Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's date code in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference. 26a

261103C-B

Bauer™

BRUSHLESS

20v LITHIUM-ION



CORDLESS PRUNER

Visit our website at: https://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com **70857**

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INSTRUCTIONS

⚠WARNING

When using electric gardening appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

READ ALL INSTRUCTIONS

Gardening Appliance Safety

1. Avoid Dangerous Environment - Don't use appliances in damp or wet locations.
2. Don't Use In Rain.
3. Keep Children Away - All visitors should be kept at a distance from work area.
4. Dress Properly - Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
5. Use Safety Glasses - Always use face or dust mask if operation is dusty.
6. Use Right Appliance - Do not use appliance for any job except that for which it is intended.
7. Avoid Unintentional Starting - Don't carry appliance with finger on switch.
8. Don't grasp the exposed cutting blades or cutting edges when picking up or holding the appliance.
9. Don't Force Appliance - It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
10. Don't Overreach - Keep proper footing and balance at all times.
11. Stay Alert - Watch what you are doing. Use common sense. Do not operate appliance when you are tired.
12. Store Idle Appliances Indoors - When not in use, appliances should be stored indoors in dry, and high or locked-up place - out of reach of children.
13. Maintain Appliance With Care - Keep cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Keep handles dry, clean, and free from oil and grease.

14. Check Damaged Parts - Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by a qualified technician unless indicated elsewhere in this manual.

Pruning Shears Safety

1.  Keep hands away from Blades.
2. When servicing use only identical replacement parts.
3. Carefully follow cutting procedures explained in this manual. They are specifically planned to reduce risk to the operator.
4. Maintain labels and nameplates on the appliance. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Personal Safety

1. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
2. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Battery tool use and care

1. **Prevent unintentional starting.** *Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the power tool. Carrying the power tool with your finger on the switch or energizing power tool that have the switch on invites accidents.*
2. **Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tool.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
3. **Recharge only with the charger specified by the manufacturer.** *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*
4. **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
5. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** *Shorting the battery terminals together may cause burns or a fire.*
6. **Under abusive conditions, liquid may be ejected from the battery; avoid contact.** *If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.*
7. **Do not use a battery pack or power tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.*
8. **Do not expose a battery pack or power tool to fire or excessive temperature.** *Exposure to fire or temperature above 140°F may cause explosion.*
9. **Follow all charging instructions and do not charge the battery pack or power tool outside of the temperature range specified in the instructions.** *Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.*
10. **Have servicing performed by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the product is maintained.*
11. **Do not modify or attempt to repair the power tool or the battery pack except as indicated in the instructions for use and care.**

12.  The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment. Do not place the Charger on a flammable surface. Do not obstruct any vents on the Charger. **Especially avoid placing the Charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the Charger.** Place the Charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the Charger and Battery Pack while charging.

Lithium Battery Safety Warnings



LITHIUM BATTERIES STORE A LARGE AMOUNT OF ENERGY AND WILL VENT FIRE OR EXPLODE IF MISTREATED:

1. **Keep Battery Pack dry.**
2. **DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:**
   a. **Open,**
   b. **Drop,**
   c. **Short-circuit,**
   d. **Puncture,**
   e. **Incinerate, or**
   f. **Expose to temperatures greater than 140°F.**
3. Charge Battery Pack only according to its Charger's instructions.
4. Inspect Battery Pack before every use; do not use or charge if damaged.

Vibration Hazard

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this appliance. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use appliances with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. Grip appliance as lightly as possible (while still keeping safe control of it). Let the appliance do the work.
7. To reduce vibration, maintain the appliance as explained in this manual. If any abnormal vibration occurs, stop use immediately.

 **SAVE THESE INSTRUCTIONS.**

Grounding

⚠WARNING



TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING: Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the charger. Do not use the charger if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

Extension Cords

Note: Extension cords must not be used with this item's Charger.

Symbology

V	Volts
⎓	Direct Current
A	Amperes
n_0 xxxx/min.	No Load Revolutions per Minute (RPM)
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields.
	Read the manual before set-up and/or use.

	WARNING marking concerning Risk of Fire. Do not cover Charger ventilation ducts. Charge on fireproof surface only.
	WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet.
	WARNING marking concerning Risk of Explosion. Do not puncture, short, or open battery packs and do not charge damaged battery packs.
	WARNING marking concerning Risk of Amputation. Keep hands away from Blades.

Specifications

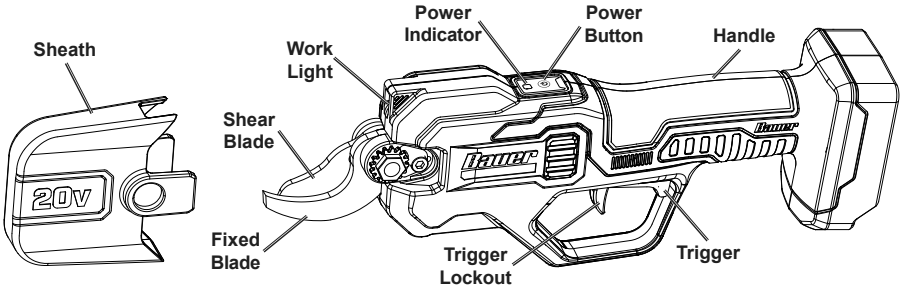
Battery Type	Bauer 20V Li-Ion
Charger Type	Bauer 20V Li-Ion
Max Cutting Diameter	1.1″
Max Opening	1.7″

Set Up Instructions

Read the ENTIRE IMPORTANT SAFETY INSTRUCTIONS section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to *Parts List and Diagram* on page 10.

Functions



Operating Instructions

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION OR ELECTRIC SHOCK:
Before operating the gardening appliance, put on ANSI-approved safety goggles and gloves (sold separately).

Charging Battery Pack

Charge Battery before using this tool. Follow instructions included with Battery Charger.

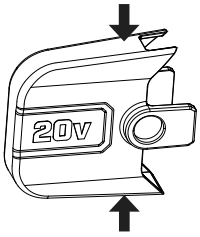
Workpiece and Work Area Set Up

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Check the trimming area for foreign objects, e.g. wire fences, debris, and hidden wiring. Remove all decorations, lighting fixtures, and cords from area to be cut.
3. There must not be objects, such as utility lines, nearby that will present a hazard while working.

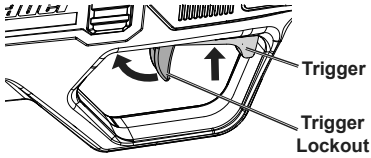
General Operation

WARNING! TO PREVENT SERIOUS INJURY, RISK OF AMPUTATION: Keep hands away from Blades.

1. Before operating the Pruner, put on ANSI-approved safety goggles and other safety gear. Safety goggles and other safety gear are sold separately.
2. Make sure that the Trigger is in the off-position, then attach a fully charged Battery Pack.
3. Squeeze top and bottom of Sheath and remove it.



4. Press Power Button; tool will beep twice. Power Indicator and Work Light will light up.
5. Press Trigger Lockout forward, then squeeze Trigger to cut branch. Release Trigger to open Blades.



Note: Do not cut branches or stems larger in diameter than 1.1″.

NOTICE: TO PREVENT PROPERTY DAMAGE: Do not contact any chain-link or wire fence; they may damage the Blades.

6. Turn tool off by pressing and holding Trigger then pressing Power Button.

Note: If tool is idle for one minute, tool will beep and turn off.

WARNING! TO PREVENT SERIOUS INJURY: Wait for the Blade to stop completely before putting down the Pruner. The Blade will briefly keep moving even after the Trigger has been released.

7. Cover Blades with Sheath.
8. To prevent accidents, turn off the tool and remove its Battery Pack after use. Clean, then store the tool indoors out of children's reach.

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Make sure that the Trigger is in the off-position and remove the Battery Pack before performing any procedure in this section.

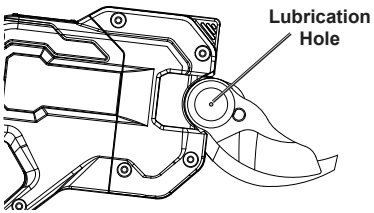
TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE,** inspect the general condition of the tool. Check for:
   - leaking, swollen, or cracked battery pack,
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts, and
   - any other condition that may affect its safe operation.
2. **AFTER USE,** clean external surfaces of the appliance with clean, moist cloth. Clean Blades with isopropyl alcohol on a clean cloth (both sold separately).
3. **PERIODICALLY,** Lubricate Blades (see *Lubricating Blades* on page 7.)
4. Li-Ion BATTERY MUST BE RECYCLED OR DISPOSED OF PROPERLY.
   Do not short, incinerate or open battery.
5. Disconnect battery pack and store battery pack, charger, and tool in dry, indoor area out of reach of children and away from metal objects (i.e., paperclips, coins) to prevent shorting.

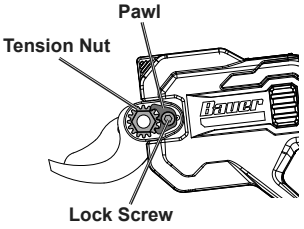
Lubricating Blades

1. Make sure that the Trigger is in the off-position, then attach the Battery Pack.
2. Press Power Button to open Blades, then remove Battery Pack.
3. Clean Blades with isopropyl alcohol on a clean cloth.
4. Wipe Blades with light machine oil on a clean cloth (both sold separately) and add 2-3 drops of oil to Lubrication Hole.
5. Make sure that the Trigger is in the off-position, then attach the Battery Pack.
6. Press Power Button. Open and close Blades several times to evenly disperse the oil.
7. Turn tool off by pressing and holding Trigger then pressing Power Button. Remove Battery Pack.
8. Use clean cloth to remove excess oil. Replace Sheath.



Adjusting Blade Tension

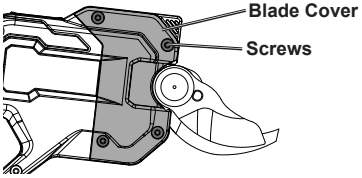
1. Remove Sheath
2. Remove Lock Screw and Pawl with included Wrench.
3. Tighten Tension Nut with Wrench until Blades are flush and snug against each other.
4. Replace Pawl and Lock Screw. Replace Sheath.



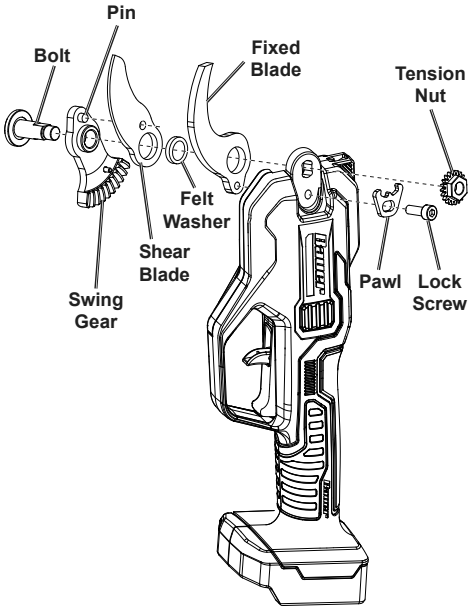
Sharpening or Replacing Blades

<u>WARNING!</u> TO PREVENT SERIOUS INJURY:
Wear heavy-duty gloves when handling Blades.

1. Have the Blades professionally sharpened OR,
2. Replace the Blades:
   a. Remove Sheath.
   b. Remove Screws and Blade Cover.



   c. Remove Lock Screw, Pawl and Tension Nut with included Wrench.
   d. Remove Bolt, Swing Gear, Shear Blade, Felt Washer, and Fixed Blade.
   e. Lay Pruner on its side and place Fixed Blade into recessed.
   f. Place Bolt down with shank facing up, then place Swing Gear, Shear Blade and Felt Washer on shank, aligning hole in Blade with pin in Gear.
   g. Insert Bolt through Fixed Blade, aligning flat sides on Bolt with flat sides in bolt hole.
   h. Replace Tension Nut and tighten with Wrench until Blades are flush and snug against each other.
   i. Replace Pawl and Lock Screw.
   j. Replace Blade Cover, tightening Screws in a criss-cross pattern: top-left, bottom-right, then top-right, bottom-left.
   k. Replace Sheath.



Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	1. Battery Pack not properly connected.	1. Remove Battery Pack, make sure there are no obstructions, reinsert the Battery Pack according to its shape (it should only fit one way), and press firmly until the Battery Pack locks in place.
	2. Battery Pack not properly charged.	2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly.
	3. Battery Pack stopped working.	3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.
	4. Internal damage or wear. (bearings, for example.)	4. Have qualified technician service tool.
Tool operates slowly.	1. Forcing tool to work too fast.	1. Allow tool to work at its own rate.
	2. Battery Pack wearing out.	2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.
Performance decreases over time.	1. Internal damage or wear. (bearings, for example.)	1. Have qualified technician service tool.
	2. Battery Pack wearing out.	2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.
Excessive noise or rattling.	Internal damage or wear. (bearings, for example.)	Have qualified technician service tool.
Overheating.	Forcing tool to work too fast.	Allow tool to work at its own rate.
Tool stops unexpectedly	1. Battery Pack not properly charged.	1. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly.
	2. Battery Pack stopped working.	2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack.
	3. Blades are stuck into vegetation.	3. Release Trigger; remove Blades from vegetation.
Poor cut quality	1. Loose Blades.	1. Adjust Blade tension (see *Adjusting Blade Tension* on page 8.)
	2. Dull/worn Blades.	2. Sharpen or replace Blades (see *Sharpening or Replacing Blades* on page 8.)

Follow all safety precautions whenever diagnosing or servicing the tool.
Disconnect Battery Pack and Charger power supply before service.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Parts List

Part	Description	Qty
1	M8x1 Tension Nut	1
2	M5x14 Lock Screw	1
3	Pawl	1
4	Bracket	1
5	Fixed Blade	1
6	Felt Washer	1
7	Shear Blade	1
8	Swing Gear	1
9	Bolt	1
10	Magnet	2
11	M2.5x6 Screw	1
12	Bevel Gear Shaft	1
13	Bearing	3
14	Retaining Ring Ø20mm	1
15	3rd Stage Planetary Carrier	1
16	Planetary Gear	9
17	Planetary Carrier	2
18	Internal Gear Ring	1
19	Motor Gear	1

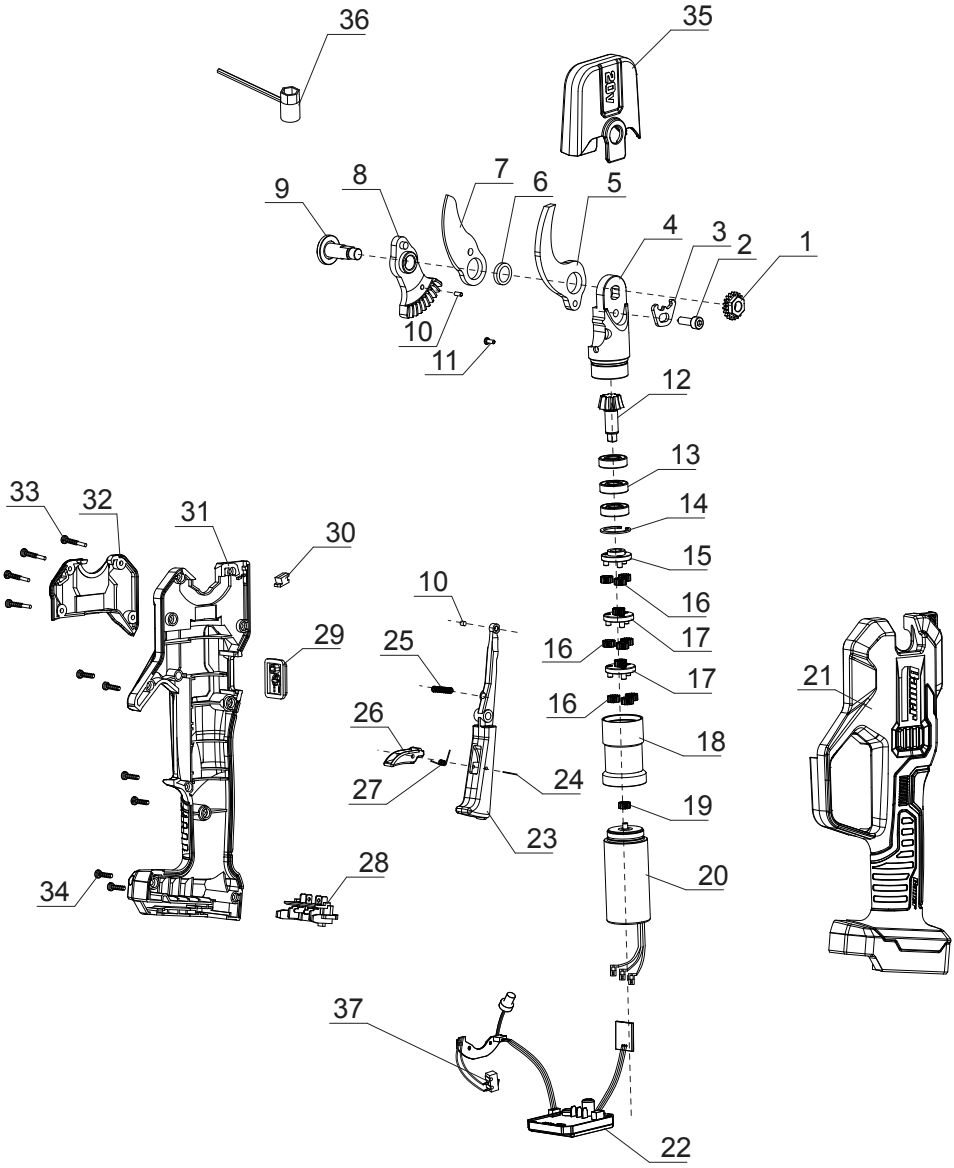
Part	Description	Qty
20	Motor	1
21	Left Housing	1
22	PCB Assembly	1
23	Trigger	1
24	Knurled Cylindrical Pin	1
25	Spring	1
26	Trigger Lockout	1
27	Torsion Spring	1
28	Terminal	1
29	Power Button	1
30	LED Cover	1
31	Right Housing	1
32	Blade Cover	1
33	ST2.9x20-H-F Screw	4
34	ST2.9x14-H-F Screw	6
35	Sheath	1
36	Wrench	1
37	Micro Switch	1

Record Product's Date Code Here:_____

Note: If product has no date code, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Refer to UPC 193175516008.

Assembly Diagram



Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

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

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26677 Agoura Road • Calabasas, CA 91302 • 1-800-444-3353