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NEO-TEC NH895

NEO-TEC NH895 Gas Chainsaw Instruction Manual

Model: NH895

Safety Information	Product Overview	Specifications	Setup & Assembly	Operating Instructions
	Maintenance	Troubleshooting	Warranty & Support	

1. SAFETY INFORMATION

Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always read and understand this manual before operating the NEO-TEC NH895 chainsaw. Failure to follow instructions can result in serious injury or death.

Personal Protective Equipment (PPE)

- **Head Protection:** Wear a safety helmet.
- **Eye Protection:** Wear safety glasses or a face shield.
- **Hearing Protection:** Use earplugs or earmuffs.
- **Hand Protection:** Wear heavy-duty work gloves.
- **Leg Protection:** Wear chainsaw protective chaps or trousers.
- **Foot Protection:** Wear steel-toed safety boots with non-slip soles.

General Safety Rules

- Never operate the chainsaw when fatigued, under the influence of alcohol, drugs, or medication.
- Keep children, bystanders, and animals at least 50 feet (15 meters) away from the work area.
- Inspect the chainsaw before each use for loose parts, damage, or fuel leaks.
- Ensure the chain brake is functional.
- Always hold the chainsaw firmly with both hands.
- Be aware of kickback and how to avoid it.
- Do not operate in poor lighting conditions or wet weather.

- Fuel the chainsaw in a well-ventilated area with the engine off and cool.

2. PRODUCT OVERVIEW

The NEO-TEC NH895 is a 94cc gasoline-powered chainsaw designed for demanding cutting tasks. It features a robust 2-cycle air-cooled engine and is compatible with 28, 36, or 42-inch guide bars.



Image 2.1: NEO-TEC NH895 Chainsaw with key components labeled.

This image displays the main components of the NEO-TEC NH895 chainsaw, including the Front Handle, Air Filter Cover, Carburetor, Trigger Lockout, Starter, Starter Handle, Fuel Tank Cap, Fuel Tank, Throttle Trigger, and Muffler. Understanding these parts is crucial for operation and maintenance.

Key Features

- **Engine:** 94cc 2-cycle air-cooled engine, delivering 6.6 horsepower.
- **Bar Compatibility:** Designed for 28, 36, or 42-inch guide bars.
- **Chain Pitch:** 3/8 inch.
- **Guide Bar Tail Mount:** D009 (9.00mm).
- **Air Filtration:** Centrifugal air cleaning system with quick-release air filter.
- **Lubrication:** Adjustable oil pump for optimal chain lubrication.
- **Vibration Reduction:** Features low vibration levels for user comfort.
- **Construction:** Magnesium alloy chainsaw parts for durability.
- **Chain Tensioning:** Side-mounted chain tensioner for easy adjustments.
- **Accessibility:** Quick-release cover for maintenance access.

3. SPECIFICATIONS

Detailed technical specifications for the NEO-TEC NH895 Gas Chainsaw.



Image 3.1: NEO-TEC NH895 Chainsaw with dimensions and weight indicated.

This image illustrates the physical dimensions and weight of the NEO-TEC NH895 chainsaw, showing a height of 320mm, length of 490mm, width of 250mm, and a weight of 8.4 kg.

Feature	Specification
Brand	NEO-TEC
Model Number	NH895
Power Source	Gas Powered
Engine Displacement	94 cc
Horsepower	6.6 HP
Compatible Bar Sizes	28, 36, 42 inches
Chain Pitch	3/8 inch
Guide Bar Tail Mount	D009 (9.00mm)
Item Weight	1 Pounds (Note: This weight may refer to the power head only or be an error, actual operational weight with bar and chain will be higher, as indicated by 8.4kg in image)
Product Dimensions (L x W x H)	1"L x 1"W x 1"H (Note: These are placeholder dimensions, refer to image 3.1 for more accurate dimensions: 490mm L x 250mm W x 320mm H)

4. SETUP & ASSEMBLY

The NEO-TEC NH895 chainsaw requires some assembly before initial use. Ensure all components are present and undamaged before proceeding.

4.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Verify that all parts listed in the packing list are present.
- Inspect the chainsaw and all accessories for any signs of shipping damage. Do not use the chainsaw if any

damage is found.

4.2 Guide Bar and Saw Chain Installation

The guide bar and saw chain are typically shipped separately and require installation.

1. Ensure the engine is off and the spark plug cap is disconnected to prevent accidental starting.
2. Remove the chain brake cover (clutch cover) by loosening the two nuts.
3. Place the guide bar onto the studs, ensuring the bar's slot aligns with the chain tensioner pin.
4. Carefully fit the saw chain around the clutch drum and into the guide groove of the bar. Ensure the cutting edges of the chain are facing the correct direction (refer to chain markings).
5. Replace the chain brake cover, ensuring the chain tensioner pin engages with the hole in the guide bar. Hand-tighten the nuts.
6. Adjust the chain tension using the side-mounted chain tensioner screw. The chain should be snug against the guide bar but still able to be pulled freely by hand. There should be no sag on the underside of the bar.
7. Once tension is correct, fully tighten the two nuts on the chain brake cover.



Image 4.1: NEO-TEC NH895 Chainsaw with an installed guide bar and chain.

This image shows the NEO-TEC NH895 chainsaw with the guide bar and saw chain properly installed, ready for tensioning and operation.

4.3 Fuel and Chain Oil Filling

The NH895 uses a 2-stroke engine and requires a specific fuel mixture and chain lubricant.

- **Fuel Mixture:** Mix unleaded gasoline with high-quality 2-stroke engine oil at the ratio specified in the engine manual (typically 25:1 or 50:1, depending on oil type). Use a dedicated fuel mixing container.
- **Chain Oil:** Fill the chain oil tank with biodegradable chain lubricant. Never use waste oil or motor oil, as this can damage the oil pump and chain.
- Ensure both caps are securely tightened after filling.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your NEO-TEC NH895 chainsaw.

5.1 Starting the Engine

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake by pushing the front hand guard forward.
3. For a cold engine, pull the choke knob out fully. For a warm engine, the choke may not be necessary.

4. Press the primer bulb several times until fuel is visible in the return line.
5. Set the throttle to the starting position (often a half-throttle setting, refer to specific engine controls).
6. Hold the chainsaw firmly with one hand on the front handle and place your foot on the rear handle.
7. Pull the starter cord with a smooth, steady motion until the engine fires (usually a few pulls).
8. Once the engine fires, push the choke knob in halfway (or fully, depending on engine response).
9. Pull the starter cord again until the engine starts and runs.
10. Allow the engine to warm up for a few moments, then disengage the chain brake by pulling the front hand guard back.

5.2 Cutting Techniques

- Always maintain a firm grip with both hands.
- Stand with your weight balanced and feet apart.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- When felling trees, plan your escape route and ensure no one is in the felling zone.
- When bucking (cutting a fallen tree into sections), be aware of pinching forces and use wedges if necessary.
- Always cut at full throttle to ensure proper chain lubrication and efficient cutting.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your NEO-TEC NH895 chainsaw.

6.1 Daily Maintenance

- **Clean Air Filter:** The centrifugal air cleaning system helps, but the air filter should be checked and cleaned daily, especially in dusty conditions. A quick-release cover allows easy access.
- **Check Chain Tension:** Adjust as needed. A loose chain can derail, and a tight chain can cause premature wear.
- **Inspect Guide Bar:** Check for burrs, wear, and ensure the oil hole is clear. Flip the bar regularly to ensure even wear.
- **Sharpen Saw Chain:** A sharp chain cuts efficiently and safely. Sharpen teeth regularly or replace the chain when dull.
- **Check Chain Brake:** Ensure it engages and disengages properly.
- **Clean Chainsaw Body:** Remove sawdust, debris, and oil residue.

6.2 Periodic Maintenance

- **Spark Plug:** Inspect and clean the spark plug. Replace if electrodes are worn or fouled.
- **Fuel Filter:** Check and replace the fuel filter as needed.
- **Carburetor Adjustment:** If the engine runs poorly, the carburetor may need adjustment. This should ideally be done by a qualified technician.
- **Adjustable Oil Pump:** Ensure the oil pump is functioning correctly and adjust its output if necessary to match cutting conditions.

7. TROUBLESHOOTING

This section provides solutions to common operational issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine won't start	No fuel, incorrect choke setting, fouled spark plug, clogged fuel filter, chain brake engaged.	Check fuel level and mixture. Adjust choke. Clean/replace spark plug. Replace fuel filter. Disengage chain brake.
Engine starts but dies	Incorrect fuel mixture, clogged fuel filter, carburetor needs adjustment, air filter dirty.	Verify fuel mixture. Replace fuel filter. Clean air filter. Consult a technician for carburetor adjustment.
Gasoline pouring from exhaust	Flooded engine, carburetor issue (e.g., stuck float).	Attempt to clear flood by pulling starter cord with choke off and throttle open. If issue persists, carburetor likely needs service.
Chain not moving	Chain brake engaged, chain too tight, clutch issue.	Disengage chain brake. Loosen chain tension. If clutch issue, seek professional service.
Poor cutting performance	Dull chain, incorrect chain tension, worn guide bar.	Sharpen or replace chain. Adjust chain tension. Inspect and replace guide bar if worn.
Excessive vibration	Loose components, damaged chain or guide bar, engine imbalance.	Check all fasteners. Inspect chain and guide bar for damage. If engine related, seek professional service.

8. WARRANTY & SUPPORT

For specific warranty details and customer support, please refer to the warranty card included with your product or contact NEO-TEC directly through their official website or the retailer where the product was purchased.

Keep your purchase receipt as proof of purchase for any warranty claims.

For technical assistance or spare parts inquiries, please provide your model number (NH895) and the date of purchase.