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ECHO SRM-3020T

ECHO X Series 30.5 Cc Professional-Grade Gasoline String Trimmers User Manual

Model: SRM-3020T

INTRODUCTION

The ECHO SRM-3020T is a professional-grade gasoline string trimmer designed for efficient and productive workdays. It features a lightweight construction, a Speed-Feed 500 cutting head, and a 20-inch cutting swath, making it suitable for quickly powering through various trimming tasks.



Image: The ECHO SRM-3020T string trimmer, showcasing its full length with the engine at one end and the cutting head at the other, along with the handle.

IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this equipment.

Always wear appropriate protective clothing, including eye protection, when operating this string trimmer. Be aware of potential flying debris and keep bystanders at a safe distance. Use in a well-ventilated area to avoid exhaust fumes. Do not operate the trimmer if you are tired or under the influence of drugs or alcohol.

- **Eye Protection:** Always wear safety glasses or goggles.
- **Hearing Protection:** Use earplugs or earmuffs.
- **Foot Protection:** Wear sturdy, non-slip footwear.
- **Hand Protection:** Use heavy-duty gloves.
- **Clear Area:** Ensure the work area is clear of people and pets.
- **Fuel Handling:** Handle gasoline with extreme care. Store in approved containers.
- **Ventilation:** Operate only in well-ventilated outdoor areas.
- **Inspection:** Before each use, inspect the trimmer for loose parts, damage, or wear.

SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present.
2. **Handle Assembly:** Attach the handle to the shaft as indicated in the assembly diagram. Ensure it is securely fastened with the provided hardware. The handle should be positioned for comfortable and balanced operation.
3. **Guard Assembly:** Securely attach the cutting guard to the trimmer head assembly using the designated screws or bolts. This guard is crucial for operator safety and must always be in place during operation.
4. **Fuel Mixing and Filling:**
 - The SRM-3020T uses a 2-stroke engine. Mix fresh unleaded gasoline with a high-quality 2-stroke engine oil at the ratio specified in the engine manual (typically 50:1 for ECHO products).
 - Use a clean, approved fuel container.
 - Fill the fuel tank carefully, avoiding spills. Do not overfill. Securely replace the fuel cap.
5. **Loading Trimmer Line (Speed-Feed 500 Head):**
 - Align the eyelets on the Speed-Feed 500 head.
 - Insert the appropriate diameter trimmer line (e.g., .095 Black Diamond) through one eyelet and push it through until an equal length extends from both sides.
 - Twist the knob on the head to wind the line into the spool. The line will automatically feed as you twist.

OPERATING INSTRUCTIONS

Starting the Engine

1. **Place on Flat Surface:** Place the trimmer on a flat, stable surface, ensuring the cutting head is clear of any obstructions.
2. **Choke Lever:** Move the choke lever to the "COLD START" or "FULL CHOKE" position.
3. **Primer Bulb:** Press the primer bulb repeatedly (typically 5-7 times) until fuel is visible in the clear return line.
4. **Pull Starter Cord:** Grip the starter handle firmly and pull the starter cord with a smooth, steady motion until the engine fires (usually 1-3 pulls). Do not pull the cord to its full extension.
5. **Choke to Half:** Once the engine fires, immediately move the choke lever to the "HALF CHOKE" position.
6. **Restart:** Pull the starter cord again until the engine starts and runs smoothly.
7. **Choke Off:** Once the engine is running, move the choke lever to the "RUN" or "OFF CHOKE" position. Allow the engine to warm up for 30-60 seconds before operating.

Operating the Trimmer

- **Proper Grip:** Hold the trimmer firmly with both hands, maintaining a balanced stance.
- **Cutting Technique:**
 - Use a sweeping motion, moving the cutting head from side to side.
 - For best results, cut with the tip of the line.
 - Avoid hitting hard objects like rocks, fences, or concrete, as this can damage the line and the trimmer.
- **Line Advancement:** The Speed-Feed 500 head allows for quick line advancement by tapping the head on the ground while the engine is running at full throttle.
- **Fuel Monitoring:** Periodically check the fuel level. Refuel only when the engine is off and cool.

Stopping the Engine

- Release the throttle trigger.
- Move the engine stop switch to the "OFF" position.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your ECHO SRM-3020T string trimmer.

- **Air Filter Cleaning:**
 - The two-stage air filtration system increases cleaning capability and allows for longer maintenance intervals.
 - Access the air filter by opening the tool-less access cover.
 - Clean the filter element with warm, soapy water, rinse thoroughly, and allow to air dry completely. Replace if damaged or excessively dirty.
- **Spark Plug Inspection:**
 - Remove the spark plug and inspect for carbon buildup or wear.
 - Clean or replace as necessary. Ensure the gap is set correctly according to the engine manual.
- **Fuel Filter:** Inspect and replace the fuel filter periodically, especially if you notice fuel delivery issues.
- **Gearbox Lubrication:** Refer to your engine manual for specific instructions on lubricating the gearbox. This typically involves adding grease to a designated port.
- **Trimmer Head and Line:**
 - Regularly inspect the Speed-Feed 500 head for wear or damage.
 - Replace trimmer line as needed. Use only recommended line diameters (e.g., .095 Black Diamond).
- **General Cleaning:** Keep the engine cooling fins and air intake clear of debris to prevent overheating. Wipe down the exterior of the trimmer after each use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start.	No fuel or incorrect fuel mixture. Choke not set correctly. Fouled spark plug. Clogged fuel filter.	Check fuel level and ensure correct gas/oil mix. Adjust choke lever as per starting instructions. Clean or replace spark plug. Replace fuel filter.

Problem	Possible Cause	Solution
Engine starts but dies.	Choke not fully off. Air filter dirty. Old or stale fuel.	Move choke to "RUN" position. Clean air filter. Drain old fuel and refill with fresh mix.
Loss of power during operation.	Dirty air filter. Incorrect fuel mixture. Overheating.	Clean air filter. Verify fuel mix ratio. Clean cooling fins, allow engine to cool.
Trimmer line not feeding.	Line tangled or fused inside head. Incorrect line diameter. Head mechanism worn.	Disassemble head, untangle/replace line. Use recommended .095 line. Inspect and replace trimmer head if necessary.

SPECIFICATIONS

Feature	Detail
Brand	ECHO
Model Number	SRM-3020T
Engine Displacement	30.5 cc professional-grade, 2-stroke engine
Power Output	1.8 hp
Drive Shaft	4-Layer Cable
Shaft Length	59 inches
Fuel Capacity	24.0 fl. oz.
Cutting Head	Speed-Feed 500
Cutting Swath	20 inches
Shaft Type	Straight
Nylon Line Diameter	.095 Black Diamond
Dry Weight (with cutting head, excludes harness)	13.7 lb
Dry Weight (without cutting head, includes shield)	12.1 lb
Gear Reduction	1.62:1
Air Filtration System	Two-stage, tool-less access

WARRANTY AND SUPPORT







The ECHO SRM-3020T string trimmer comes with a manufacturer's warranty. The warranty is provided directly through ECHO. For specific details regarding your warranty coverage and to register your item, please contact ECHO directly.

- **Consumer Warranty:** 5 years
- **Commercial Warranty:** 2 years

For technical assistance, parts, or service, please refer to the official ECHO website or contact their customer support. You can often find contact information and service center locators on the manufacturer's official website.

Note: This manual provides general information. Always refer to the official ECHO product manual included with your purchase for complete and detailed instructions, safety warnings, and warranty information.

Related Documents - SRM-3020T

	<p>ECHO PE-225 Manual del Operador: Guía de Uso y Seguridad para Recortadora de Bordes Motorizada</p> <p>Guía completa del operador para la recortadora de bordes motorizada ECHO PE-225. Incluye instrucciones de seguridad, operación, mantenimiento y especificaciones técnicas para un uso seguro y eficiente.</p>
	<p>Manual del Operador ECHO SRM-2620U: Recortadora de Hierba y Desbrozadora</p> <p>Manual completo del operador para la recortadora de hierba y desbrozadora ECHO SRM-2620U. Incluye instrucciones detalladas de seguridad, montaje, operación, mantenimiento y especificaciones técnicas.</p>
	<p>Manual del Operador ECHO SRM-410X: Guía de Uso y Seguridad</p> <p>Manual completo del operador para la desbrozadora ECHO SRM-410X. Cubre montaje, operación segura, mantenimiento, solución de problemas y especificaciones técnicas. Acceda a recursos adicionales en echo-usa.com.</p>
	<p>Manual del Operador ECHO GT-225SF Recortadora de Hierba</p> <p>Manual oficial del operador para la recortadora de hierba ECHO GT-225SF. Incluye información esencial sobre seguridad, operación, mantenimiento y especificaciones para garantizar un uso seguro y eficiente.</p>
	<p>ECHO CDST-58V 58 Volt String Trimmer Parts Catalog</p> <p>This document is a parts catalog for the ECHO CDST-58V 58 Volt String Trimmer. It includes a detailed parts list with corresponding part numbers, descriptions, and quantities, as well as a wiring diagram.</p>
	<p>Manual del Operador ECHO SRM-3020/T/U: Guía de Uso y Seguridad para Desbrozadora</p> <p>Este manual del operador proporciona instrucciones detalladas para el uso seguro y el mantenimiento de la desbrozadora ECHO SRM-3020/T/U. Cubre montaje, operación, seguridad, especificaciones y solución de problemas.</p>

