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ECHO CS-271T-12

ECHO CS-271T-12 Gas Chain Saw Instruction Manual

Model: CS-271T-12 | 12-Inch Bar | 26.9CC Engine

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your ECHO CS-271T-12 Gas Chain Saw. Read and understand all instructions and safety precautions before operating the chain saw. Failure to do so can result in serious injury or death.

Important Safety Precautions:

- Always wear appropriate personal protective equipment (PPE), including a helmet, eye protection, hearing protection, heavy-duty gloves, and safety boots.
- Never operate the chain saw when fatigued, under the influence of alcohol, drugs, or medication.
- Ensure the work area is clear of bystanders, children, and pets.
- Inspect the chain saw before each use for loose parts, damage, or wear.
- Be aware of kickback and how to avoid it.
- Handle fuel with extreme care; it is highly flammable.



Figure 1: Overview of the ECHO CS-271T-12 Gas Chain Saw. This image displays the complete chain saw with its 12-inch bar and chain, highlighting its compact design.

2. SETUP AND ASSEMBLY

2.1 Unpacking and Inspection

Carefully remove the chain saw and all components from the packaging. Inspect for any shipping damage. If any damage is found, do not operate the unit and contact your dealer.

2.2 Bar and Chain Installation

1. Ensure the chain brake is disengaged.
2. Remove the chain cover nuts and chain cover.
3. Place the chain around the clutch drum and guide bar, ensuring the cutting edges face forward on the top of the bar.
4. Mount the guide bar onto the studs, aligning the chain tensioner pin with the hole in the guide bar.
5. Replace the chain cover and hand-tighten the nuts.
6. Adjust chain tension using the side access chain tensioner until the chain is snug but can still be pulled freely by hand.
7. Fully tighten the chain cover nuts.

2.3 Fuel and Chain Oil

This chain saw requires a specific fuel mixture and chain lubricant.

- **Fuel Mixture:** Use a 50:1 ratio of high-quality 2-stroke engine oil to unleaded gasoline (minimum 89 octane). Mix thoroughly in a separate, approved fuel container.
- **Chain Oil:** Use a high-quality bar and chain oil. Do not use waste oil or motor oil, as this can damage the chain and bar.

Fill the fuel tank and chain oil reservoir, ensuring not to overfill. Wipe up any spills immediately.



Figure 2: Top handle view of the ECHO CS-271T-12, showing the model number label and the ergonomic handle design for control.

3. OPERATING INSTRUCTIONS

3.1 Starting the Engine (Cold Start)

1. Place the chain saw on a firm, flat surface. Ensure the chain brake is engaged.
2. Press the purge bulb several times until fuel is visible in the return line.
3. Move the choke lever to the FULL CHOKE position.
4. Pull the starter handle firmly and quickly until the engine fires (usually 1-3 pulls). Do not pull the rope to its full extension.
5. Once the engine fires, move the choke lever to the HALF CHOKE position.
6. Pull the starter handle again until the engine starts and runs.
7. Once the engine is running, move the choke lever to the RUN position. Allow the engine to warm up for a few moments.
8. Disengage the chain brake before beginning cutting operations.

3.2 Starting the Engine (Warm Start)

1. Ensure the chain brake is engaged.

2. Move the choke lever to the RUN position.
3. Pull the starter handle firmly and quickly until the engine starts.
4. Disengage the chain brake before beginning cutting operations.

3.3 Cutting Techniques

Always maintain a firm grip with both hands on the chain saw handles. Stand with your feet apart for balance. Avoid cutting with the tip of the guide bar to prevent kickback.

- **Limbing:** Remove branches from a fallen tree. Work from the bottom up, supporting the branch if necessary to prevent pinching.
- **Bucking:** Cut a fallen log into sections. Be aware of tension and compression in the wood to avoid pinching the bar.

4. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your chain saw.

4.1 Daily Checks

- Check chain tension.
- Verify chain sharpness.
- Inspect the guide bar for wear or damage.
- Check chain oil flow.
- Clean the air filter.

4.2 Chain Sharpening

A sharp chain is crucial for safe and efficient cutting. Use a round file of the correct diameter (refer to chain specifications) and a filing guide. File all cutters to the same length and angle.

4.3 Air Filter Cleaning

Remove the air filter cover and clean the filter element. Wash foam filters with warm, soapy water, rinse, and allow to dry completely before reinstallation. Replace damaged filters.

4.4 Spark Plug Inspection

Remove the spark plug and inspect for fouling or wear. Clean or replace as necessary. Ensure the correct gap is set.



Figure 3: Side view of the ECHO CS-271T-12 engine, showing the cooling fins and general engine layout, relevant for maintenance access.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your ECHO CS-271T-12 chain saw.

Problem	Possible Cause	Solution
Engine won't start	No fuel, incorrect choke setting, fouled spark plug, flooded engine	Check fuel level, adjust choke, clean/replace spark plug, follow de-flooding procedure in main manual
Engine runs poorly/lacks power	Dirty air filter, stale fuel, incorrect fuel mixture, dull chain	Clean air filter, use fresh fuel, ensure correct fuel mix, sharpen chain
Chain not cutting efficiently	Dull chain, incorrect chain tension, worn guide bar	Sharpen chain, adjust tension, inspect/replace guide bar
Chain oil not flowing	Empty oil tank, clogged oil port, damaged oil pump	Refill oil tank, clean oil port, consult service center for pump issues

6. SPECIFICATIONS

Feature	Specification
Brand	ECHO
Model Number	CS-271T-12
Power Source	Gasoline-powered
Engine Displacement	26.9 CC


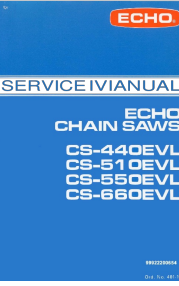
Feature	Specification
Horsepower	5.3 HP
Chain Length	12 Inches
Product Dimensions (L x W x H)	12" x 10" x 10"
Item Weight	10.18 pounds
UPC	743184001974
Starting System	i-30 (reduced effort starting)
Safety Features	Inertia-type chain brake, vibration-reduction system





7. WARRANTY AND SUPPORT

ECHO products are backed by a comprehensive warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official ECHO website. For technical support, parts, or service, contact your authorized ECHO dealer or visit www.echo-usa.com.

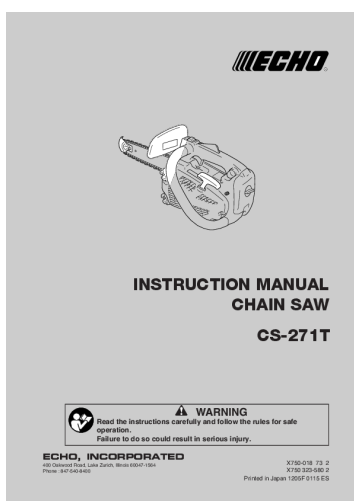
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Related Documents - CS-271T-12

	<p>ECHO CS-271T Chainsaw Parts Catalog</p> <p>Comprehensive parts catalog for the ECHO CS-271T Chainsaw, detailing all components, part numbers, and descriptions in both English and Spanish. Includes optional accessories and safety equipment.</p>
	<p>ECHO Chain Saw Service Manual CS-440EVL, CS-510EVL, CS-550EVL, CS-660EVL</p> <p>Comprehensive service manual for ECHO chain saw models CS-440EVL, CS-510EVL, CS-550EVL, and CS-660EVL, providing detailed specifications, technical data, service limits, and torque specifications for maintenance and repair.</p>

	<p>ECHO CS-490 Chain Saw Parts Catalog</p> <p>Comprehensive parts catalog for the ECHO CS-490 Chain Saw, detailing all components, part numbers, and descriptions for maintenance and repair. Includes optional accessories and safety equipment.</p>
	<p>ECHO CS-4510 Chainsaw Parts Catalog and Accessories Guide</p> <p>Comprehensive parts catalog and accessory guide for the ECHO CS-4510 chainsaw. Features detailed exploded views, part numbers, and descriptions in English and Spanish for all major components, including engine, carburetor, fuel system, and safety equipment.</p>
	<p>ECHO CS-4510 Chainsaw Parts Catalog and Accessories</p> <p>Comprehensive parts catalog for the ECHO CS-4510 Chainsaw, listing all components, optional accessories, and safety equipment with part numbers and descriptions in English and Spanish. Includes diagrams and technical specifications for various assemblies.</p>
	<p>ECHO CS-400 Chain Saw Parts Catalog</p> <p>Comprehensive parts catalog for the ECHO CS-400 chain saw, detailing all components with part numbers, descriptions, and diagrams. Includes information on engine, carburetor, fuel system, ignition, and more.</p>

Documents - ECHO – CS-271T-12

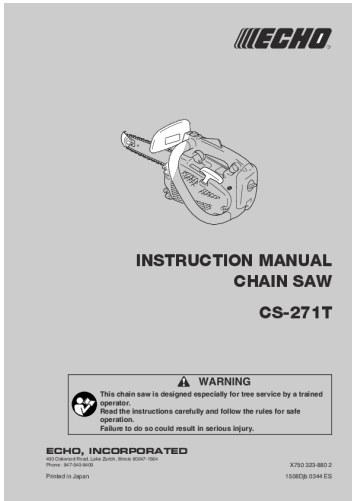


[\[pdf\] User Manual Instructions Guide](#)

untitled INSTRUCTION MANUAL CHAIN SAW CS 271T ECHO USA WARNING Read the instructions carefully and follow rules for safe operation Failure to do so could result in serious injury X750 018 73 2 323 580 INCORPORATED 400 Oakwood Road Lake Zurich Illinois 60047 1564 Phone 847 540 8400 Printed Japan 1205F 0115 ES All chain saw service other than items listed Instruction manual maintenance should be performed by competent personnel For 17 CS271Tes1112 050112 echo usa getattachment cfe4990a 132c 4396 8e94 7699a66e7819 271Tes 1112

INSTRUCTION MANUAL CHAIN SAW CS-271T WARNING Read the instructions carefully and follow the rules for safe operation. Failure to do so could result in serious injury. ECHO, INCORPORATED 400 Oakwood Road, Lake Zurich, Illinois 60047-1564 Phone : 847-540-8400 X750-018 73 2 X750 323-580 2 Printed in...

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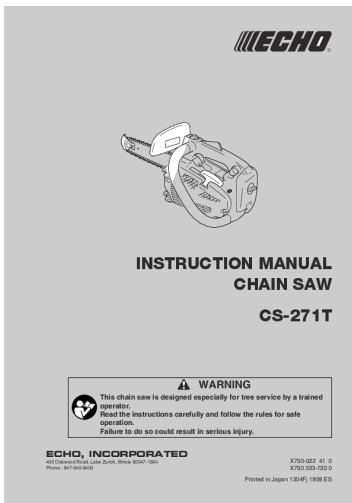


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instruction manual chain saw CS-271T WARNING This chain saw is designed especially for tree service by a trained operator. Read the instructions carefully and follow the rules for safe operation. Failure to do so could result in serious injury. echo, incorporated 400 Oakwood Road, Lake Zurich, Ill...

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2021 ECHO UNIT PRICING		EFFECTIVE 06/09/21	
MODEL	DESCRIPTION	UPC	UNIT PRICE
CS-251P-12	CHAIN SAW 12" BAR	743184510971	199.99
CS-251P-14	CHAIN SAW 14" BAR	743184510972	229.99
CS-251T-12	CHAIN SAW 12" BAR	743184510973	199.99
CS-251T-14	CHAIN SAW 14" BAR	743184510974	229.99
CS-303T-12	CHAIN SAW 12" BAR	743184510975	299.99
CS-303T-14	CHAIN SAW 14" BAR	743184510976	329.99
CS-310-14	CHAIN SAW 14" BAR	743184510977	359.99
CS-310-16	CHAIN SAW 16" BAR	743184510978	389.99
CS-352-14/16	CHAIN SAW 14" BAR	743184510979	459.99
CS-352-14/16	CHAIN SAW 16" BAR	743184510980	489.99
CS-370-14/16	CHAIN SAW 14" BAR	743184510981	559.99
CS-370-14/16	CHAIN SAW 16" BAR	743184510982	589.99
CS-400-16/18	CHAIN SAW 16" BAR	743184510983	659.99
CS-400-16/18	CHAIN SAW 18" BAR	743184510984	689.99
CS-341-12/14/16	CHAIN SAW 12" BAR	743184510985	329.99
CS-341-12/14/16	CHAIN SAW 14" BAR	743184510986	359.99
CS-341-12/14/16	CHAIN SAW 16" BAR	743184510987	389.99
CS-355T-14/16	CHAIN SAW 14" BAR	743184510988	459.99
CS-355T-14/16	CHAIN SAW 16" BAR	743184510989	489.99
CS-360T-12/14/16	CHAIN SAW 12" BAR	743184510990	429.99
CS-360T-12/14/16	CHAIN SAW 14" BAR	743184510991	459.99
CS-360T-12/14/16	CHAIN SAW 16" BAR	743184510992	489.99

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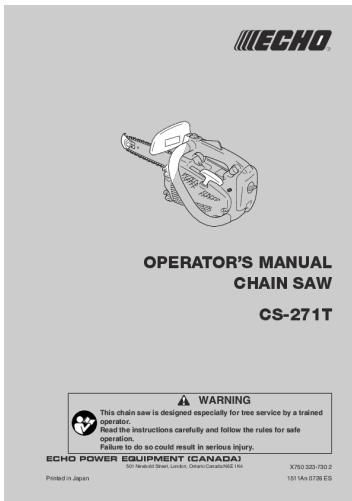
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Fall12ValassisECHOspreads 4NTNL705 echo usa Get Serious

CLEAN UP FALL DEBRIS WITH PB-250LNECHO S BEST SELLING HAND HELD BLOWER THIS FALL BLOWER REBATES ... e of these select models up to 18 bar length: CS-310-14, CS-352-14/16, CS-370-14/16, CS-400-16/18, **CS-271T-12**, CS-330T-12/14/16, CS-360T-12/14/16, CS-355T-14/16, CS-341-12/14/16 chain saws. Offer val...

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[pdf] Specifications Warranty

ECHO 8S2 indd 6450001GE Specification Sheet bostwick pim s3 amazonaws Damroot Original 10001 |||

WHY ECHO EASY STARTING LONG LASTING USER FRIENDLY Are your customers tired of outdoor power equip ... TRADE UP TO ECHO THE PROFESSIONAL S CHOICE F Chain Saws ECHO Model Grainger No. Description CS-271T-12 44X150 CS-310-14 44X152 CS-355T-14 44X154 CS-370-16 44X156 CS-400-18 44X158 CS-450P-18 44...

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[pdf] Warranty

ECHO 8S2 indd EASY STARTING LONG LASTING USER FRIENDLY 22 8 cc Curved Shaft Trimmer SRM 225 44X198 21 2 Straight ECHOmatic® Head for Trimmers 21560056 44X209 Line Rapid 40JW43 1 grainger ca ec |||

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CHAINSAWS ECHO USA warnin c r h echo usa 3 p65w suggested rear handle chainsaw application cs 4510 4910 501p 310 3510 400 590 620p 620pw 680 7310p 2021 Echo ProductCatalog Final Chainsaws getattachment 9aa4764b fa71 48fa b4cf 03a05f65f123 Chain Saws 80

CHAINSAWS Backed by professionals, ECHO s top and rear handle chainsaws can tackle the toughest jobs out there and will give you superior, smooth operation. Get the power and durability you need from the high-performance, 2-stroke engine and the fast start you want with our advanced ignition system...

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Click Here to View Service Manual Echo CS 271T Professional Top Handle Chain Saw Powerhead Only SawSuppliers SM 401 37 v 1614473297 cdn shopify s files 1 0080 7993 3487 |||

CS-271T Ord. No. 401-37 INTRODUCTION This service manual contains information for service and maintenance of ECHO CHAIN SAW, model CS-271T. For systematic diagnosis, to avoid extra work, time loss and to meet Emission regulation, please refer to Troubleshooting guide that describes problems, tes...

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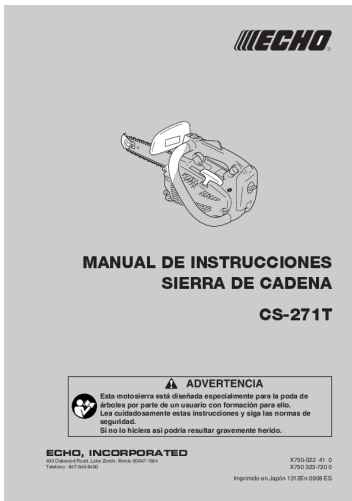


[\[pdf\]](#) Accessories

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WHY ECHO Are your customers tired of outdoor power equipment that s hard to start Frustrated wit ... unctioing for years. THE PROFESSIONAL S CHOICE Chain Saws ECHO Model Grainger No. Description **CS-271T-12** 44X150 26.9 cc Top Handle Chain Saw w/ 12 Bar Chain CS-310-14 44X152 30.5 cc Chai...

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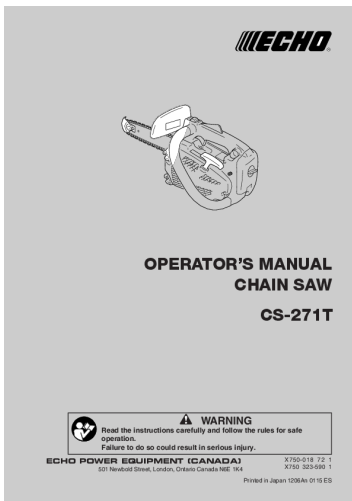
[\[pdf\]](#) User Manual Documentation

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MANUAL DE INSTRUCCIONES SIERRA DE CADENA CS-271T ADVERTENCIA

Esta motosierra est diseñada especialmente para la poda de rboles por parte de un usuario con formacin para ello. Lea cuidadosamente estas instrucciones y siga las normas de seguridad. Si no lo hiciera asi podria resultar gravemente herido...

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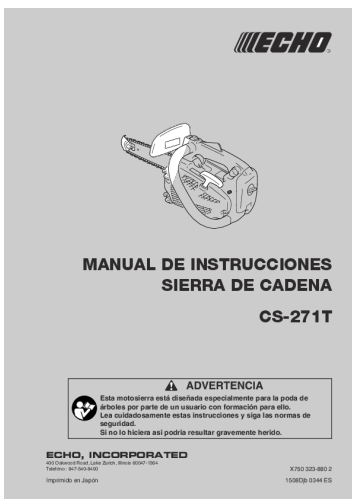


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OPERATOR S MANUAL CHAIN SAW CS-271T WARNING Read the instructions carefully and follow the rules for safe operation. Failure to do so could result in serious injury. ECHO POWER EQUIPMENT CANADA 501 Newbold Street, London, Ontario Canada N6E 1K4 X750-018 72 1 X750 323-590 1 Printed in Japan 120...

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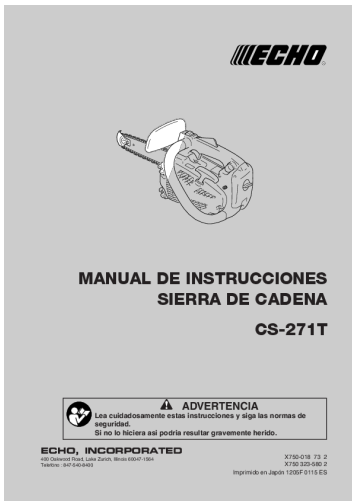
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MANUAL DE INSTRUCCIONES SIERRA DE CADENA CS-271T ADVERTENCIA

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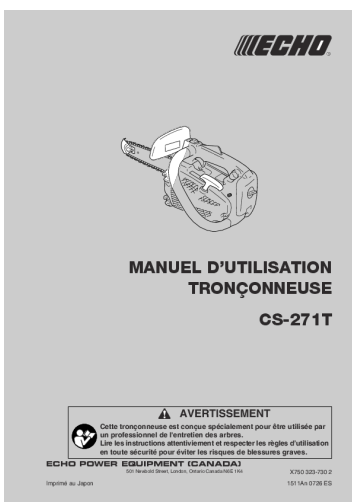


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NEW PARTS Crikside Enterprises Ltd 2019 ECHO ProductCatalog echo ca Images Spring ext |||

2019 PRODUCT CATALOG PRODUCT CATEGORY ECHO has been a leading innovator and manufacturer of professional-grade outdoor power equipment in North America since 1972. ECHO equipment is a favorite choice of green space professionals including commercial and residential landscapers, parks and rec depar...

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MANUEL D UTILISATION TRONONNEUSE CS-271T AVERTISSEMENT Cette trononneuse est conue spcialement pour tre utilise par un professionnel de l entretien des arbres. Lire les instructions attentivement et respecter les rgles d utilisation en toute scurit pour viter les risques de blessures graves. ech...

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2021 catalogue des produits MotoSport GL 9 apr — Notre gamme ECHO met en vedette Scies à chaîne Coupe herbes Souffleurs GT 225 225i 225SF Arbre courbé longueur étendue avec la tête echo fr motosportgl |||

2021 CATALOGUE DES PRODUITS Depuis 1972, ECHO a t un chef de file innovateur et un fabricant d quipements motoriss professionnels pour l exterieur. L quipement ECHO est le choix prfr des professionnels de l entretien, y compris les paysagistes commerciaux, les travailleurs des parcs et loisirs, les...

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