box:

- 1x PWM600MH - PERIMETER WIRE MACHINE - 600MH
- 1x 10-0303 - REVERSIBLE BLADE TYPE 7
- 1x 70-0056 - WIRE GUIDE ASSEMBLY
- 1x 10-0304 - SLIDING FOOT
- 2x 44-0038 - WHEEL (TIRE AND HUB)
- 1x 10-0242 - BLADE PULLEY COVER
- 1x 44-0015 - 4 MM HEX KEY
- 1x 44-0122 - 5 MM HEX KEY
- 1x PERIMETER WIRE MACHINE - 600MH USER MANUAL
- 1x HONDA ENGINE USER MANUAL

2.2 Assembly and start-up

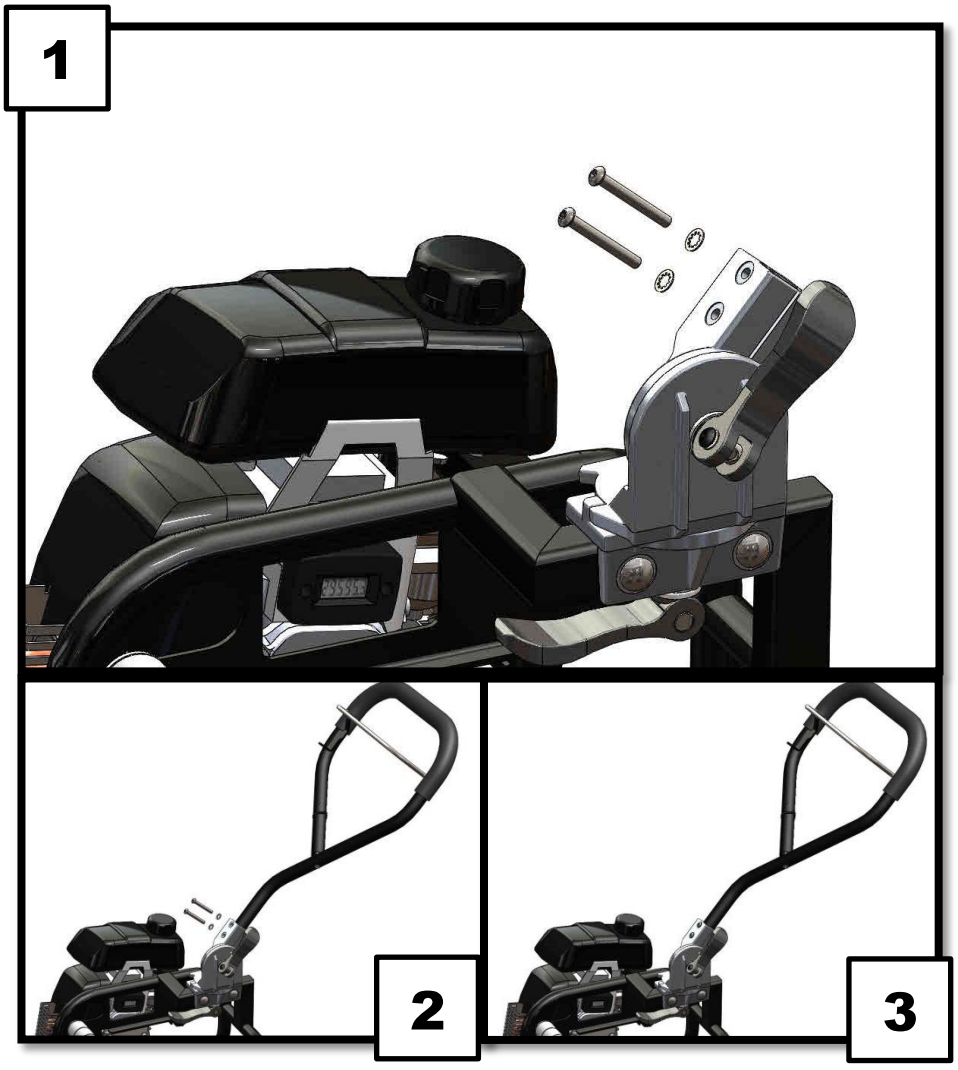
The *PWM600MH™ Perimeter Wire Machine* was completely assembled at the factory except for the following parts: blade, wire guide, sliding foot, blade pulley cover, wheels and handle. To assure a safe and appropriate usage, these parts must be attached securely. Use the 4 mm key to ensure they are tightened sufficiently.

To assemble and get your machine in working order, please follow steps *2.2.1* to *2.2.7* in order.

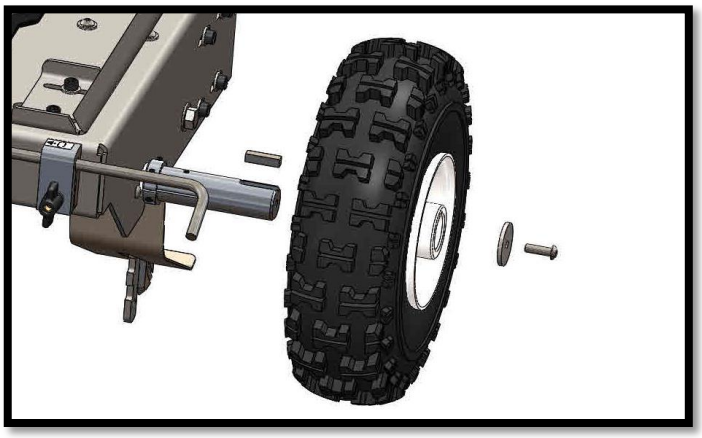
2.2.1 Installing the handle

IMPORTANT: Do not pull directly on the handle to remove the machine from the box so as not to pinch or damage the cable attached.

1) Remove the 2 screws, 2 nuts and 4 washers from the base of the handle *(Figure 1);*
2) Insert the handle into the base *(Figure 2);*
3) Insert the 2 screws, 2 nuts and 4 washers and tighten them all *(Figure 2);*
4) Adjust the handle to the desired height using the clamping lever *(Figure 3).*

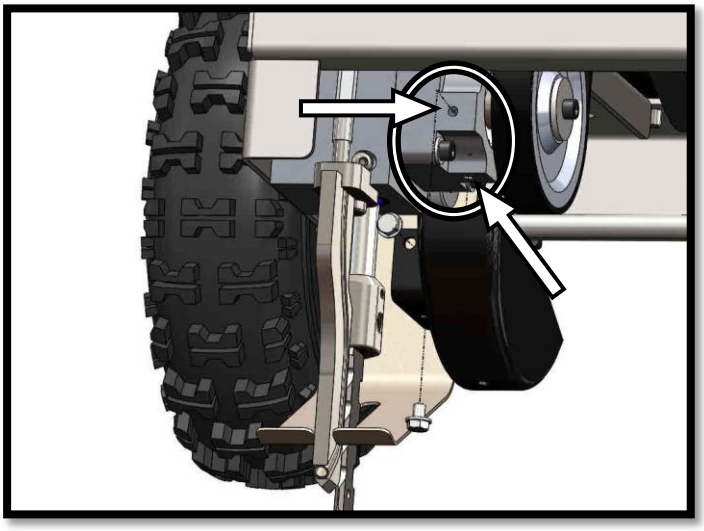


2.2.2 Installing the wheels



1) Remove the adhesive tape and take the small key on the wheel hub;
2) Use your 4 mm hex key to remove the screw and the washer from the hub;
3) Insert the wheel with its valve side exterior;
4) Insert the small key;
5) Put back the plat washer and the screw;
6) Repeat for the other wheel.

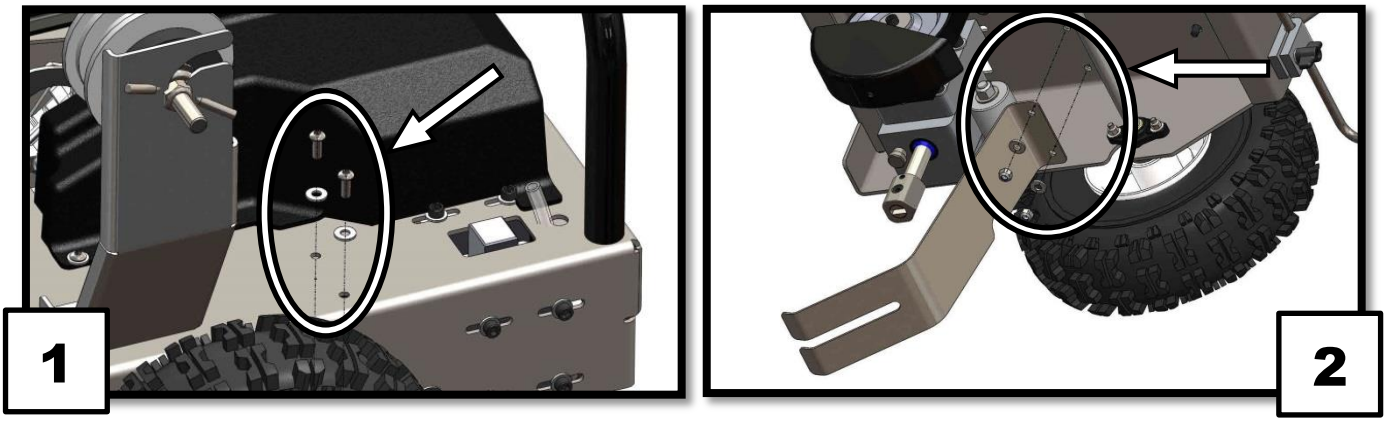
2.2.3 Installing the blade pulley cover



1) Remove the two (2) screws;
2) Place the cover appropriately;
3) Put back the two (2) screws.

2.2.4 Installing the sliding foot

1) Install the bolts, nuts and flat washers as illustrated. Tighten using the 4 mm hex wrench and 10 mm box wrench *(Figure 1 and 2);*



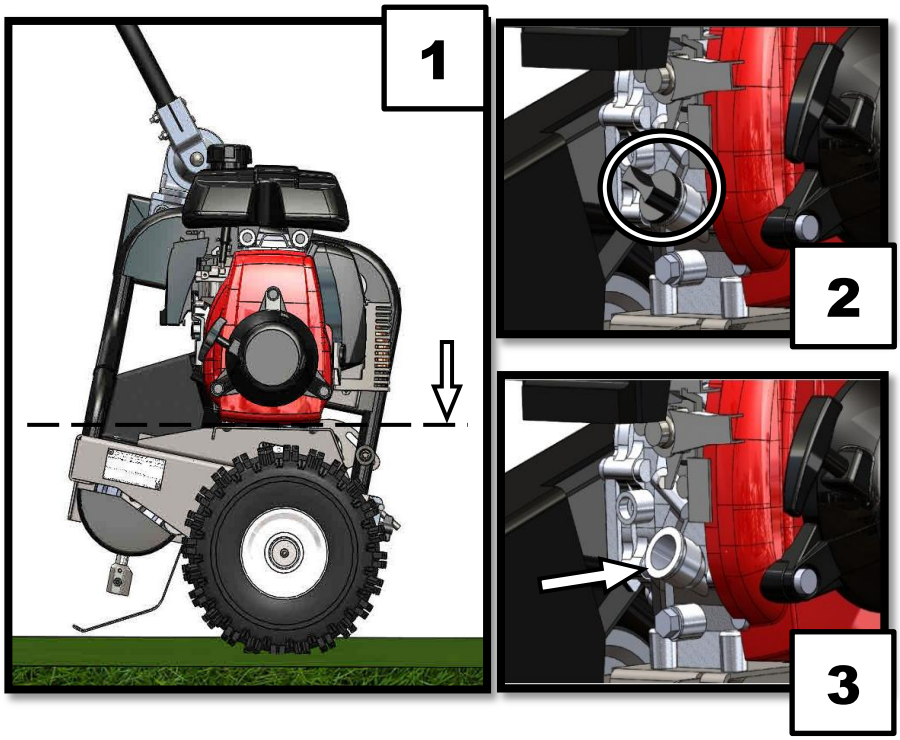
2.2.5 Preparing and starting engine

The *PWM600MH™ Perimeter Wire Machine* is equipped with a Honda 4-stroke GXH-50cc engine.

2.2.5.1 Engine Oil

Fill the Honda engine with a maximum of 0.25 liters of SAE 10W-30 API SJ oil. For special uses and in extreme temperature conditions, consult the Honda engine manual.

The engine has an inclination of 10° on the chassis. To ensure that the right amount of oil is in the engine, follow these instructions:



IMPORTANT: To put oil in the engine, the blade and the wire guide must not be installed.

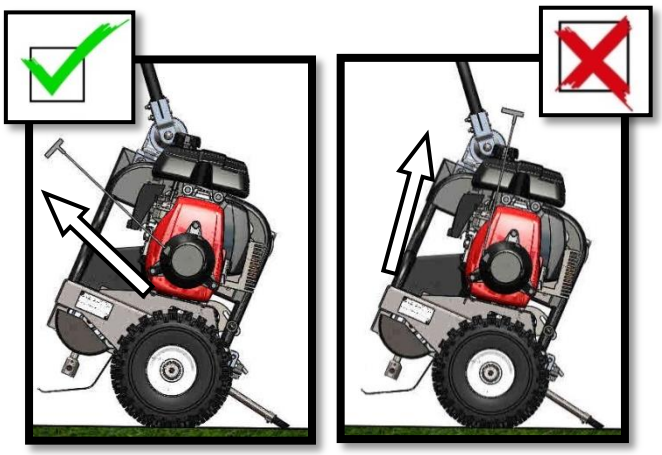
1) Place the machine on a flat surface and in a manner that the engine is level *(Figure 1);*
2) Fill the crankcase *(Figure 2 and Figure 3);*
3) Check the oil level. It should be up to the edge of the opening when the engine is level *(Figure 3).*

2.2.5.2 Gasoline (petrol)

IMPORTANT: Fill the tank with the machine resting on the support foot to avoid overfilling.

Fill the tank with **UNLEADED** gasoline. Do not use an oil/gasoline mixture. This machine is equipped with a four-stroke engine. Consult the Honda engine manual for more information.

2.2.5.3 First use



IMPORTANT: Before installing the blade and wire guide, start the engine and let it run at idle speed for five (5) minutes.

Consult the Honda engine manual for starting instructions. The on/off switch is located on the engine.

Take care to pull the starter grip in the output axis of the rope. If it is pulled vertically, the friction of the rope on the plastic housing may damage the rope and/or the housing *(see Figures).*

IMPORTANT: Let the engine idle for five (5) minutes.

2.2.5.4 Oil level warning system (Oil Alert™)

The Honda engine GXH-50 is equipped with the *Oil Alert™* system that automatically cuts the ignition when the oil level in the crankcase falls below a safe level. The *Oil Alert™* system also stops the engine when the engine's operating angle exceeds 20 degrees (± 4 degrees).

Check the oil level before each use. Add oil if necessary.

2.2.5.5 Stopping the engine

To stop the engine:

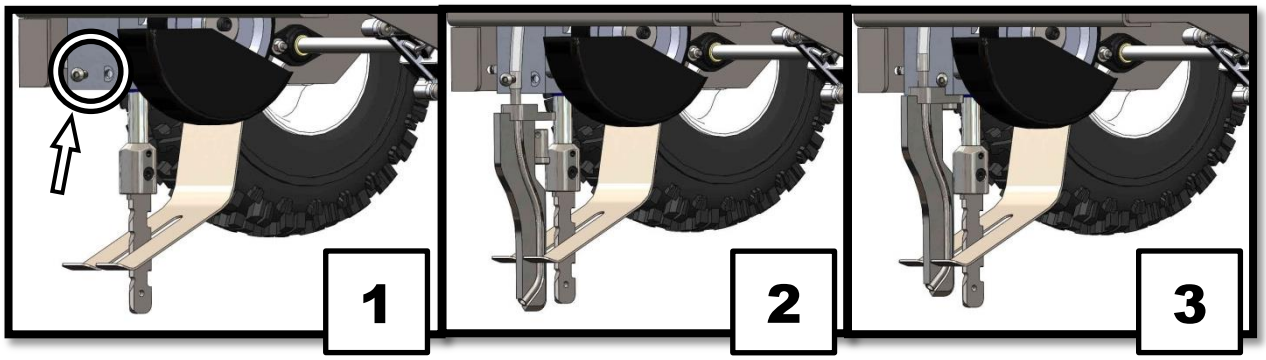
1) Release the traction lever if the machine is in motion;
2) Lower the throttle lever to idle;
3) Turn the switch to the OFF position.

IMPORTANT: If the on/off switch fails, close the choke to stop the engine.

If you do not intend to start the engine soon and if you need to move the machine, wait until the blade and all moving parts have stopped and turn the fuel valve to the OFF position.

2.2.6 Installing the wire guide

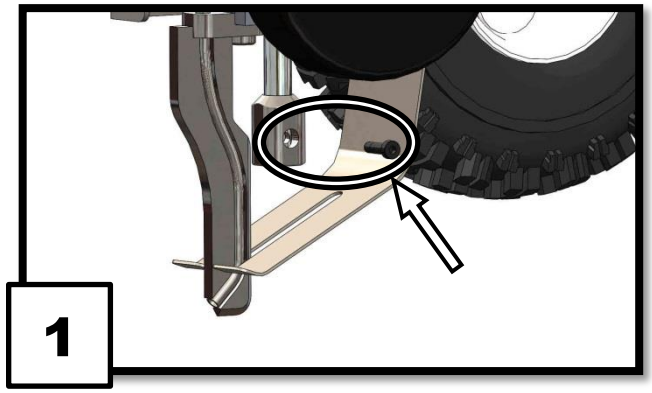
Remove the bolt from the blade transmission housing. Position the wire guide in the cavity and tighten the bolt *(Figures below).*

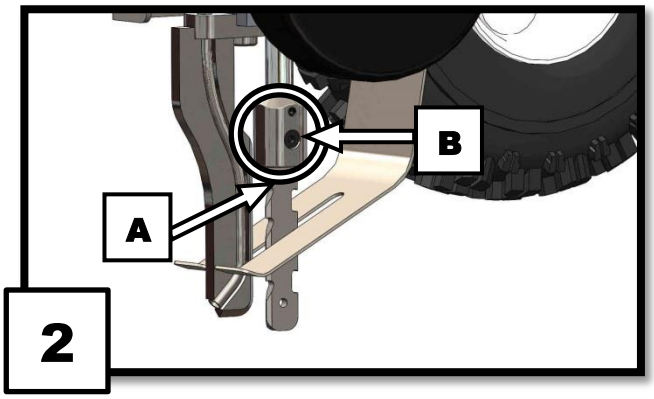


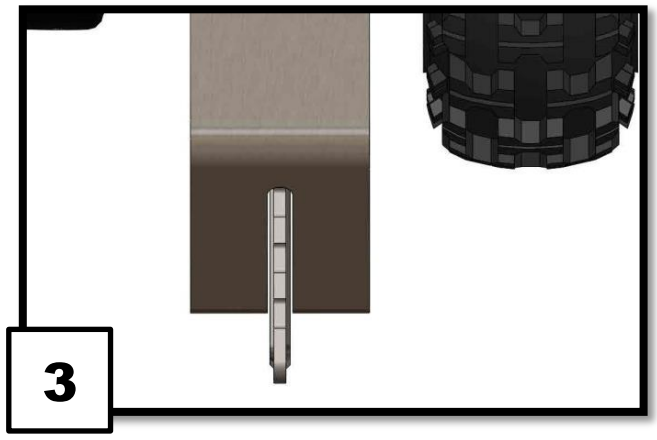
2.2.7 Installing the blade

IMPORTANT: Type 7 blade included has two sides: one for hard, compacted soil, and one for normal grass. Experiment with both sides and choose the side best suited to the terrain. You may insert a pin or your 4 mm hex tool in the hole near the blade bottom to help removal.

1) Remove the blade holding screw *(Figure 1);*
2) Insert the blade into the bottom of the block *(Figure 2, A);*
3) Insert the screw and tighten *(Figure 2, B).*
4) Adjust the sliding foot *(Figure 3);*
5) Make sure the slot in the sliding foot is centered and not touching the blade or the wire guide *(Figure 3).*







3.0 USAGE

IMPORTANT: Its compact size and low weight allow the *PWM600MH™* Perimeter Wire Machine to be easily carried in a small vehicle. It is strongly recommended that you turn the fuel valve to the off position (OFF).

Before each use:

- Check the soil consistency and the deepest possible insertion depth
- Check the engine oil level
- Check the blade attachment
- Check the attachment of the wire guide
- Check the tire pressure

3.1 Installing the perimeter wire spool

The *PWM600MH™ Perimeter Wire Machine* is designed to accommodate most wire spools provided by the manufacturers of robot lawnmowers.

IMPORTANT: Four (4) spacers are provided (2 x 6.5 cm and 2 x 3 cm) for centering the spools, the wire boxes or the drum on the shaft. If necessary, these should be inserted on the left and right of centering hubs depending on the width of the spool.

3.1.1 Spools mounted on a drum

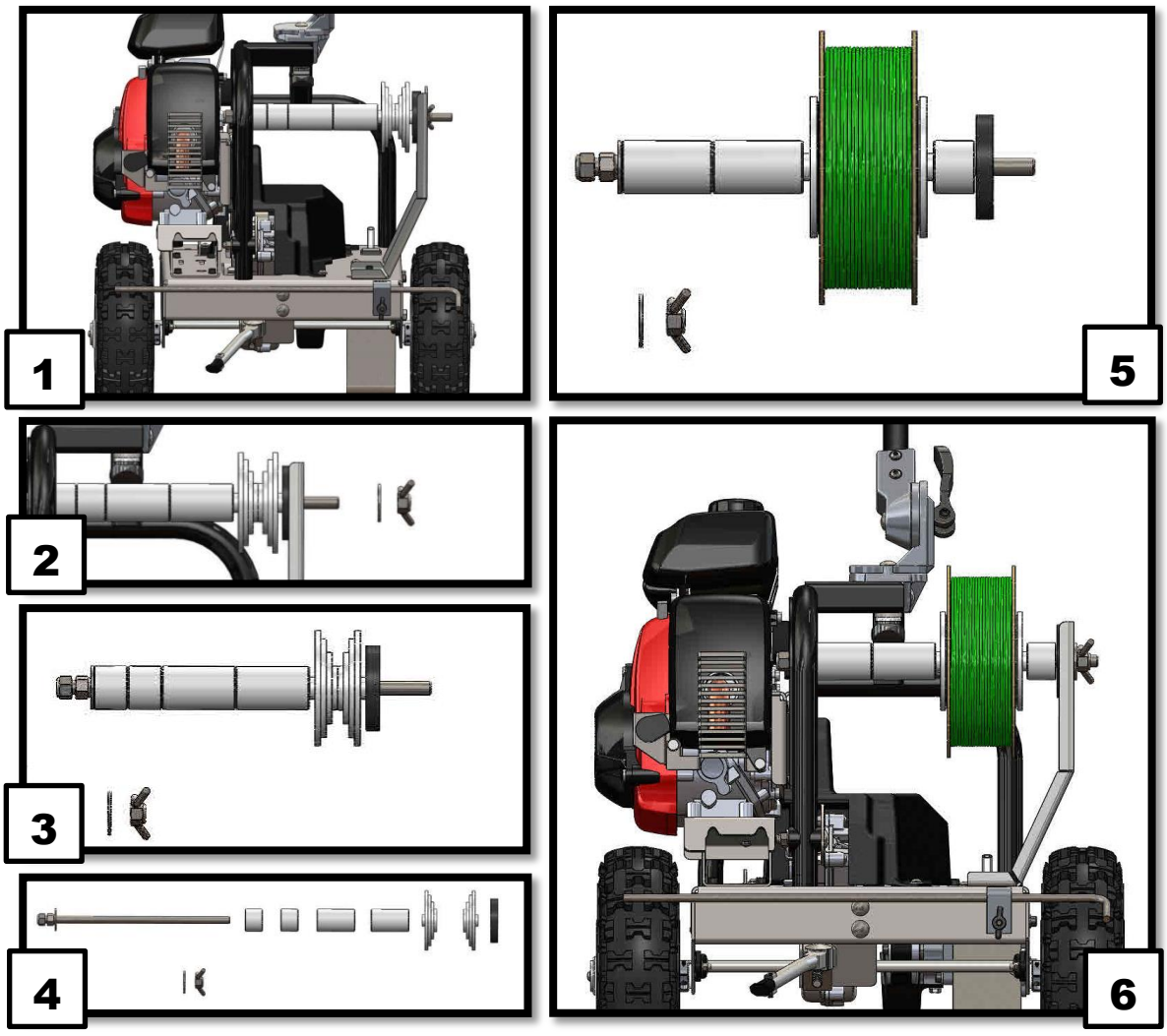
The hardware provided allows the installation of most models up to 500 meters:

1) Upon receiving the machine, the hardware *(Figure 1)* is already installed on the shaft;
2) Loosen the wing nut and remove it with the flat washer *(Figure 2 and 3);*
3) Slide the shaft (with all hardware on it) to take it out. Remove the hardware from it *(Figure 4);*
4) Insert in the desired sequence for the intended spool *(Figure 5);*

   NOTE: Depending on the width of the spool, the use of the number of spacers may vary. Their use goes with good judgment to center the spool and to avoid long wing nut loosen/tighten.

   a. Spacer(s)
   b. The left centering hub
   c. The coil (supported at the right level (depending on diameter)) on the hub
   d. The right centering hub
   e. Spacer(s)
   f. The rubber washer

5) Install the shaft by sliding it back to its slots (arch and adjustable spool support). Adjust the spool support if needed *(Figure 6);*
6) Put back the flat washer and the wing nut on the shaft *(Figure 6);*
7) Tighten the wing nut and be sure to apply sufficient tension on the spool so that it does not run freely *(Figure 6);*
8) Insert the wire into the wire guide.



3.1.2 Wire coils without drums

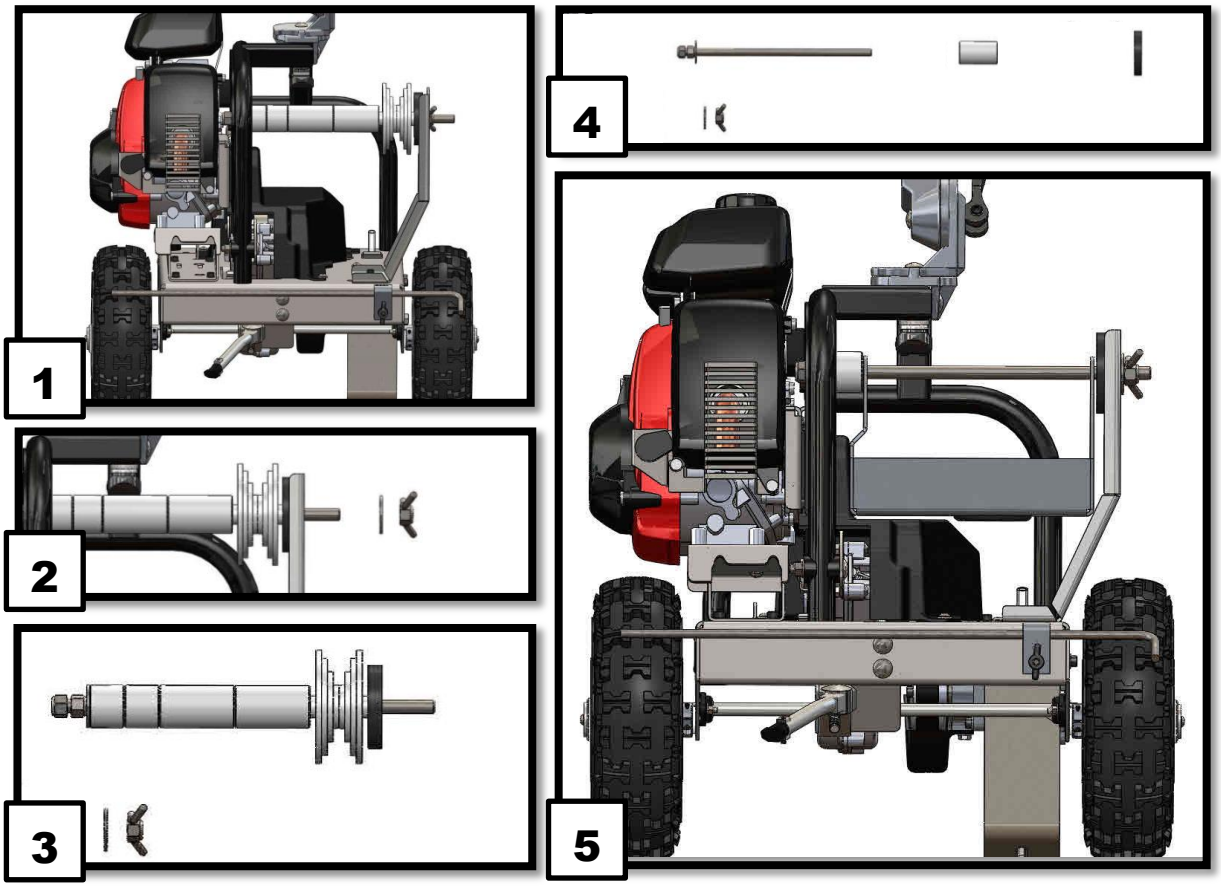
3.1.2.1 Wire coils that empty through the center

Some manufacturers provide a coil designed to be emptied through the center. Two (2) Perimeter Wire Boxes ***(18 CM X 18 CM – Part number PWMA-0002 and 22.5 CM X 22.5 CM – Part number PWMA-0003)***, that are available as optional accessories for the *PWM600MH™ Perimeter Wire Machine*, accept this type of coil (up to 17.5 cm or 21 cm diameter, depending of the wire box used):

1) Upon receiving the machine, the hardware *(Figure 1)* is already installed on the shaft;
2) Loosen the wing nut and remove it with the flat washer *(Figure 2 and 3);*
3) Slide the shaft (with all hardware on it) to take it out. Remove the hardware from it *(Figure 4);*
4) Insert in sequence *(Figure 5):*
    a. One (1) 6.5 cm spacer for the PWMA-0002 or no spacer for the PWMA-0003

b. The wire box
c. The rubber washer

5) Be careful to not lose the uninstalled parts;
6) Install the shaft by sliding it back to its slots (arch and adjustable spool support). Adjust the spool support if needed *(Figure 5);*
7) After putting back the shaft, insert the flat washer and the wing nut. Tighten the wing nut and be sure to apply sufficient tension on the wire box so that it does not run freely *(Figure 5);*
8) Place the coil in the box without removing it from its packaging and run the end through the grommet in the wire box.
9) Insert the wire into the wire guide.



3.1.2.2 Wire coils without a drum

Some manufacturers provide wire designed to be manually wound on a drum. As an optional accessory for The *PWM600MH™ Perimeter Wire Machine*, a ***PERIMETER WIRE DRUM (part number: PWMA-0001***) is available for this type of wire to be wound upon:

1) Upon receiving the machine, the hardware is already installed on the shaft;
2) Loosen the wing nut and remove all hardware *(Figure 1);*

3) Remove the two (2) screws and their small washers to take out the adjustable spool support. Once removed, put the screws and washers back in place to avoid losing them *(Figure 2);*

4) Remove the nylon nut from the shaft using locking pliers (at middle of the shaft to prevent damaging the essential threads) and a 19 mm socket wrench. Install the shaft in the appropriate hole of the frame. Put back the nylon nut on the shaft and tighten it *(Figure 3);*

5) Remove the hardware from the shaft and insert in the following sequence *(Figure 4):*

    a. One (1) 6.5 cm spacer (no flat washer before)
    b. The rubber washer
    c. The left centering hub (facing away from the drum)
    d. The drum (with the handle to the top)
    e. The right centering hub (facing away from the drum)
    f. The flat washer and the wing nut

    NOTE: The other spacers are not used for the *PERIMETER WIRE DRUM*.

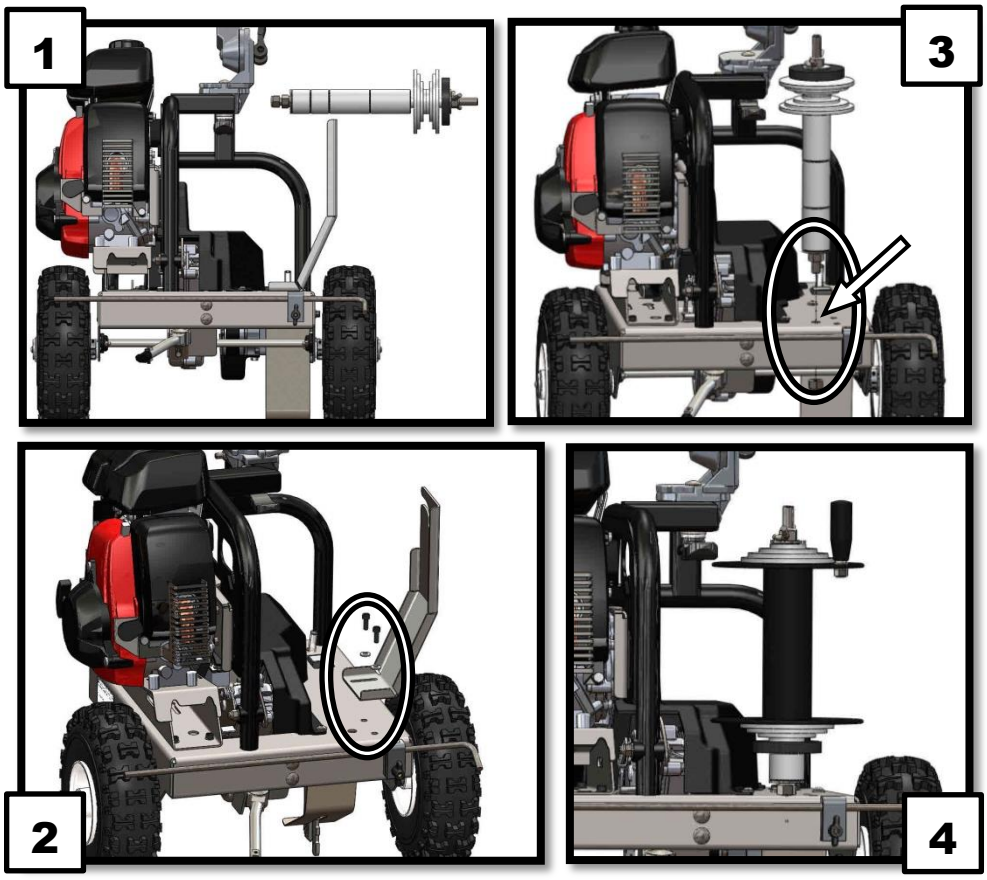
6) Tighten the wing nut making sure the drum can be rotated with the handle *(Figure 4);*

7) Attach the end of the wire to the drum;

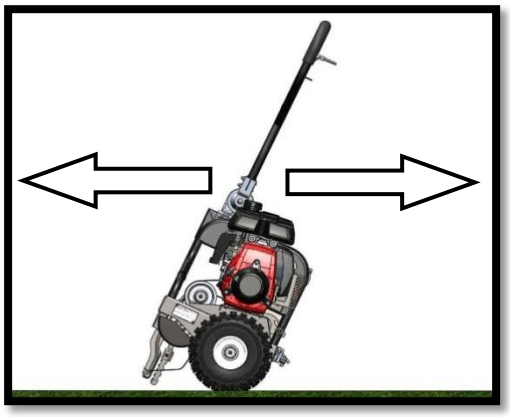
8) Wrap the wire around the drum by turning the handle;

9) Tighten the wing nut, applying sufficient tension on the drum so that it does not turn freely;

10) Insert the wire into the wire guide.



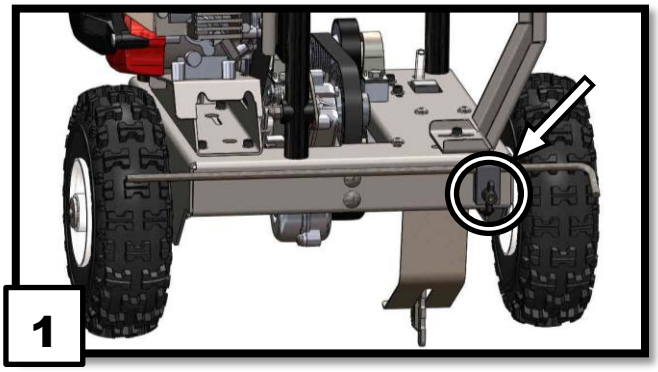
3.2 Moving the machine to the working zone



To move the machine to the working zone:

1) Loosen the clamping lever on the handle;
2) Pivot the handle until it is vertical on the machine;
3) Lift the support foot in front the machine;
4) Pull or push the machine to the work area.

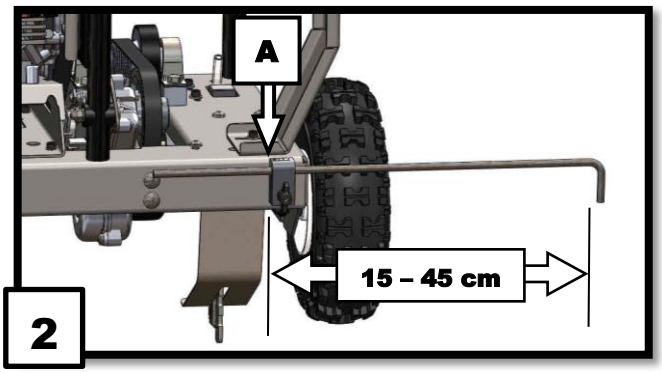
3.3 Using the distance guide



The *PWM600MH™ Perimeter Wire Machine* is equipped with an adjustable distance guide. It allows the machine to align itself with the edge of the course and bury the wire at a distance ranging from 15 cm to 45 cm. To use it:

1) Loosen the wing nut *(Figure 1);*
2) Set the distance guide to the desired distance, between 15 and 45 cm *(Figure 2);*

   NOTE: The 0 cm measure is situated to the left of the distance guide retaining box *(Figure 2, A*). This part of the box is aligned with the blade;
3) Tighten the wing nut.

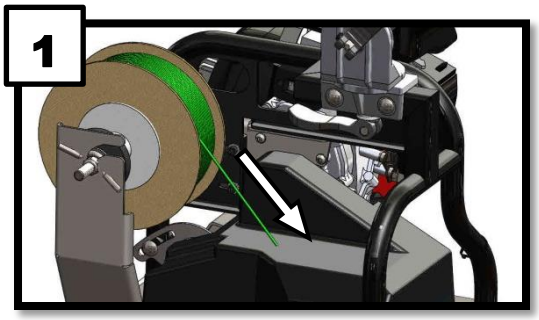


3.4 Self-propulsion

The *PWM600MH™ Perimeter Wire Machine* is equipped with a transmission for self-propulsion. This allows for a constant rate of installation and considerably reduces operator effort.

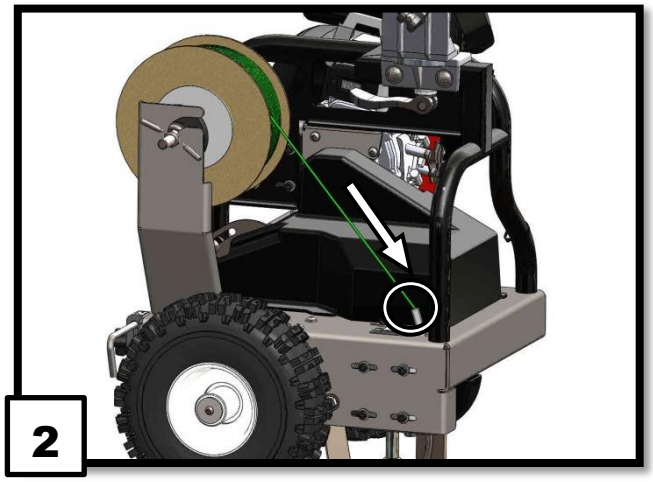
To engage it, simply apply pressure to the traction handle *(see Figure).*

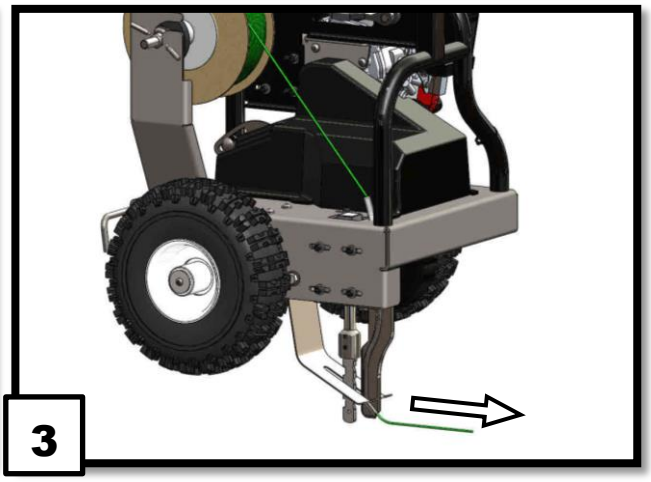
3.5 Inserting the perimeter wire in the wire guide



Proceed as follows :

1) Pull the end of wire from the coil *(Figure 1);*
2) Insert the wire into the plastic tube *(Figure 2);*
3) Push the wire until it exits the wire guide *(Figure 3).*



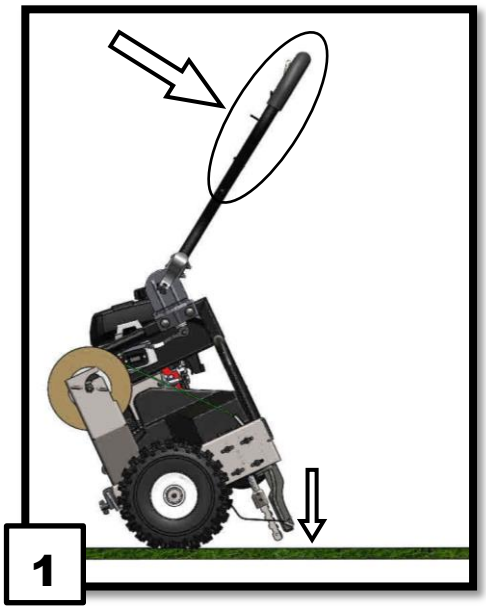


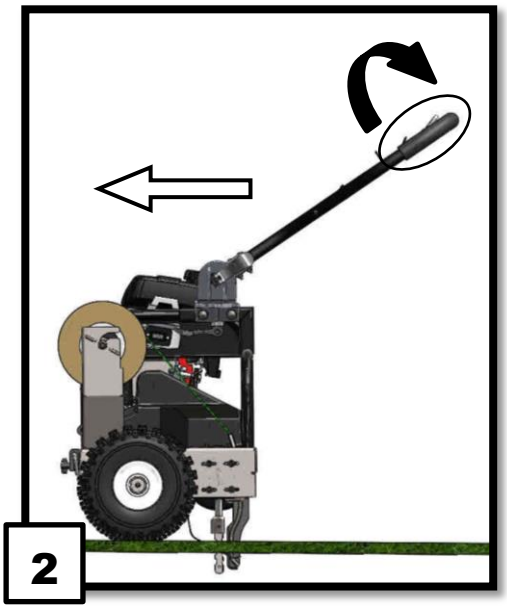
3.6 Burying the perimeter wire in the ground

Refer to the manufacturer's instructions of the robot mower for the technical specifications for installation of perimeter wire.

Initially, attach the end of the wire to a stake or a tool planted in the ground.

1) Start the engine and open throttle fully;
2) Lift the support foot in front the machine;
3) Slowly insert the blade into the ground by pressing down on the handle until the frame is parallel to the ground *(Figure 1);*
4) Apply pressure to the traction handle to move the machine *(Figure 2).*

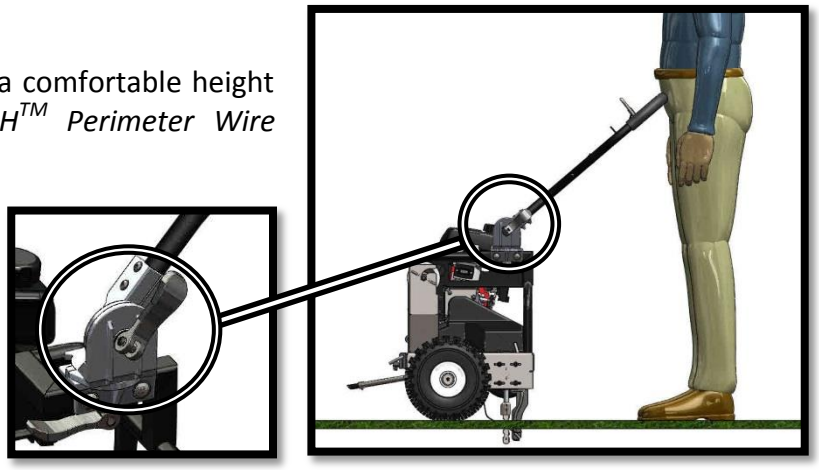




3.7 Adjusting the handle height

It is important to adjust the handle to a comfortable height before working with the *PWM600MH™ Perimeter Wire Machine*.

The recommended handle position is at the waist level, but adjust it to your preferred height using the handle clamping lever *(see Figures).*

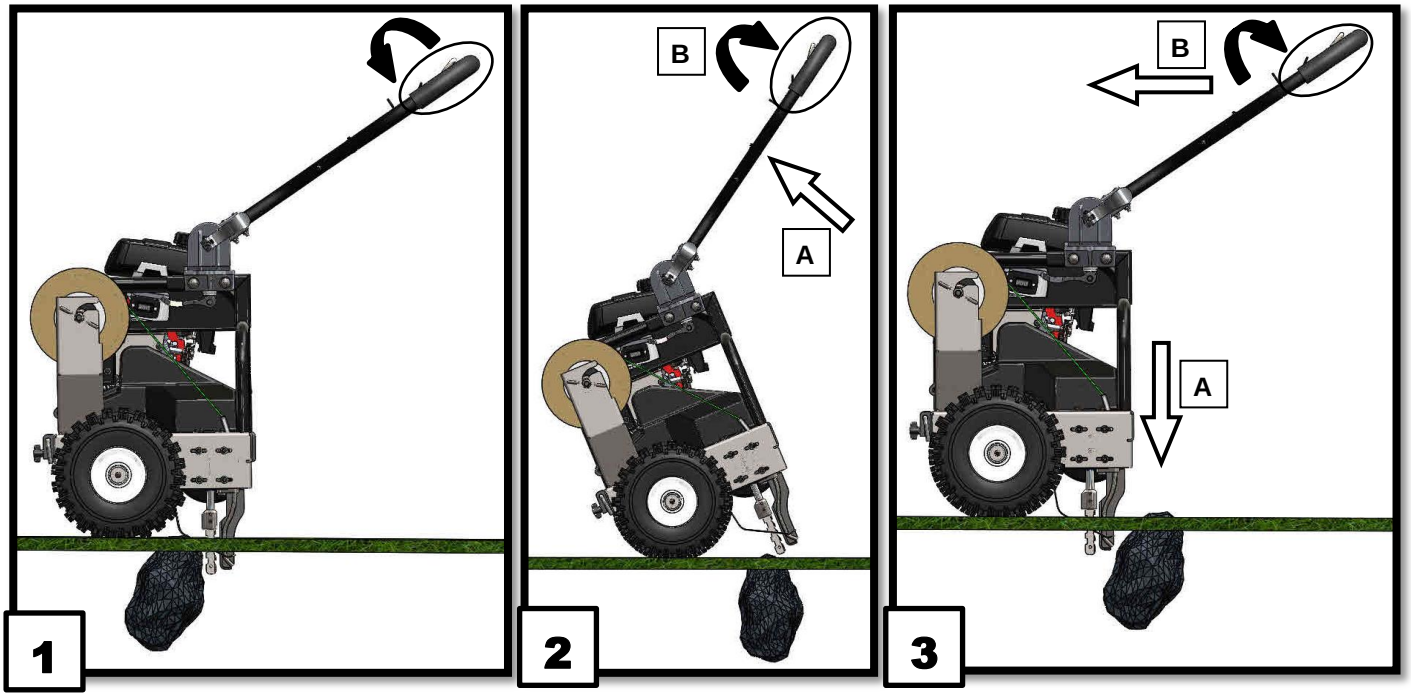


3.8 How to overcome an obstacle in the ground

When burying the wire in the ground, some immovable obstacles such as large rocks or roots will be encountered. To avoid damage to the blade and/or the machine, follow the instructions below:

IMPORTANT: Do not push the blade against the obstacle in an attempt to try to cut or displace it.

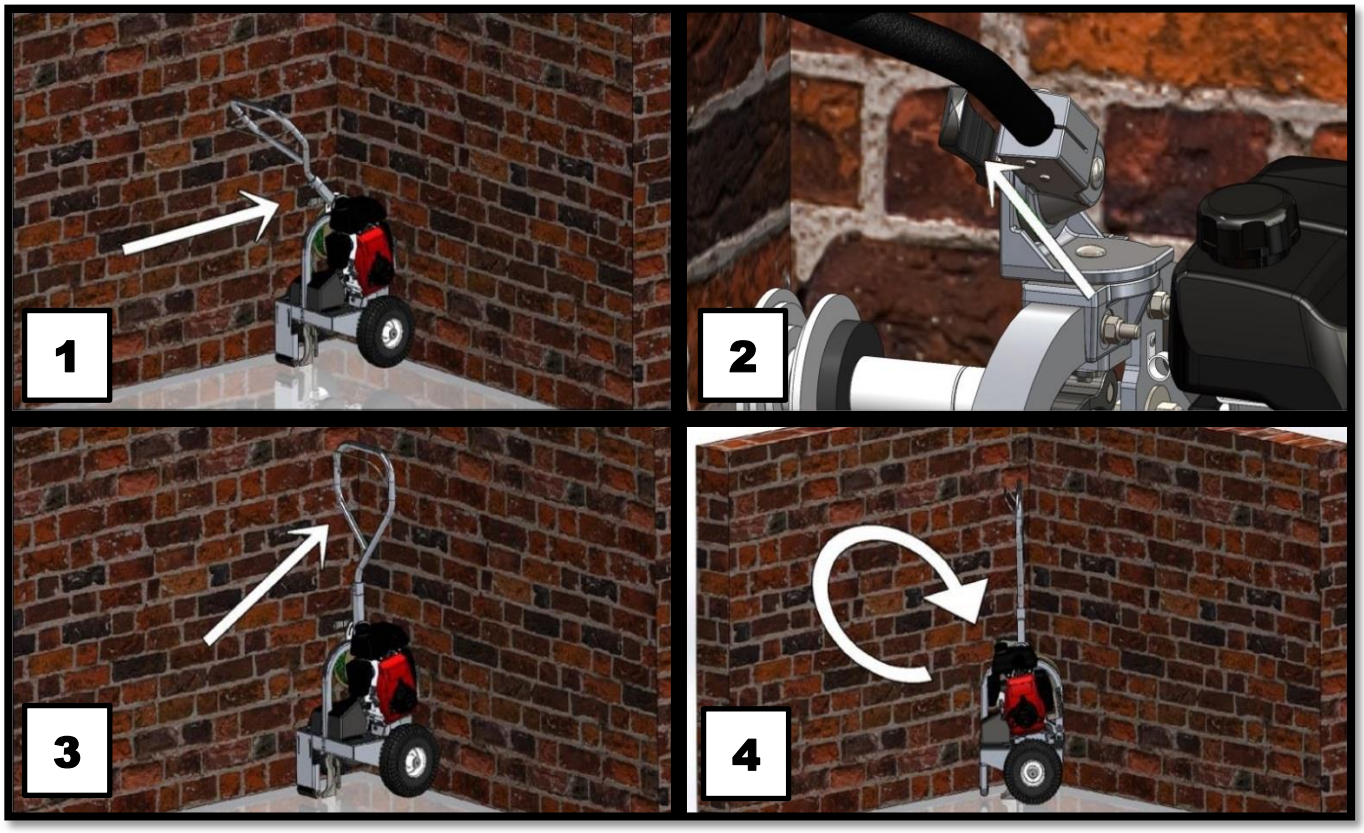
1) Release the traction handle *(Figure 1);*
2) Push the handle upwards, trying to keep the blade and the wire guide in the soil *(Figure 2, A);*
3) Lightly press on the traction handle to pass over the obstacle *(Figure 2, B);*
4) Lower the machine so that the frame is parallel to the ground *(Figure 3, A);*
5) Resume the job by pressing the traction handle *(Figure 3, B).*



3.9 Insertion of perimeter wire in a tight corner

When designing the *PWM600MH™ Perimeter Wire Machine*, every feature has been implemented to allow burying of the wire as close as possible to the perimeter of the field and to avoid manual burying of wire. Its compact size and the 15 cm blade offset from the outside of the wheel are good examples. The handle is also designed to quickly and easily pivot as needed to turn a tight corner. To optimally bury wire in a tight corner, follow the steps below:

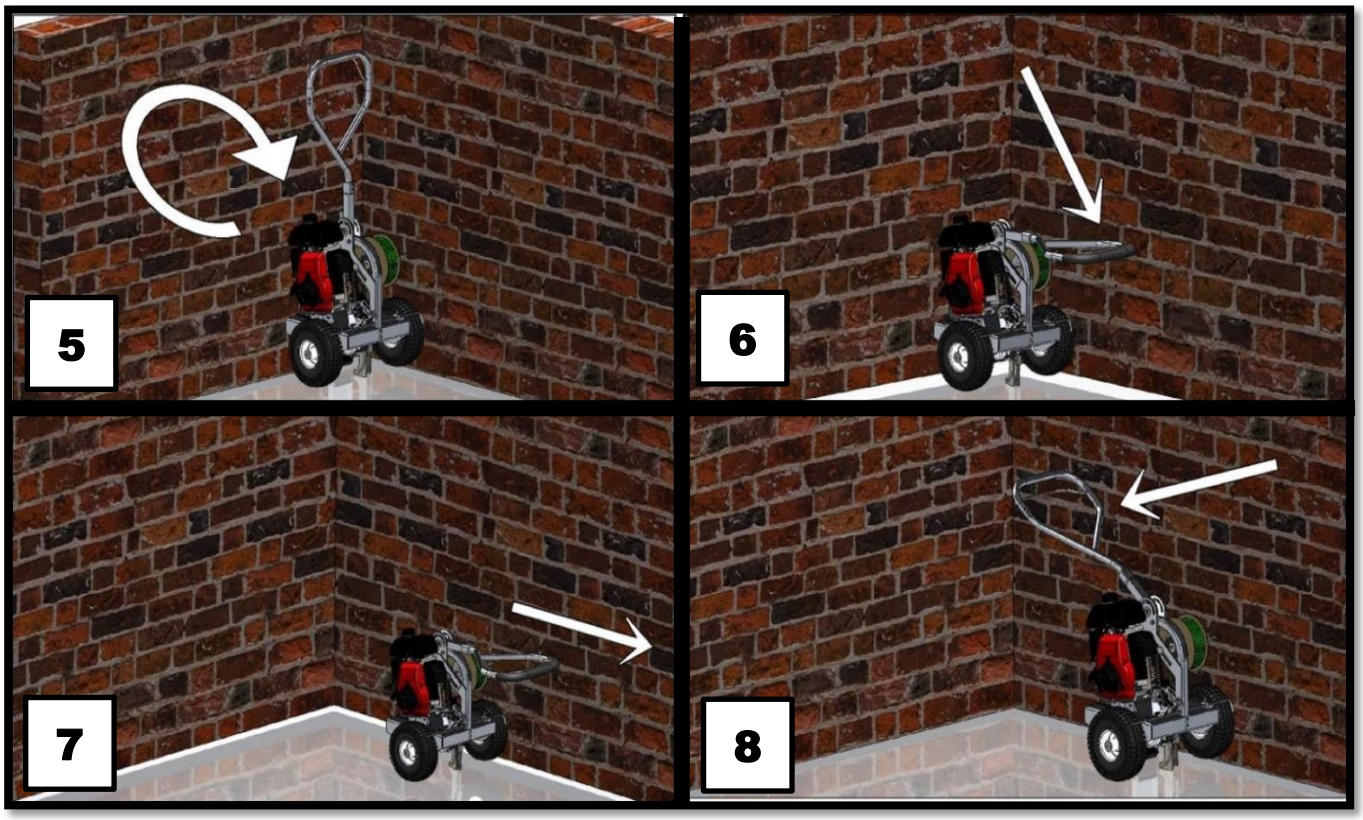
1) Move as far as possible into the corner (depending on the distance recommended by the manufacturer of the robot mower) *(Figure 1);*
2) Loosen the handle clamping lever *(Figure 2);*
3) Lift the handle until vertical *(Figure 3);*
4) Turn the machine in the desired direction by grasping the arch *(Figure 4 and 5);*



5) Lower the handle until horizontal *(Figure 6);*

6) With your left hand on the chassis and your right hand on the traction handle, move the machine far enough to clear the corner and resume the normal working position (press the traction handle to move the machine) *(Figure 7);*

7) Once out of the corner, move the handle to the desired position to continue burying the wire *(Figure 8).*



4.0 MAINTENANCE

Some adjustments should be performed periodically to maintain the machine in good working condition. Here is the maintenance schedule:

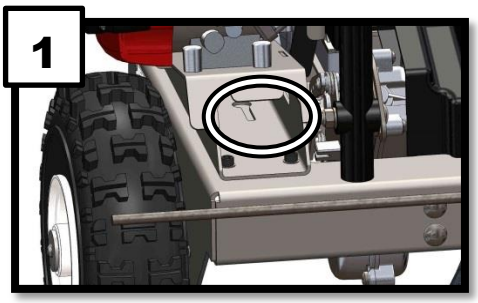
ACTION	Before each use	After each use	Every 10 hours	Every 25 hours	Every 100 hours	Before storage
Check blade attachment	x					
Check the attachment of the wire guide	x					
Check the tire pressure	x					
Check the oil level	x					
Check the blade	x			x		
Clean the top and bottom of the machine		x		x		x
Clean underneath the guards		x		x		x
Clean the blade		x		x		x
Clean the blade attachment system		x		x		x
Clean the inside of the wire guide		x		x		x
Clean the tires		x		x		x
Lubricate the blade transmission				x		x
Inspect and tighten the belts			x			x
Inspect and tighten bolts and nuts			x			x
Check the engine as specified by the Honda manual			x	x	x	

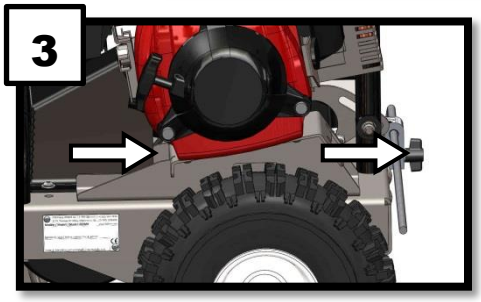
4.1 Belt adjustment

The *PWM600MH™ Perimeter Wire Machine* is equipped with three (3) belts. These should be inspected and/or adjusted every ten (10) hours of use. In some cases, they should be replaced. The main reasons for replacing a worn belt are: cracking, loss of material, fraying, uneven wear or shiny spots resulting from heat or skating.

4.1.1 Adjusting the engine belt

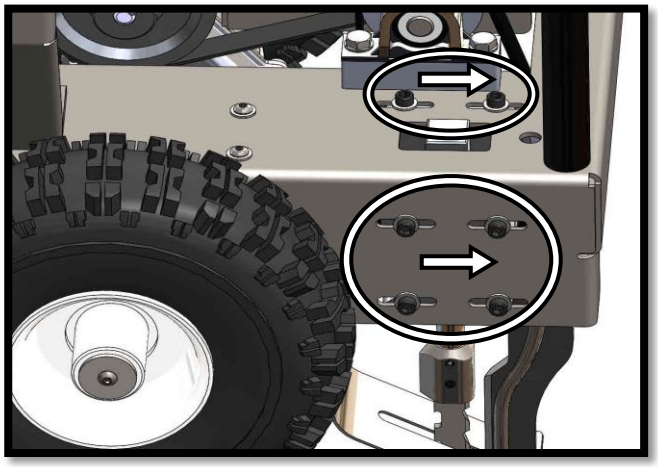
1) Loosen the 4 bolts *(Figure 1 and 2);*
2) Apply pressure by hand to the engine mount until the belt is tight *(Figure 3);*
3) Tighten the 4 bolts.





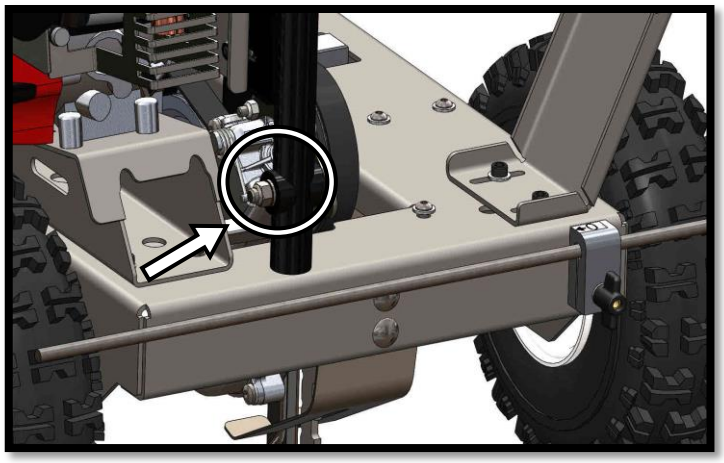
4.1.2 Adjusting the blade transmission belt

1) Loosen the 6 bolts *(see Figure);*
2) Move the blade transmission to achieve the desired tension;
3) Tighten the 6 bolts.



4.1.3 Adjusting the wheels transmission belt

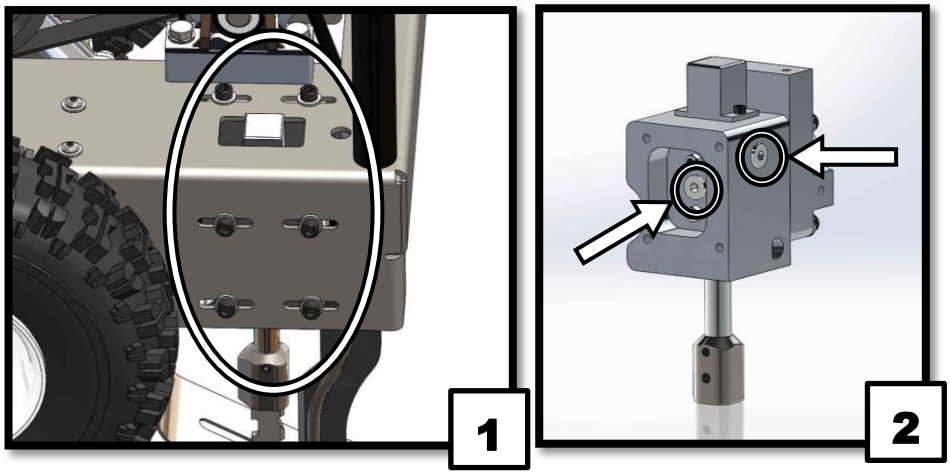
1) Loosen the nut with 13 mm wrench;
2) Pivot the transmission on its axis to achieve the desired tension;
3) Tighten the nut.



4.2 Lubricating the blade transmission

It is important to ensure that the blade transmission is well greased. It is recommended to ensure this periodically (every 25 hours of use of the machine).

1) Loosen the four (4) bolts on the side *(Figure 1);*
2) Loosen the two (2) bolts on the top *(Figure 1);*
3) Remove the blade transmission *(Figure 2);*
4) Remove both plugs *(Figure 2);*



5) Add a **small amount** of grease to compensate for shaft leakage. **Do not fill with grease!**
6) Replace the two (2) plugs;
7) Reinstall the transmission;
8) Replace all six (6) bolts. Do not tighten yet;
9) Replace belt and adjust tension;
10) Tighten all six (6) bolts.

IMPORTANT: Use only GS-1000 Prolab 100% synthetic grease or equivalent. *(Refer to Schedule II)*

4.3 Storage

Always store the *PWM600MH™ Perimeter Wire Machine* on its tires. Please consult the Honda engine user manual for storage instructions.

4.4 Engine

Maintain the engine according to the instructions provided in the Honda engine user manual.

5.0 ADDITIONAL INFORMATION

5.1 Accessories

The following accessories are available for the *PWM600MH™ Perimeter Wire Machine*:

- PWMA-0001 - PERIMETER WIRE DRUM
- PWMA-0002 - PERIMETER WIRE BOX (18 CM X 18 CM)
- PWMA-0003 - PERIMETER WIRE BOX (22,5 CM X 22,5 CM)

5.2 Spare parts

Spare parts are available from your distributor or by contacting us directly. Please refer to the exploded view in *Schedule I* at the end of this manual to identify the part numbers.

5.3 Warranty

The *PWM600MH™ Perimeter Wire Machine* by *Portable Winch Co.* is guaranteed against all manufacturing defects when owned by the "*original owner"* as defined here below.

The *"original owner"* is defined as the person or entity that purchased the machine from an authorized dealer as shown by the original invoice. The warranty is transferable if the new buyer holds a copy of the original invoice. This warranty does not apply to items sold "*as is*".

The *PWM600MH™ Perimeter Wire Machine* by *Portable Winch Co.* is covered:

- Engine: The Honda engine is guaranteed by *Honda Motor Corporation*, and the warranty period may vary from one country to another and according to the type of use. All Honda service centers may make warranty repairs, if necessary. Please keep your proof of purchase (original invoice including the serial number of the machine). It will be used to establish the start date of the warranty period.
- Machine parts (other than the engine):
    - 1 year warranty (serviced by *Portable Winch Co.* or retailers).

Portable Winch Co. will repair or replace defective parts without charge for parts or labor if the part fails due to a defect in materials or workmanship during the warranty period.

Parts not covered under this warranty:

Parts normally maintained by the customer and that wear with normal and regular use include belts, blade, wire guide and wire guide connector, filters, springs, plugs, starter ropes and all other parts defined as those coming into contact with the ground or the wire.

5.4 CE Declaration of conformity

DECLARATION OF CONFORMITY

We of	**PORTABLE WINCH CO.** 1170 Thomas-Tremblay St. Sherbrooke, QC J1G 5G5 CANADA Tel: +1 819 563-2193 www.portablewinch.com
Declare that this products	**Perimeter wire machine** Model PWM600MH Serial number PWM100013 and up
For intended purpose	Burying a wire to a depth of 4 to 6 cm on soils where the grass grows

Fulfills all relevant provisions of Machinery Directive 2006/42/EC

And also fulfills all relevant provisions of

- 2004/108/CE Electromagnetic Compatibility Directive
- 2000/14/CE Environmental Noise Directive

Acoustic measurements were taken in accordance with the ISO3744: 2010. Reported value is:

- Guaranteed sound power level – LWA: 103 dB(A) with included uncertainty KwA = 2,5 dB

Mr. Gerold Vonblon, Landstrasse 28, A-6714 Nuziders
Is authorized to compile the technical file.

Signed by

Name: Pierre Roy
Position: Managing Director

Done at Sherbrooke, QC, Canada
On January 21st, 2015.

5.5 Technical data

- Engine: 4-stroke Honda GXH-50cc
- Steel frame
- Self-propelling transmission
- Weight (dry): 34.1 kg
- Dimensions (overall): 56 cm X 46 cm X 125 cm
- Maximum speed of wire burial: 15 meters per minute

5.6 Sound power levels

As measured according to EN ISO 3744:2010

Guaranteed sound power level:

- Idle engine speed: LWA value of **84 dB(A)** with included uncertainty KWA = 2,5 dB
- Full throttle engine speed: LWA value of **103 dB(A)** with included uncertainty KWA = 2,5 dB

Sound pressure level at the operator's position:

- Idle engine speed: LpA value of **72 dB(A)** with included uncertainty KWA = 2,5 dB
- Full throttle engine speed: LpA value of **91 dB(A)** with included uncertainty KWA = 2,5 dB

5.7 Vibration level

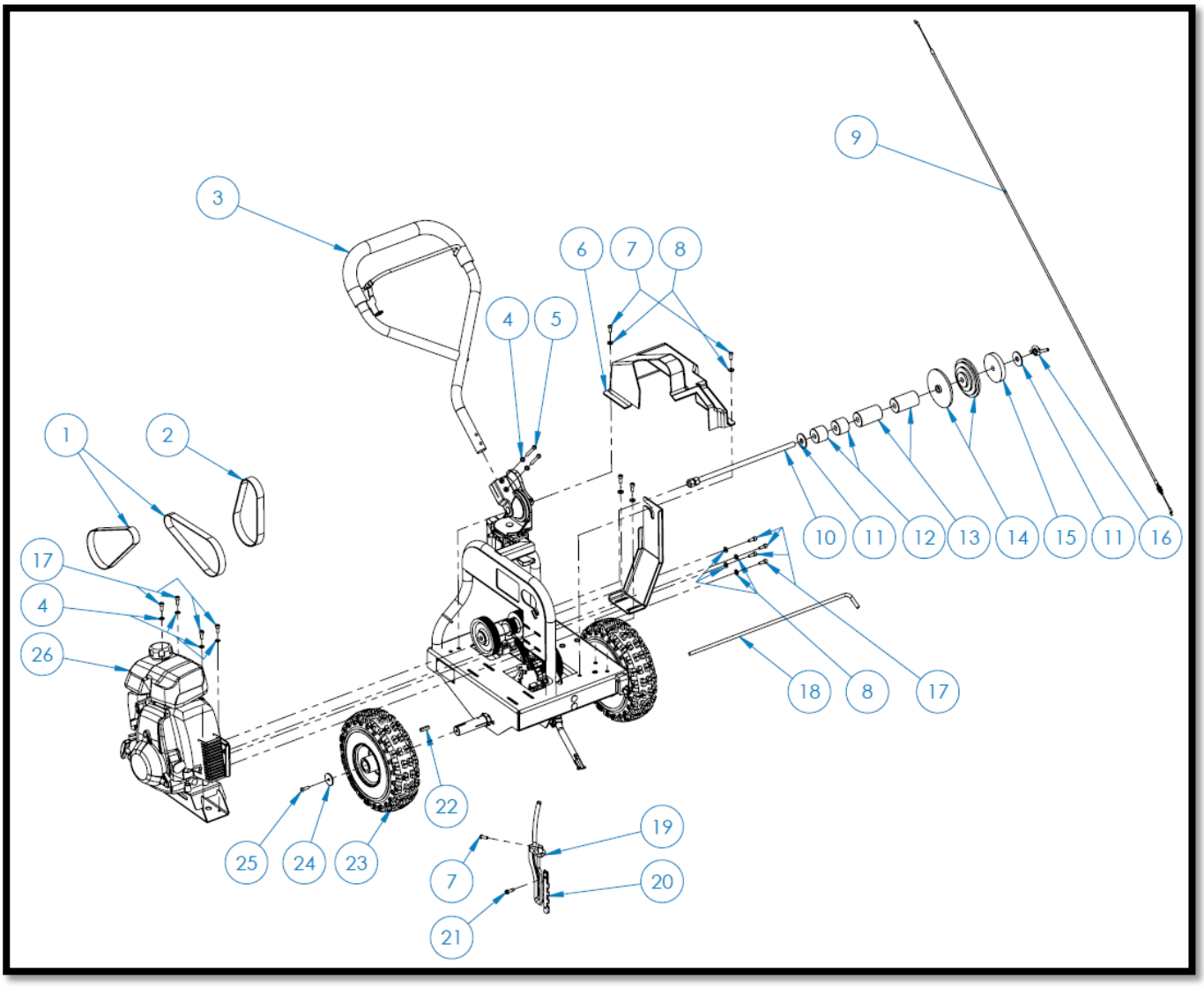
The measured vibration level at the operator position is 25.39 m/s^2.

5.8 Manufacturer

The *PWM600MH™ Perimeter Wire Machine* is manufactured by:

Portable Winch Co.
1170, Thomas-Tremblay St.
Sherbrooke, Québec, J1G 5G5
CANADA
Telephone: +1 819 563-2193
Toll Free (Canada & USA): 1-888-388-PULL (7855)
Fax: + 1 514 227-5196
E-mail: info@portablewinch.com
Web site: *www.600mh.com*

Schedule I: Exploded views and parts lists



PWM600MH - PERIMETER WIRE MACHINE - 600MH		
VIEW	PART #	DESCRIPTION
1	43-0035	BELT 220-J 8 GROOVES
2	43-0044	BELT 190-J 8 GROOVES
3	70-0039	HANDLE ASS'Y
4	35-0001	INTERNAL TOOTH LOCK WASHER TYPE-A 1/4 - ZN
5	32-0027	BHCS M6-1.0 X 45mm - ZN
6	10-0243	BELT COVER
7	32-0004	BHCS M6-1.0 X 16mm - SS
8	36-0001	FLAT WASHER M6 - ZN
9	41-0015	THOTTLE CABLE ASS'Y
10	10-0348	THREADED ROD M12-1.75 X 330 - ZN
11	35-0004	FLAT WASHER 1/2 - ZN
12	10-0257	SHORT PLASTIC SPACER

13	10-0258	LONG PLASTIC SPACER
14	10-0231	SPOOL CENTER HUB
15	10-0220	RUBBER DAMPER
16	10-0265	WING NUT
17	32-0039	SHCS M6-1 X 16mm - BLACK
18	10-0214	DISTANCE ROD
19	70-0056	WIRE GUIDE ASS'Y
20	10-0303	BLADE TYPE 7
21	32-0014	REAMER BOLT M6-1.0 X 23 - BLACK
22	43-0034	KEY 1/4 X 1/4 X 1
23	44-0038	TIRE AND HUB 4.10 X 10
24	10-0102	RETAINING WASHER 1/4 X 1-1/4 - ZN
25	32-0005	BHCS M6-1.0 X 20mm - SS
26	70-0036	ENGINE ASS'Y

Schedule II: Characteristics of GS-1000 Prolab synthetic grease

Characteristics	ASTM test	Typical values
Appearance		Beige
N.L.G.I. grade		2
Viscosity at 40^{o}C	D445	46 cSt
Viscosity at 100^{o}C	D445	8 cSt
Viscosity index	D2270	145
Dropping point	D2265	300^{o}C