



Corded 16" Chain Saw

Safety & Operating Instructions



NEUTON Power Equipment

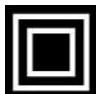
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! WARNING!

Read and understand this manual and all instructions before operating this Chain Saw.

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Conventions used in this Manual

DANGER!

This indicates a hazardous situation, which, if not followed, *will result in death or serious injury.*

WARNING!

This indicates a hazardous situation, which, if not avoided, *could result in death or serious injury.*

CAUTION!

This indicates a hazardous situation, which, if not avoided, *could result in minor or moderate injury.*

NOTICE

This information is important in the proper use of your tool. Failure to follow this instruction could result in damage to your tool or property.

TIP: This is a helpful hint to guide you in getting the most out of your NEUTON Corded 16" Chain Saw.

NOTE: This information may be helpful to you in using your Saw.

Neuton Power Equipment reserves the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your equipment.

NEUTON Corded 16" Chain Saw Product Specifications

Motor	
Input	120V AC
Controls	
ON/OFF	Single Trigger Switch w/Lock-Off Button
Handles	Soft Grip Rubber over Molded Handles
Chain Saw Housing	
Material	Injected Polypropylene
Bar Length	16 inches –Oregon Bar w/Safety Tip Blade & Protective Cover
Weight	4.42 lbs.
Bar, Chain & Motor Oiling	Automatic Pump System w/Oil Level Window

Chapter 1: Important Safety Considerations

We want you to enjoy years of safe and productive use from your NEUTON Corded 16" Chain Saw. We do not want you injured, so please take a few moments to read the following instructions for safely operating your new Tool.

Take a moment to study the following labels and make a note of their location *before* you operate the Saw. Replace damaged or missing safety and information labels immediately.



DANGER Serious injury or death from electrocution if power lines are contacted. Never use near any electrical source or wires.

WARNING To reduce the risk of injury, user must read and understand the operator's manual. Failure to follow instructions could result in serious injury to the user. Two hands are always to be used in operation of the chain saw. Wear eye protection and safety hard hat. Keep bystanders 50 feet (15m) away. Contact of the guide bar tip with any object should be avoided. Tip contact may cause the guide bar to kickback, which may cause serious injury to the user. When servicing use only identical replacement parts. Replace damaged cord immediately.

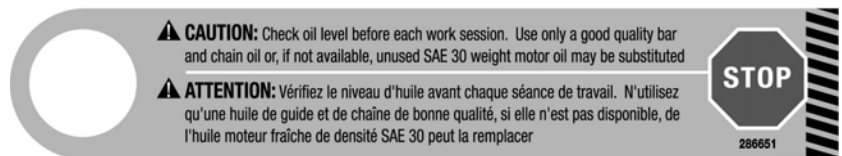
DANGER Pour éviter les risques de blessures graves ou de mort par électrocution, ne touchez jamais le cordon d'alimentation. N'utilisez jamais votre outil à proximité de câbles électriques.

ADVERTISSEMENT Pour réduire les risques de blessures, l'utilisateur doit lire et veiller à bien comprendre le manuel d'utilisation. Le non-respect de cette consigne peut entraîner des blessures corporelles graves. Tenez toujours fermement votre tronçonneuse à deux mains lorsque vous l'utilisez. Portez des lunettes de protection et un casque. Maintenez les visiteurs à une distance d'au moins 15 m de l'endroit où vous travaillez. Veillez à ce que l'extrémité avant du guide-chaîne n'entre pas en contact avec aucun objet. Cela pourrait projeter brusquement le guide-chaîne vers le haut et vers l'arrière et entraîner des blessures corporelles graves. Seules des pièces de rechange d'origine doivent être utilisées en cas de remplacement. Remplacer immédiatement les cordons endommagés.

286641

Made in China, Fabriqué en Chine

WARNING Label on Motor Housing, 286641



CAUTION: Check oil level before each work session. Use only a good quality bar and chain oil or, if not available, unused SAE 30 weight motor oil may be substituted

ATTENTION: Vérifiez le niveau d'huile avant chaque séance de travail. N'utilisez qu'une huile de guide et de chaîne de bonne qualité, si elle n'est pas disponible, de l'huile moteur fraîche de densité SAE 30 peut la remplacer

STOP

286651

CAUTION Label on the Oil Fill, 286651

Protecting Yourself and Those around You

WARNING!

- Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the Saw and the activity of cutting. Never assume that children will remain where you last saw them.
 - When felling a tree, keep everyone a safe distance from the cutting area. During felling operations, the safe distance should be at least twice the height of the largest trees in the felling area. If the tree makes contact with any utility line, notify the utility company immediately.
 - If the tree starts to fall in the wrong direction, or if the Saw is caught or hung up during the fall, leave the Saw and save yourself.
 - Only allow responsible individuals who have a thorough understanding of these instructions to operate the Saw. Never allow children to operate the tool.
 - If you are ever unsure about an action you are about to take, please do not do it.
-

Dressing Appropriately

WARNING!

- Always wear protective goggles or safety glasses with side shields that are marked to comply with ANSI Z87.1 standard when using your NEUTON Corded 16" Chain Saw to protect against thrown chips.
 - We recommend the use of ear protectors or earplugs rated for at least 20 DBA to protect your hearing.
 - Wear shoes with non-slip treads when using the Saw. If you have safety shoes, wear them. Do not use the Saw while barefoot or wearing sandals with exposed toes or heels.
 - Wear protective hair covering to contain long hair and avoid wearing loose clothing or jewelry, which can catch on the Saw's chain.
 - We recommend wearing long pants and non-slip rubber gloves while using this Saw. Be sure the gloves fit properly and do not have loose cuffs or drawstrings.
-

Preparing to Use Your Chain Saw

WARNING!

Read, understand, and follow all instructions on the Saw and in the manual. Be thoroughly familiar with the control and the proper use of the Saw before starting.

Operating Your Chain Saw Safely

DANGER!

- If the Saw jams on any electrical cord or line, **DO NOT TOUCH THE BAR OR CHAIN, THEY CAN BECOME ELECTRICALLY LIVE AND VERY DANGEROUS.** Safely disconnect the damaged electrical cord or line from its power source. If possible, do so safely. If in doubt, call an electrician or an electrical contractor for assistance. Failure to heed this DANGER will result in death or serious personal injury.
 - This Saw can sever body parts! Keep hands and feet away from the Chain and always keep both hands on the Handles when using the Saw.
-

WARNING!

- Do not use your NEUTON Corded 16" Chain Saw for any job other than the intended use.
 - Avoid unintentional starting - never carry the NEUTON Corded 16" Chain Saw with your finger on the ON/OFF Trigger.
 - Never use the Guard as a handle; this could result in a serious personal injury.
 - Remove the power cord when inspecting or cleaning material from the Saw.
 - Never pick up or hold the Saw by the cutting Chain.
 - Be aware that the cutting Chain coasts to a stop after releasing the ON/OFF Trigger; it does not stop immediately.
 - Do not operate the Saw in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.
 - Do not operate the Saw while in a tree, on a ladder or on a scaffold.
-

CAUTION!

- Do not force the Chain Saw - it will do the job better and with less likelihood of a risk of injury when cutting at its own rate.
- Never over reach the work when using the Saw. Always keep proper footing and balance at all times.
- Use extreme caution when cutting small size brush, saplings or limbs under tension, because slender and tense material may catch the Saw and be whipped toward you, or spring back, pulling you off balance. Do not cut small vines and/or small underbrush.
- If the Saw vibrates abnormally, stop the motor, remove the power cord, and inspect the tool for any damage. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other condition that may affect its operation. Repair the damage before restarting and operating the Saw. **NOTE:** Excessive vibration is generally a sign of trouble.
- Never use the Saw with a damaged or missing Guard.
- Do not operate the Saw if it does not start normally or stop normally with the ON/OFF Trigger Switch.
- Stay alert and watch what you are doing. Do not operate the Saw when you are tired or under the influence of medication, drugs, or alcohol.
- Never operate the Saw in the rain.
- Operate only in daylight or in an area well lit by artificial light.

No list of Warnings and Cautions can be all-inclusive. If situations occur not covered by this manual, the operator must apply common sense and operate the NEUTON Corded 16" Chain Saw in a safe manner. Visit our website at www.neutonpower.com or call Toll Free: **1-866-NEUTON1 (638-8661)** for assistance.

Chapter 2: Unpacking the NEUTON Corded 16" Chain Saw

Carton Contents:

- NEUTON Corded 16" Chain Saw (fully assembled)
- Bar Cover
- Safety and Operating Instructions

Unpacking:

1. Carefully remove the Chain Saw, and the Safety and Operating Instructions from the Shipping Carton. Make sure that all items listed in the Carton Contents are included.
2. Inspect the product carefully to make sure no breakage or damage occurred during shipping. If you find damaged or missing parts, call Toll Free: **1-866-NEUTON1 (638-8661)** for assistance.

NOTE: Do not discard the Shipping Carton and packaging material until you are fully satisfied with your new NEUTON Corded 16" Chain Saw.

Chapter 3: Operating Your NEUTON Corded 16" Chain Saw

Starting and Stopping the Saw

NOTICE

- Before starting the Saw, remove the Oil Tank Cap and add #32 Bar & Chain Oil to the top of the Oil Level Window (**Figure 1**). One (1) minute of use will consume approximately 0.15 fl. oz. (5ml) of oil. Refill when the oil level drops to 1/4 of a tank.

NOTE: Your NEUTON Corded 16" Chain Saw is equipped with an Automatic Oil Pump for Bar and Chain oiling.

- Starting, stopping, and restarting an electric Motor repeatedly within a few seconds can generate a great deal of heat and damage the Motor. To protect the life of your Chain Saw, always wait at least five (5) seconds after stopping before restarting the Saw.

WARNING!

Be certain that the Chain is not in contact with any object when you start the Motor.

1. Perform the Daily Checks listed on the back cover of this manual.
2. Connect the Chain Saw to a working 120V outlet using a heavy-duty outdoor extension power cord. Make a loop in the power cord and push it up through the hole in the Handle and around the Cord Relief Hook (**Figure 1**) then plug it into the Power Receptacle.
3. Firmly grip the Rear Handle with your right hand and the Front Handle with your left hand (whether or not you are right handed or left handed).
4. Push the Lock-Off Button IN (**Figure 1**) with your right thumb and squeeze the Trigger ON/OFF Switch with your fingers. Once the Motor starts you can remove your thumb from the Lock-Off Button. If the Saw does not start, make sure you plugged the power cord into a live 120V outlet (simply use a lamp to check the power outlet) and firmly plugged the power cord into the Saw power receptacle.
5. To stop the Saw, simply release the Trigger ON/OFF Switch.

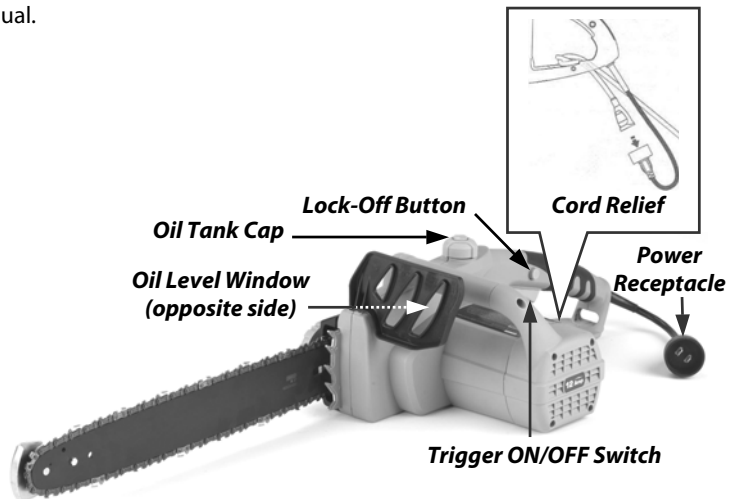


Figure 1

Using the Saw

WARNING!

Kickback of the Saw is a condition that may occur when the moving Chain contacts an object at the upper portion of the Tip of the Guide Bar (**Figure 2**) or when the wood closes in and pinches the Chain Saw in the cut causing the Chain to stop for an instant. The result is a lightening fast, reverse reaction that kicks the Guide Bar up and back toward the operator that can cause loss of Saw control which can result in serious injury. Do not rely exclusively upon the safety devices built into the Saw.

As a Chain Saw user, you should take several steps to keep your cutting jobs free from accident or injury. You should observe the following precautions to minimize Kickback:

- Always grip the Saw firmly with both hands. A firm grip together with a stiff left arm will help you maintain control of the Saw if Kickback occurs.
- Make sure that the area in which you are cutting is free from obstructions. Don't let the Nose of the Guide Bar contact a log, branch, fence or any other obstruction that could be hit while you are operating the Saw.
- Push and Pull - This is a reaction force always opposite to the direction the Chain is moving where contacting the wood. Thus, the operator must be ready to control the PULL when cutting on the bottom edge of the Bar, and PUSH when cutting along the top edge.

Proper Cutting Stance (Figure 3)

- Balance your weight with both feet on solid ground.
- Keep left arm with elbow locked in a "straight arm" position to withstand any Kickback force.
- Your body should always be to the left of the Chain Line.

Basic Cutting Procedure

Practice cutting a few small logs using the following technique to get the "feel" of using the Saw before you begin a major sawing operation.

- Take the proper stance in front of the wood with the Saw OFF (**Figure 3**).
- Squeeze the Trigger and let the Chain accelerate to full speed before entering the cut.
- Keep the Saw running the entire time you are cutting, maintain a steady speed.
- Allow the Chain to cut for you; exert only light downward pressure. If you force the cut, damage to the Bar, Chain, or unit can result.
- Do not put pressure on the Saw at the end of the cut.
- Do not cut above chest height, as a Saw held higher is difficult to control against Kickback forces.

Pruning

- When pruning trees it is important not to make the finishing cut next to the main limb or trunk until you have cut off the limb further out to reduce the weight. This prevents stripping the bark from the main member.
- Under cut the branch 1/3 through for your first cut. Your second cut should over cut to drop the branch off (**Figure 4**).
- Now make your finishing cut from the topside of the branch smoothly and neatly against the main member so the bark will grow back to seal the wound.

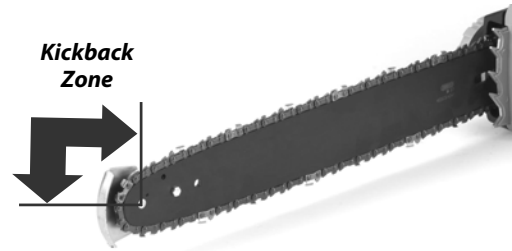


Figure 2

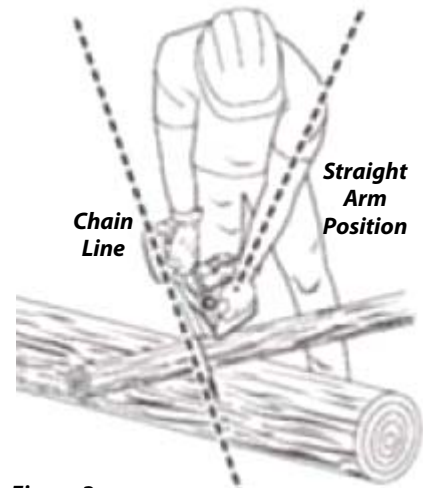


Figure 3

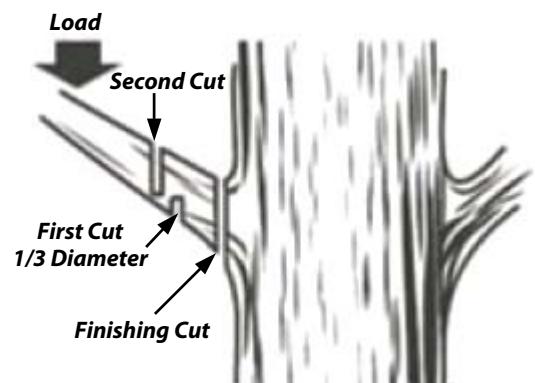


Figure 4

Chapter 4: Maintaining Your NEUTON Corded 16" Chain Saw

This chapter explains how to adjust the Chain Tension, sharpen the Chain and Guide Bar Maintenance.

! WARNING!

Always remove the power cord before performing any adjustments, maintenance, or repairs to your Chain Saw.

Chain Tension

Check the Chain Tension before using the Saw when the Chain is cold. The correct tension of a cold Chain is when there is no slack on the underside of the Guide Bar, the Chain is snug, but you can turn it by hand without binding.

During normal Saw operation, the temperature of the Chain will increase. The Drive Links of a correctly tensioned warm Chain will hang approximately .050 in. (1.25mm) out of the Bar Groove (**Figure 5**). Be aware that a Chain tensioned while warm, may be too tight upon cooling. Check the "cold tension" before next use.

The Chain must be re-tensioned whenever the Flats on the Drive Links hang out of the Bar groove (**Figure 5**).

NOTE: A new Chain tends to stretch so check the Chain tension frequently and re-tension as required.

1. Loosen the Chain Tensioner Lock (**Figure 6**) by turning it counterclockwise just enough so that you can move the outer Chain Tensioner Knob.
2. Turn the Chain Tensioner Knob (**Figure 6**) clockwise to tension the Chain as required and then retighten the Chain Tensioner Lock.

Chain Sharpening

For smooth and fast cutting, you need to maintain the Chain properly. The Chain requires sharpening when the wood chips are small and powdery, if you must force the Chain through the wood during cutting, or the Chain cuts to one side.

NOTE: Improper Chain sharpening increases the risk of Kickback. Therefore, we highly recommend that when the Chain requires sharpening, you have the Chain professionally sharpened.

Guide Bar Maintenance

When the Guide Bar shows signs of wear, turn it over on the Saw to distribute the wear for maximum Bar life. Feathering or burring of the Bar Rails is a normal process of Bar wear. You should smooth such faults with a file as soon as they occur.

Replace a Bar with any of the following faults:

- Wear inside the Bar Rails permitting the Chain to layover sideways.
- Bent Guide Bar
- Cracked or broken Rails
- Spread Rails

Turn the Saw over, check the underside of the Guide Bar, and make sure that the lubrication holes and Chain Groove are free from impurities.

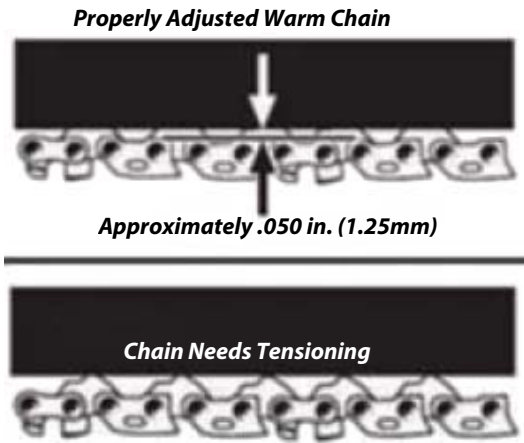
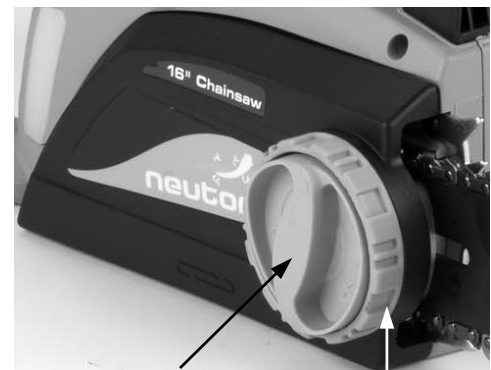


Figure 5



Chain Tensioner Lock Chain Tensioner Knob

Figure 6

Chapter 5: Troubleshooting Your NEUTON Corded 16" Chain Saw

Troubleshooting Tips

Most difficulties are easy to fix. Consult the Troubleshooting Table for common problems and their solutions. If you continue to experience problems or need repairs beyond these minor adjustments, visit our website at www.neutonpower.com or call Neuton Power Equipment Toll Free at: **1-866-NEUTON1 (638-8661)** for assistance.

WARNING!

Always remove the power cord before performing any adjustments, maintenance, or repairs to your Chain Saw.

Troubleshooting Table

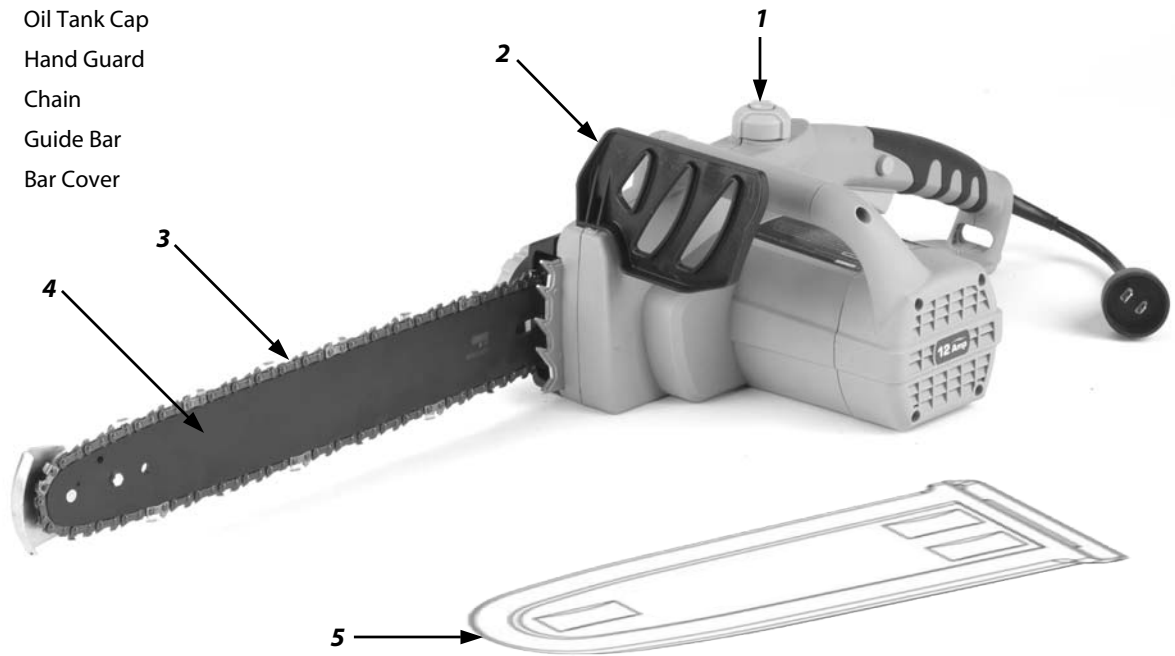
PROBLEM	CORRECTIVE ACTION
<i>The Saw Motor fails to start.</i>	<ul style="list-style-type: none">⇒ Check that you installed the power cord properly into the Chain Saw power cord receptacle and you plugged the power cord into a live 120V outlet.⇒ Make sure that you fully push in the Lock-Off Button before squeezing the ON/OFF Trigger Switch.
<i>The Saw runs, but the Chain speed is low.</i>	<ul style="list-style-type: none">⇒ The Chain too tight, re-tension.
<i>Bar and Chain running hot and smoking.</i>	<ul style="list-style-type: none">⇒ The Chain tension is too tight, re-tension.⇒ The Chain Oil Tank is empty, refill.⇒ The lubrication holes are plugged, clean them out.
<i>The Saw Motor runs, but the Chain is not turning.</i>	<ul style="list-style-type: none">⇒ The Chain tension is too tight, re-tension.⇒ The Guide Bar or Chain is damaged, inspect and replace the damaged part.

Chapter 6: Parts List, Schematic Diagram, and Warranty

Parts List & Schematic Diagram NEUTON Corded 16" Chain Saw

NOTE: Part numbers listed are available through Neuton Power Equipment

Ref#	Part#	Description
1	289661	Oil Tank Cap
2	289671	Hand Guard
3	289681	Chain
4	289691	Guide Bar
5	289701	Bar Cover



101118

2-Year Limited Warranty Terms and Conditions

The NEUTON® Corded 16" Chain Saw has a warranty for two (2) years against defects in materials or workmanship when put to personal residential household use.

For the purposes of the warranty, "personal residential household use" refers to non-commercial residential use and further excludes misuse, accidents, or damage due to inadequate maintenance.

Neuton Power Equipment certifies that the NEUTON® Corded 16" Chain Saw is fit for ordinary purposes for which a product of this type is used. Neuton Power Equipment however, limits the implied warranties of merchantability and fitness in duration to a period of two (2) years in personal residential household use.

The 2-Year Limited Warranty on the NEUTON® Corded 16" Chain Saw starts on the date the tool shipped from our factory. The 2-Year Limited Warranty is applicable only to the original owner.

The owner is responsible for the performance of all the required maintenance as defined by the manufacturer's owner manual.

The owner is responsible for the replacement of normally wearing parts such as the Chain and the Bar Guide.

During the warranty period, the owner is responsible for all shipping and transportation charges, if required.

SOME STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Neuton Power Equipment shall not be liable under any circumstances for any **incidental or consequential damages or expenses** of any kind, including, but not limited to, cost of equipment rentals, or cost of hiring services to perform tasks normally performed by the NEUTON® Corded 16" Chain Saw.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

NOTES:

Daily Checklist, Cleaning and Storing for your NEUTON Corded 16" Chain Saw

To help maintain your NEUTON Chain Saw for optimum performance, we recommend you follow this checklist each time you use your Saw.

WARNING!

Do not plug in the power cord until you have completed all of the daily checks.

[] **INSPECT:** Before inserting the power cord, inspect for any visible damage to the Chain, Bar Guide, Hand Guard, or Motor Housing. Inspect the oil port and Bar Guide rails and clean them to remove any debris.

Check the Chain tension.

Check the Bar and Chain Oil level, fill with only new Chain Oil specifically formulated for chainsaws.

[] **NOISES:** If you notice anything unusual, such as a vibration or odd sound, shut the Saw OFF immediately. Remove the power cord and check the Saw for any damage.

If you cannot find the cause of the problem or are uncertain what to do, then have the Saw inspected by a qualified repair shop before using it or visit our website at www.neutonpower.com.

CAUTION!

- Unplug the power cord and allow the Saw to cool for at least five (5) minutes before servicing or storing.
 - If you drop the Saw, carefully inspect it for damage. If the Guide Bar is bent, Housing cracked, or Handles broken or if you see any other condition that may affect the Saw's operation, visit our website at www.neutonpower.com or call Neuton Power Equipment Toll Free at: **1-866-NEUTON1 (638-8661)** for assistance before putting it back into use.
-

Cleaning the Chain Saw

Use only mild soap and a damp cloth to clean the Saw. Never let any liquid get inside the Motor Housing and NEVER immerse any part of the Saw Housing into a liquid.

Storing

[] Ensure that the plastic Bar Cover is in place when storing.

[] Do not store the Saw near chemicals, such as fertilizers, organic or other solvents. Do not expose brake fluids, gasoline, petroleum-based products, penetrating oils, etc., to the plastic parts of the Saw. These products are often highly corrosive and may cause permanent damage, weaken, or destroy the plastic to your Saw.

[] When not in use, your NEUTON Corded 16" Chain Saw should be stored indoors in a dry and high or locked-up place, out of reach of children.

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Documentation

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Neuton POWER EQUIPMENT

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