

Operator's Manual SHC-2620/S Shaft Hedge Trimmer



The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.





Read and understand all provided literature before use. Failure to do so could result in serious injury.

This product complies with CAN ICES-2/NMB-2.

TABLE OF CONTENTS

Table of Contents	2
Introduction	
Servicing Information	
Parts/Serial Number	
Service	
ECHO Consumer Product Support	
Product Registration	. 4
Additional Literature	
Safety Manual Safety Symbols and Important Information	
International Symbols	. 5
Personal Condition and Safety Equipment	
Equipment	
Emission Control (Exhaust & Evaporative)	
CARB And EPA Emissions Control Information	
Description	
Contents	
Assembly	
Gear Housing Assembly and Drive Shaft	
Operation	
Fuel	-
Starting Cold Engine	
Starting Warm Engine	
Stopping Engine	
Hedge Trimming	25
Maintenance	26
Skill Levels	
Maintenance Intervals	
Air Filter	28
Fuel Filter	29
Spark Plug	30
Cooling System	30
Exhaust System	32
Carburetor Adjustment	33
Lubrication	34
Blades	36
Troubleshooting	38
Storage	39
Long Term Storage (Over 30 Days)	
Specifications	
Product Registration	

INTRODUCTION

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.



Read and understand all provided literature. Literature contains specifications and information for safety, operation, maintenance, storage and assembly specific to this product. Scan QR codes for more information.



For additional literature, including safety manuals where applicable, or questions regarding terms used in this manual, visit:

https://www.echo-usa.com/manuals

OR





https://www.shindaiwa-usa.com/manuals

SERVICING INFORMATION

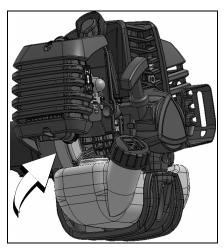
SHC-2620 / S

SERVICING INFORMATION

Parts/Serial Number

Genuine ECHO Parts and Assemblies for your ECHO products are available only from an Authorized ECHO Dealer. When you do need to buy parts always have the Model Number and Serial Number of the unit with you. For future reference write them in the space provided below.

Model No.	
Serial No.	



Service

Service of this product during the warranty period must be performed by an Authorized ECHO Service Dealer. For the name and address of the Authorized ECHO Service Dealer nearest you, ask your retailer or call: 1-800-432-ECHO (3246). Dealer information is also available on our Web Site www.echo-usa.com. When presenting your unit for Warranty service/ repairs, proof of purchase is required.

ECHO Consumer Product Support

If you require assistance or have questions concerning the application, operation, or maintenance of this product, call the ECHO Consumer Product Support Department at 1-800-432-ECHO (3246) from 8:00 am to 5:00 pm (Central Standard Time) Monday through Friday. Before calling, please know the model and serial number of your unit.

Product Registration

Register your ECHO equipment on-line at www.echo-usa.com or by filling out the product registration sheet included in this manual. Registering your product confirms warranty coverage and provides a direct link to ECHO if we find it necessary to contact you.

Additional Literature

Λ

In addition to finding information online, information is available from your Authorized ECHO Service Dealer, or by contacting ECHO Inc., 400 Oakwood Road, Lake Zurich, IL 60047 (1-800-432-ECHO (3246)).



Manual Safety Symbols and Important Information

Throughout this manual and on the product itself, you will find safety alerts and helpful, informational messages preceded by symbols or key words. The following is an explanation of those symbols and key words and what they mean to you.

DANGE

The safety alert symbol accompanied by the word "DANGER" calls attention to an act or condition which WILL lead to serious personal injury or death if not avoided.

WARNING

The safety alert symbol accompanied by the word "WARNING" calls attention to an act or condition which CAN lead to serious personal injury or death if not avoided.

CAUTION

The safety alert symbol accompanied by the word "CAUTION" calls attention to an act or condition which may lead to minor or moderate personal injury if not avoided.

The enclosed message provides information necessary for the protection of the unit.

Note: This enclosed message provides tips for use, care and maintenance of the unit.



CIRCLE AND SLASH SYMBOL

This symbol means the specific action shown is prohibited. Ignoring these prohibitions can result in serious or fatal injury.

International Symbols

Symbol	Description	Symbol	Description
	Warning, See Operator's Manual		Carburetor Adjustment - High Speed Mixture

X7502342003



SHC-2620 / S

Symbol	Description	Symbol	Description
	Wear Eye, Ear and Head Protection	Τ	Carburetor Adjustment - Idle Speed
	Wear Hand and Foot Protection		Carburetor Adjustment - Low Speed Mixture
\triangle	Safety/Alert	STOP	Emergency Stop
	Hot Surface	+0	Fuel and Oil Mixture
	Finger Severing		Do not operate closer than 15 m (50 ft.) from electrical hazard.
	Avoid all power lines. This unit is not insulated against electrical current.	*	Plan retreat path from falling objects.
	DO NOT Allow Flames or Sparks Near Fuel	Ignition ON I OFF	Ignition ON / OFF
	DO NOT Smoke Near Fuel		Primer Bulb
•	Choke Control "RUN" Position (Choke Open)	<u> </u>	Choke Control "COLD START" Position (Choke Closed)

X7502342003

Symbol	Description	Symbol	Description		
نلا	Wear Slip Resistant Footwear		Chain Lubrication		
	Do not operate closer than 15 m (50 ft.) from electrical hazards.		Keep bystanders at least 15 m (50 ft.) away.		
Í		OOK BEFORE	YOU PUMP!		

Ethanol Percentage

0% - 10% 15% - 30% - 50% - 85%

USE E10 🕮 FUEL

Do not use any fuel containing greater than 10 percent ethanol (E10) in this equipment. It may cause damage or failure and is prohibited by Federal Law. For Details, see the "Fuel" Section of your Operators Manual





Cancer and Reproductive Harm www.P65Warnings.ca.gov





The muffler or catalytic muffler and surrounding cover may become extremely hot. Always keep clear of exhaust and muffler area, otherwise serious personal injury may occur.

WARNING

Users of this product risk injury to themselves and others if the unit is used improperly and/or safety precautions are not followed. Proper clothing and safety gear must be worn when operating unit.

Physical Condition

Your judgment and physical dexterity may not be good:

- If you are tired or sick
- · If you are taking medication
- · If you have taken alcohol or drugs

Operate unit only if you are physically and mentally well.

Eye Protection

WARNING

- Eye protection that meets ANSI Z87.1 or CE requirements must be worn whenever you operate the unit.
- For additional safety, a full-face shield may be worn over safety glasses or goggles to provide protection from sharp branches or flying debris.

Hand Protection

Wear sturdy, no-slip, rubber work gloves to improve your grip on the handles. Gloves also provide protection against cuts and scratches, cold environments, and reduce the transmission of machine vibration to your hands.

Hearing/Ear Protection

ECHO recommends wearing personal protection whenever unit is used.

Breathing Protection

Operators who are sensitive to dust or other common airborne allergens may need to wear a dust mask to prevent inhaling these materials while operating unit. Dust masks can provide protection against dust, plant debris, and other plant matter such as pollen. Make sure the mask does not impair your vision, and replace the mask as needed to prevent air restrictions.



Proper Clothing

Wear snug-fitting, durable clothing:

- · Pants should have long legs, shirts should have long sleeves.
- DO NOT WEAR SHORTS.
- DO NOT WEAR TIES, SCARVES, JEWELRY, or clothing with loose or hanging items that could become entangled in moving parts or surrounding growth.
- Keep clothing buttoned or zipped, and keep shirt tails tucked in.
- · Wear sturdy work shoes with nonskid rubber soles:
- DO NOT WEAR OPEN TOED SHOES.
- DO NOT OPERATE UNIT BAREFOOTED.

Keep long hair away from engine and air intake. Retain hair with cap or net.

Heavy protective clothing can increase operator fatigue, which may lead to heat stroke. Schedule heavy work for early morning or late afternoon hours when temperatures are cooler.

WARNING

The components of this machine generate an electromagnetic field during operation, which may interfere with some pacemakers. To reduce the risk of serious or fatal injury, persons with pacemakers should consult with their physician and the pacemaker manufacturer before operating this machine. In the absence of such information, ECHO <u>does not</u> <u>recommend</u> the use of this machine by anyone who has a pacemaker.

Extended Operation / Extreme Conditions

Prolonged exposure to cold and/or vibration may result in injury. Read and follow all safety and operation instructions to minimize risk of injury. Failure to follow instructions may result in painful wrist/hand/arm injuries. It is believed that a condition called Raynaud's Phenomenon, which affects the fingers of certain individuals, may be brought about by exposure to vibration and cold. Exposure to vibration and cold may cause tingling and burning sensations, followed by loss of color and numbness in the fingers. The following precautions are strongly recommended, because the minimum exposure, which might trigger the ailment, is unknown.

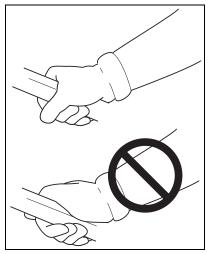
- Keep your body warm, especially the head, neck, feet, ankles, hands, and wrists.
- Maintain good blood circulation by performing vigorous arm exercises during frequent work breaks, and also by not smoking.
- Limit the hours of operation. Try to fill each day with jobs where operating the unit or other hand-held power equipment is not required.
- If you experience discomfort, redness, and swelling of the fingers followed by whitening and loss of feeling, consult your physician before further exposing yourself to cold and vibration.

Repetitive Stress Injuries (RSI)

It is believed that overusing the muscles and tendons of the fingers, hands, arms, and shoulders may cause soreness, swelling, numbness, weakness, and extreme pain in those areas. Certain repetitive hand activities may put you at a high risk for developing a Repetitive Stress Injury (RSI). An extreme RSI condition is Carpal Tunnel Syndrome (CTS), which could occur when your wrist swells and squeezes a vital nerve that runs through the area. Some believe that prolonged exposure to vibration may contribute to CTS. CTS can cause severe pain for months or even years.

To reduce the risk of RSI/CTS, do the following:

- Avoid using your wrist in a bent, extended, or twisted position. Instead try to maintain a straight wrist position. Also, when grasping, use your whole hand, not just the thumb and index finger.
- Take periodic breaks to minimize repetition and rest your hands.
- Reduce the speed and force with which you do the repetitive movement.



• Do exercises to strengthen the hand and arm muscles.



10

 Immediately stop using all power equipment and consult a doctor if you feel tingling, numbness, or pain in the fingers, hands, wrists, or arms. The sooner RSI/CTS is diagnosed, the more likely permanent nerve and muscle damage can be prevented.

A DANGER

All over head electrical conductors and communications wires can have electricity flow with high voltages. This unit is not insulated against electrical current. Never touch wires directly or indirectly, otherwise serious injury or death may result.

A DANGER

Do not operate this product indoors or in inadequately ventilated areas. Engine exhaust contains poisonous emissions and can cause serious injury or death.

Read the Manuals

• Provide all users of this equipment with the Operator's Manual for instructions on Safe Operation.

Clear the Work Area

• Spectators and fellow workers must be warned, and children and animals prevented from coming nearer than 15 m (50 ft.) while the unit is in use.

Keep a Firm Grip

• Always hold throttle handle and support handle with thumbs and fingers tightly encircling the handles.

Keep a Solid Stance

 Maintain footing and balance at all times. Do not stand on slippery, uneven or unstable surfaces. Do not work in odd positions or on ladders. Do not over reach.

Avoid Hot Surfaces

 Keep exhaust area clear of flammable debris. Avoid contact during and immediately after operation.



11

WARNING

Never perform blade maintenance procedures while engine is running.

Equipment



Use only ECHO attachments. Serious injury may result from the use of a non-approved attachment combination. ECHO, INC. will not be responsible for the failure of cutting devices, attachments or accessories which have not been tested and approved by ECHO, INC. Read and comply with all safety instructions listed in this manual and safety manual.

- Check unit for loose or missing nuts, bolts, and screws. Tighten and/or replace as needed.
- Check that the cutting attachment is firmly attached and in safe operating condition. Dull, loose or damaged blades should not be used.



Moving parts can amputate fingers or cause severe injuries. Keep hands, clothing and loose objects away from all openings.

- ALWAYS stop engine, disconnect spark plug, and make sure all moving parts have come to a complete stop before removing obstructions, clearing debris, or servicing unit.
- DO NOT start or operate unit unless all guards and protective covers are properly assembled to unit.
- NEVER reach into any opening while the engine is running. Moving parts may not be visible through openings.

WARNING

Periodically check fuel system (fuel lines, vent, grommet, fuel tank, and fuel cap) for leaks especially if the unit is dropped. If damage or leaks are found, do not use unit, otherwise serious personal injury or property damage may occur. Have unit repaired by an authorized servicing dealer before using.

EMISSION CONTROL (EXHAUST & EVAPORATIVE)

CARB And EPA Emissions Control Information

The emission control system for the engine is EM (engine modification) and, if the second to last character of the Engine Family on the Emission Control Information label (sample below) is "B", "C", "K", or "T", the emission control system is EM and TWC (3way catalyst). The fuel tank/fuel



E

YAMABIKO CORP. MMM/YYYY

line emission control system is EVAP (evaporative emissions). Evaporative emissions for California models are only applicable to fuel tanks and fuel feed lines.

An Emission Control Label is located on the engine. (This is an EXAMPLE ONLY, information on label varies by engine FAMILY).

Product Emission Durability (Emission Compliance Period)

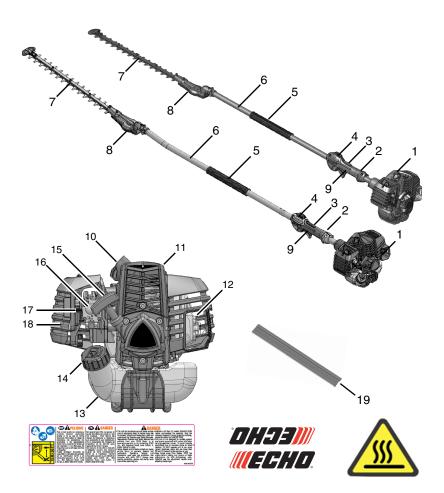
EMISSION CONTROL INFORMATION ENGINE FAMILY: CERDS.0214KL DISPLACEMENT: 21.20C EMISSION COMPLIANCE PERIOD: 300Hours THIS ENGINE MEETS 2012 U.S. EPA EDH/EVP & CALIFORNIA EXPLEVP EMISSION REGULATIONS FOR S.O.R.E. REFER TO OWNER'S MANUAL FOR MAINTENANCE SPECIFICATIONS AND ADJUSTMENTS. YAMABIKO CORP. MMM/YYYYY

The 50 or 300 hour emission compliance period is the time span selected by the manufacturer certifying the engine emissions output meets applicable emissions regulations, provided that approved maintenance procedures are followed as listed in the Maintenance Section of this manual.



DESCRIPTION

Locate the safety decal(s) on your unit. Make sure the decal(s) is legible and that you understand and follow the instructions on it. If a decal cannot be read, a new one can be ordered from your ECHO dealer. Safety label is for example only. Your label my appear slightly different.



- 1. POWER HEAD
- 2. THROTTLE HANDLE FOR RIGHT HAND

X7502342003 © 07/19 ECHO Incorporated

SHC-2620 / S

- 3. THROTTLE TRIGGER LOCKOUT
- 4. STOP SWITCH
- 5. SUPPORT HANDLE FOR LEFT HAND
- 6. DRIVE SHAFT ASSEMBLY
- 7. BLADES
- 8. GEAR HOUSING ASSEMBLY
- 9. THROTTLE TRIGGER
- 10. SPARK PLUG
- 11. TOP GUARD
- 12. SPARK ARRESTOR MUFFLER OR SPARK ARRESTOR MUFFLER WITH CATALYST
- 13. FUEL TANK
- 14. FUEL TANK CAP
- 15. RECOIL STARTER HANDLE
- 16. PURGE BULB
- 17. CHOKE CONTROL
- 18. AIR CLEANER
- 19. BLADE COVER



CONTENTS

The ECHO product you purchased has been factory pre-assembled for your convenience. Due to packaging restrictions, some assembly may be necessary.

After opening the carton, check for damage. Immediately notify your retailer or ECHO dealer of damaged or missing parts. Use the contents list to check for missing parts.

- 1 Power Head / Drive Shaft Assembly
- 1 Gear Case Assembly
- 1 Operator's Manual
- 1 Warranty Statement
- 1 Blade Cover

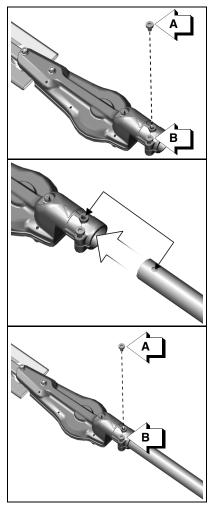


ASSEMBLY

Gear Housing Assembly and Drive Shaft

- Note: Hedge Trimmer Blades are sharp, wear gloves to protect hands.
- 1. Remove locating bolt (A) and loosen clamping bolt (B).
- 2. Remove vinyl cap from drive shaft if necessary.

- 3. Align locating hole in gear housing with locating hole in drive shaft.
- Slide gear housing assembly onto drive shaft. Be certain the flex drive shaft engages the hole in the driver gear.
- 5. Install locating bolt (A). Tighten clamping bolt (B).





OPERATION

WARNING

Moving parts can amputate fingers or cause severe injuries. Keep hands, clothing and loose objects away from all openings. Always stop engine, disconnect spark plug, and make sure all moving parts have come to a complete stop before removing obstructions, clearing debris, or servicing unit.

WARNING

Engine exhaust IS HOT, and contains Carbon Monoxide (CO), a poison gas. Breathing CO can cause unconsciousness, serious injury, or death. Exhaust can cause serious burns. ALWAYS position unit so that exhaust is directed away from your face and body.

WARNING

Operation of this equipment may create sparks that can start fires around dry vegetation. This unit is equipped with a spark arrestor to prevent discharge of hot particles from the engine. Metal cutters can also create sparks if the cutter strikes rocks, metal, or other hard objects. Contact local fire authorities for laws or regulations regarding fire prevention requirements.

Fuel

WARNING

Diesel fuels and alternative fuels, such as E-15 (15% ethanol), E -85 (85% ethanol) or any fuels not meeting ECHO requirements are NOT approved for use in ECHO 2-stroke gasoline engines. Use of diesel or alternative fuels may cause performance problems, loss of power, overheating, fuel vapor lock, and unintended machine operation, including, but not limited to, improper clutch engagement. Diesel or alternative fuels may also cause premature deterioration of fuel lines, gaskets, carburetors and other engine components.

Fuel Requirements

Gasoline - Use 89 Octane [R+M/2] (mid grade or higher) gasoline known to be good quality. Gasoline may contain up to 10% Ethanol (grain alcohol) or 15% MTBE (methyl tertiary-butyl ether). Gasoline containing methanol (wood alcohol) is NOT approved. Use of ECHO branded fuel is recommended to extend engine life in all air-cooled 2-stroke and 2/4-stroke hybrid engines.

Two Stroke Oil - A two-stroke engine oil, such as ECHO branded 2-stroke oils, meeting ISO-L-EGD (ISO/CD 13738) and J.A.S.O. FD Standards must be used. ECHO branded 2-stroke oils meet these standards. Engine problems due to inadequate lubrication caused by failure to use an ISO-L-EGD (ISO/CD 13738) and J.A.S.O. M345-FD certified oil will void the twostroke engine warranty.

WARNING

2-Stroke engine oil contains petroleum distillates and other additives that may be harmful if swallowed. Heated oil can release vapors that can cause flash fire, or ignite with explosive force. Read and follow the oil manufacturer's instructions, and observe all safety warnings and precautions for handling flammable liquids. For more detailed safety and first aid information, visit www.echo-usa.com for a copy of the Material Safety Data Sheet.

- KEEP OUT OF REACH OF CHILDREN.
- If swallowed, do not induce vomiting. CALL PHYSICIAN OR A POISON CONTROL CENTER IMMEDIATELY.
- WEAR SAFETY GLASSES when mixing or handling.
- AVOID repeated or prolonged skin contact.
- AVOID inhaling oil mists or vapors.

ECHO branded 2-stroke oils may be mixed at 50:1 ratio for application in all ECHO engines sold in the past regardless of ratio specified in those manuals.

Handling Fuel



Fuel is VERY flammable. Use extreme care when mixing, storing or handling, or serious personal injury may result.

X7502342003



OPERATION

- Use an approved fuel container. Mark fuel containers as containing 2-stroke mixture fuel.
- DO NOT smoke near fuel.
- DO NOT allow flames or sparks near fuel.
- Fuel tanks/cans may be under pressure. Always loosen fuel caps slowly allowing pressure to equalize.
- NEVER refuel a unit when the engine is HOT or RUNNING!
- DO NOT fill fuel tanks indoors. ALWAYS fill fuel tanks outdoors over bare ground.
- DO NOT overfill fuel tank. Wipe up spills immediately.
- Securely tighten fuel tank cap and close fuel container after refueling.
- Inspect for fuel leakage. If fuel leakage is found, do not start or operate unit until leakage is repaired.
- Move at least 3 m (10 ft.) from refueling location before starting the engine.

DANG

Gasoline vapor is heavier than air, and can travel along the ground to nearby sources of ignition such as electrical motors, pilot lights, and hot or running engines. Vapors ignited by an ignition source can flash back to the fuel container, resulting in an explosion, fire, serious or fatal injuries, and extensive property damage.

Mixing Instructions

- Fill an approved fuel container 1. with half of the required amount of gasoline.
- 2. Add the proper amount of 2-stroke oil to gasoline.
- Close container and shake to 3. mix oil with gasoline.
- 4. Add remaining gasoline, close fuel container, and remix.

Fuel to Oil Mix – 50:1 Ratio					
U	S	Metric			
Gas	Oil	Gas Oil			
gal.	fl.oz.	L	СС		
1	2.6	5	100		
2	2 5.2		200		
5	5 13 25 500				

NOTICE

Spilled fuel is a leading cause of hydrocarbon emissions. Some states may require the use of automatic fuel shut-off containers to reduce fuel spillage.

X7502342003

X1502342003 © 07/19 ECHO Incorporated

SHC-2620 / S

21

Storage - Fuel storage laws vary by locality. Contact your local government for the laws affecting your area. As a precaution, store fuel in an approved, airtight container. Store in a well-ventilated, unoccupied building, away from sparks and flames.

• Empty the fuel tank prior to storing the unit. Return unused fuel to an approved fuel storage container.

NOTICE

Stored fuel ages. Do not mix more fuel than you expect to use in 30 days, 90 days when a fuel stabilizer is added.

NOTICE

Stored two-stroke fuel may separate. ALWAYS shake fuel container thoroughly before each use.

NOTICE

Used oil and gasoline, and soiled towels are hazardous waste materials. Disposal laws vary by locality.

Starting Cold Engine

WARNING

Hedge Trimmer blades are very sharp. Touching them may lead to severe personal injury. Avoid touching blades whenever possible, and always wear gloves to protect hands.

Note: The blade cover is used for transportation and storage. Remove blade cover before using the unit.

WARNING

The attachment will operate immediately when the engine starts, and could result in possible serious injury. Keep movable parts of the attachment away from objects that could become entangled or thrown, and surfaces that could cause loss of control.

OPERATION

1. Stop Switch Move stop switch (A) away from the STOP position.

2. Choke

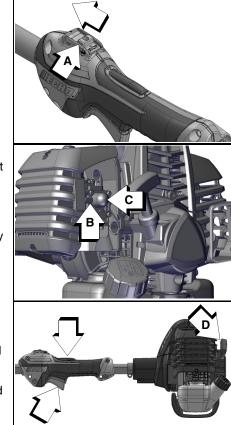
Move choke (B) to Cold Start (closed) position.

3. Purge Bulb

Pump purge bulb (C) until fuel is visible and flows freely in the clear fuel tank return line. Pump bulb an additional four or five times.

4. Recoil Starter

Lay the unit on a flat area and keep movable attachment parts clear of all obstacles. Firmly grasp throttle handle and throttle trigger lockout with left hand and fully depress throttle trigger to wide open position. Rapidly pull recoil



starter handle (D) until engine fires (or maximum five pulls).

5. Choke

After engine fires (or five pulls), move choke (B) to the Run ($|\downarrow|$) (open) position. Firmly grasp throttle handle and throttle trigger lockout with left hand and fully depress throttle trigger to wide open position. Pull starter handle until engine starts and runs. Release throttle trigger and allow unit to warm up at idle for several minutes.

Note: If engine does not start with choke in "Run" position after five pulls, repeat instructions 2 - 5.

WARNING

The blades must not move at idle, otherwise serious personal injury may result. Periodic carburetor adjustment may be necessary to assure blades do not move at idle. If blades move, readjust carburetor according to "Carburetor Adjustment" instructions in this manual or see your dealer.

6. Throttle Trigger

After engine warm-up, grip the throttle handle and support handle. Depress the throttle trigger lockout, and gradually depress throttle trigger to increase engine RPM to operating speed.

Starting Warm Engine

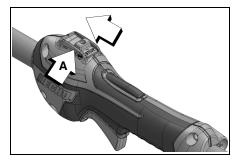
The starting procedure is the same as Cold Start except DO NOT close the choke, and do not depress throttle trigger to wide open position.

WARNING

The blades must not move at idle, otherwise serious personal injury may result. Periodic carburetor adjustment may be necessary to assure blades do not move at idle. If blades move, readjust carburetor according to "Carburetor Adjustment" instructions in this manual or see your dealer.

1. Stop Switch

Move stop switch (A) away from the STOP position.





OPERATION

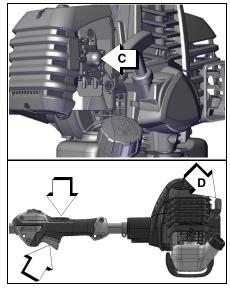
SHC-2620 / S

2. Purge Bulb

Pump purge bulb (C) until fuel is visible and flows freely in the clear fuel tank return line. Pump bulb an additional four or five times.

3. Recoil Starter

Lay the unit on a flat area and keep movable attachment parts clear of all obstacles. Firmly grip throttle handle and throttle trigger lockout with left hand. Rapidly pull recoil starter handle (D) until engine starts.



Note: If engine does not start after five pulls, use Cold Start Procedure.

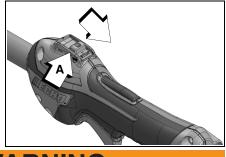
Stopping Engine

1. Throttle

Release throttle and allow engine to return to idle before shutting off engine.

2. Stop Switch

Move stop switch (A) to STOP position.



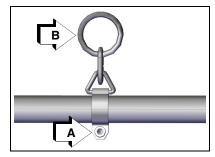
WARNING

If engine does not stop when stop switch is moved to STOP position, close choke - COLD START position - to stall engine. Have your dealer repair stop switch before using unit again.

Hedge Trimming

Shoulder Harness (if included)

- 1. Loosen harness clamp screw (A).
- 2. Put harness on and attach it to harness clamp ring (B).
- 3. Adjust harness for comfortable operation.
- Tighten harness clamp screw (A).



WARNING

Hedge Trimmer blades are very sharp. Touching them may lead to severe personal injury. Avoid touching blades whenever possible, and always wear gloves to protect hands.



Never remove hands from unit when blades are moving. The engine continues running even when the blades have stopped due to an obstruction. If this occurs, stop the engine, disconnect ignition cable and remove the obstruction.

- 1. Always grip throttle handle with right hand and support handle with left hand.
- 2. Hold trimmer firmly and squeeze throttle trigger to accelerate engine.
- Tilt trimmer so cutting teeth are angled slightly toward the hedge or shrub and proceed to cut.



Gear case becomes extremely hot during use. Wear gloves to protect hands whenever handling gear case. Otherwise serious personal injury may result.

MAINTENANCE

WARNING

Moving parts can amputate fingers or cause severe injuries. Keep hands, clothing and loose objects away from all openings. Always stop engine, disconnect spark plug, and make sure all moving parts have come to a complete stop before removing obstructions, clearing debris, or servicing unit. Allow unit to cool before performing service. Wear gloves to protect hands from sharp edges and hot surfaces.

WARNING

Operating a poorly maintained unit can result in serious injuries to operator or bystanders. Always follow all maintenance instructions as written, otherwise serious personal injury may result.

Your unit is designed to provide many hours of trouble free service. Regular scheduled maintenance will help your unit achieve that goal. If you are unsure or are not equipped with the necessary tools, we recommend that you take your unit to a Servicing Dealer for maintenance. To help you decide whether you want to DO-IT-YOURSELF or have the Dealer do it, each maintenance task has been graded. If the task is not listed, see your Dealer for repairs.

Skill Levels

Level 1 = Easy to do. Common tools may be required.

Level 2 = Moderate difficulty. Some specialized tools may be required.

Level 3 = See your dealer.

Click HERE or go to http://www.echo-usa.com/products/maintenance-kit

or

HERE https://www.shindaiwa-usa.com/you-can.aspx

For information about maintenance kits.



Maintenance Intervals

COMPONENT/SYSTEM	MAINTENANCE PROCEDURE	REQ'D SKILL LEVEL
Daily or Before Use		
Air Filter	Inspect/Clean *	1
Choke Shutter	Inspect/Clean	1
Fuel System	Inspect ³	1
Cooling System	Inspect/Clean	2
Recoil Starter Rope	Inspect/Clean *	1
Screws/Nuts/Bolts	Inspect/Tighten/Replace *	1
Blades	Inspect/Clean ²	1
Every Refuel		
Fuel System	Inspect ³	1
3 Months		
Air Filter	Replace *	1
Fuel Filter	Inspect *	1
Fuel Cap Gasket	Inspect *	1
Spark Plug	Inspect/Clean/Replace *	1
Muffler Spark Arrestor	Inspect/Clean/Replace *	2
Cylinder Exhaust Port	Inspect/Clean/De-carbon	2
Gear Housing	Grease ¹	2
Yearly	•	
Fuel Filter	Inspect/Replace *	1
Fuel Cap Gasket	Replace *	1

IMPORTANT NOTE - Time intervals shown are maximum. Actual use and your experience will determine the frequency of required maintenance.

MAINTENANCE PROCEDURE NOTES:

- 1 Apply lithium based grease every 25 hours of use.
- 2 Inspect blade and clean and sharpen as needed. Lubricate blades periodically during use.
- 3 Low evaporative fuel tanks DO NOT require regular maintenance to maintain emission integrity.



* Replacement is recommended based on the finding of damage or wear during inspection.

Air Filter

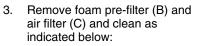
Level 1

Parts Required: Tune Up Kit.

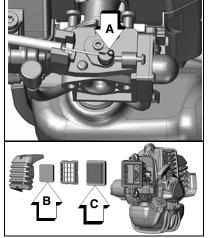
- 1. Close choke (COLD START position). This prevents dirt from entering the carburetor throat when the air filter is removed. Brush accumulated dirt from air cleaner area.
- 2. Remove air filter cover. Brush dirt from inside cover.

NOTICE

Assure throttle wire retaining clip (A) remains in place as shown when removing or installing air filter cover.



- 4. Foam Pre-filter.
 - Clean foam filter in water/ detergent solution and rinse with clean water.



• Wrap the filter in a clean, dry cloth and squeeze (do not wring) dry. Allow to dry completely before reuse. Do not oil.

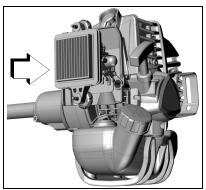
Air Filter

- Lightly brush debris from filter. Replace filter if it is damaged, fuel soaked, very dirty, or the rubber sealing edges are deformed.
- 5. Assemble components in reverse order.

X7502342003

NOTICE

Assure air filter is assembled with pleats oriented vertically.



Fuel Filter

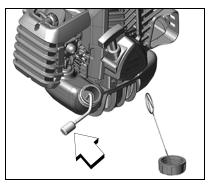
Level 1.

Parts Required: Tune Up Kit.

DANGER

Fuel is VERY flammable. Use extreme care when mixing, storing or handling, or serious personal injury may result.

Use a clean rag to remove 1. loose dirt from around fuel cap and empty fuel tank.



NOTICE

Do not damage fuel line while removing fuel filter from tank or line.

- 2. Pull the fuel filter from the tank.
- 3. Do not remove the wire coil clamp to remove the fuel filter. Pinch the fuel filter with the fingers on one hand and the fuel line with the other hand. Pull and twist slightly to separate.

X7502342003



- 4. Install the new filter with the reverse action.
- Note: Federal EPA regulations require all model year 2012 and later gasoline powered engines produced for sale in the United States to be equipped with a special low permeation fuel supply hose between the carburetor and fuel tank. When servicing model year 2012 and later equipment, only fuel supply hoses certified by EPA can be used to replace the original equipment supply hose. Fines up to \$37,500 may be enforced for using an un-certified replacement part.

Spark Plug

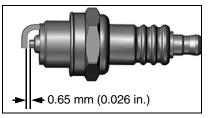
Level 2.

Parts Required: Tune Up Kit.



Use only NGK CMR7H spark plug otherwise severe engine damage may occur.

- 1. Remove spark plug and check for fouling, worn and rounded center electrode.
- 2. Clean the plug or replace with a new one. DO NOT sand blast to clean. Remaining sand will damage engine.



- 3. Adjust spark plug gap by bending outer electrode.
- 4. Tighten spark plug to 102-153 kgf•cm (89-133 in•lbf).

Cooling System

Level 2.



NOTICE

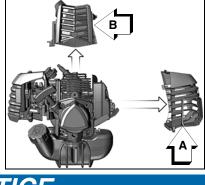
To maintain proper engine operating temperatures, cooling air must pass freely through the cylinder fin area. This flow of air carries combustion heat away from the engine.

Overheating and engine seizure can occur when:

- Air intakes are blocked, preventing cooling air from reaching the cylinder.
- Dust and grass build up on the outside of the cylinder. This build up insulates the engine and prevents the heat from leaving.

Removal of cooling passage blockages or cleaning of cooling fins is considered "Normal Maintenance". Any failure attributed to lack of maintenance is not covered by the warranty.

- 1. Remove spark plug lead.
- 2. Remove muffler cover (A).
- 3. Remove engine cover (B).





DO NOT use a metal scraper to remove dirt from the cylinder fins.



MAINTENANCE

- 4. Use brush to remove dirt from the cylinder fins.
- 5. Remove grass and leaves from the grid (C) between the recoil starter and fuel tank.
- Assemble components in 6. reverse order.

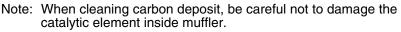
Exhaust System

Spark Arrestor Screen

Level 2.

Parts Required: Spark Arrestor Screen, Gasket

- 1. Remove spark plug lead.
- 2. Remove muffler cover (A).
- 3. Place piston at Top Dead Center (TDC) to prevent carbon or dirt from entering cylinder.
- Remove spark arrestor screen 4. cover (B), gasket (C), and screen (D), from muffler body.
- Clean carbon deposits from 5. muffler components.

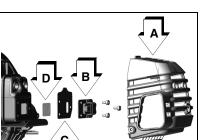


- 6. Replace screen if it is cracked, plugged, or has holes burned through.
- 7. Assemble components in reverse order.

Exhaust Port Cleaning

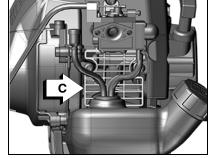
Level 2.

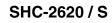
Parts Required: Heat Shield (as needed)



X1502342003 © 07/19 ECHO Incorporated

X7502342003

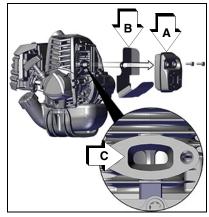




SHC-2620 / S

MAINTENANCE

- 1. Remove spark plug lead from spark plug, and remove muffler cover.
- 2. Place piston at top dead center. Remove muffler (A) and heat shield (B).
- Use a wood or plastic scraping tool to clean deposits from cylinder exhaust port (C).



NOTICE

Never use a metal tool to scrape carbon from the exhaust port. Do not scratch the cylinder or piston when cleaning the exhaust port. Do not allow carbon particles to enter the cylinder.

- 4. Inspect heat shield, and replace if damaged.
- 5. Install heat shield and muffler.
- Tighten muffler mounting bolts (or nuts) to 90-110 kgf•cm (80-95 in•lbf).
- 7. Install muffler cover and attach spark plug lead.
- 8. Start engine, and warm to operating temperature.
- 9. Stop engine, and re-tighten mounting bolts (or nuts) to specifications.

Carburetor Adjustment

Level 2.

WARNING

When carburetor adjustment is completed, the cutting attachment should not move at idle, otherwise serious personal injury may result.

Engine Break-In

New engines must be operated a minimum duration of two tanks of fuel break-in before carburetor adjustments can be made. During the break-in period your engine performance will increase and exhaust emissions will stabilize. Idle speed can be adjusted as required.

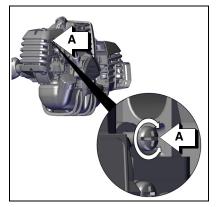
High Altitude Operation

This engine has been factory adjusted to maintain satisfactory starting and durability performance up to 330 m (1100 ft.) above sea level (ASL) (96.0 kPa). To maintain proper engine operation above 330 m (1100 ft.) ASL the carburetor <u>may</u> need to be adjusted by an authorized service dealer.

NOTICE

If the engine is adjusted for operation above 330 m (1100 ft.) ASL, the carburetor must be re-adjusted when operating the engine below 330 m (1100 ft.) ASL, otherwise severe engine damage may result.

- Note: Every unit is run at the factory and the carburetor is set in compliance with emission regulations. Carburetor adjustments, other than idle speed, must be performed by an authorized dealer.
- Check idle speed and reset if necessary. If a tachometer is available, idle speed screw (A) should be set to the specifications found on "Specifications" page of this manual. Turn idle screw (A) clockwise to increase idle speed; counterclockwise to decrease idle speed.



Lubrication

Blades

Level 1.

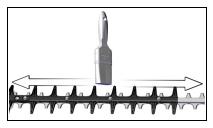
Parts Required:

20W Engine Oil (blade lubrication), 50-50 mixture of kerosene and 20W oil (blade cleaning).



Hedge Trimmer blades are very sharp. Touching them may lead to severe personal injury. Avoid touching blades whenever possible, and always wear gloves to protect hands.

- 1. Brush loose debris from blade and coat both sides of blade with the 50-50 cleaning mixture.
- Allow cleaning mixture to soften 2. the remaining gummy residue then wipe it from the blade.
- Apply clean oil to the entire 3. length of the blade. Be certain the blade bolts are lubricated.



4. Wipe excess oil from the blade before putting the unit back in service.

Gear Case

Level 1.

Parts Required: A grease gun with lithium based grease.

- Clean dirt from the grease 1. fitting (A).
- Carefully pump grease into 2. fitting (A). DO NOT force grease. Too much pressure will force grease past seals and cause damage. Apply 1 - 2 pumps of grease every 15 - 25 hours of operation.
- З. Wipe excess grease from around grease fitting.

Drive Shaft Assembly

Level 1.

SHC HCA

Parts Required: Lithium based grease.



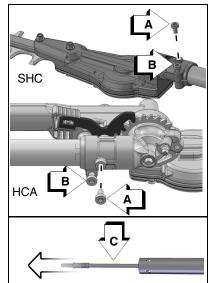
Hedge Trimmer blades are very sharp. Touching them may lead to severe personal injury. Avoid touching blades whenever possible, and always wear gloves to protect hands.

X7502342003



MAINTENANCE

 Remove gear housing locating screw (A) and loosen clamping screw (B). Remove the gear housing assembly from the drive shaft housing.



- 2. Pull the drive shaft (C) from the housing, wipe clean, then apply 15 ml (0.5 oz.) of grease.
- Slide the drive shaft back in the drive housing being careful not to get dirt on the flex shaft.
- 4. Install the gear housing assembly.

Blades



Hedge trimmer blades are very sharp, touching them may lead to severe personal injury. Use long hex wrenches and sockets with extensions when tightening blade screws and blade lock nuts to keep hands at a safe distance from sharp blades.

NOTICE

Blades should only be removed and reinstalled by an authorized servicing dealer, otherwise premature wear or internal damage may occur.

Sharpening

Level 2.



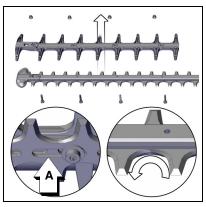
If a power grinder is used DO NOT allow blade to over heat.



SHC-2620 / S

MAINTENANCE

- 1. Move stop switch to STOP position.
- 2. Disconnect spark plug wire.
- 3. Remove blade guard.
- Slide blades to allow file clearance using slots (A) on bottom of blade. Do not pry against cutting edges.
- 5. File each edge carefully. Follow the original shape of the blade.
- 6. Install blade guard.



NOTICE

Use new lock nuts each time blade guard is installed. See dealer for correct nuts.

- 7. Lubricate blades (see "Lubrication").
- 8. Connect spark plug wire.

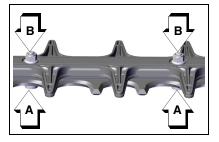
Adjustment

Level 2.



Locking ability of hedge trimmer blade lock nuts will diminish each time they are removed. Replace if turning resistance is not felt when installing lock nuts.

- 1. Tighten blade screws securely.
- Hold blade screws (A) to prevent turning, and tighten lock nuts (B).





TROUBLESHOOTING

	ENGINE PROBLEM TROUBLESHOOTING CHART							
Problem	Check	Status	Cause	Remedy				
	Fuel at carburetor	No fuel at carburetor	Fuel strainer or fuel line obstructed	Clean or replace See your dealer				
		No fuel at cylinder	Carburetor	See your dealer				
				OPEN choke				
Engine starts hard	Fuel at cylinder	Muffler wet with fuel	Fuel mixture too	Clean or replace air filter				
or		with tuer	non	Adjust carburetor				
Engine				See your dealer				
does not start	Spark at		Stop switch OFF	Turn switch to ON				
otart	end of plug wire		- Electrical problem - Interlock switch	See your dealer				
	Spark at	No spark	Incorrect gap - Covered with carbon - Fouled	Adjust to 0.65mm (0.026 in.)				
	plug		with fuel - Plug defective	Clean or replace plug				
	Air filter	Air filter dirty	Normal wear	Clean or replace				
	Fuel filter	Fuel filter dirty	Contaminants or residue in fuel	Replace filter or replace fuel				
Engine	Fuel vent	Fuel vent plugged	Contaminated fuel	Clean or replace				
runs, but dies	Spark plug	Plug dirty or worn	Normal wear	Clean and adjust or replace				
or Engine	Carburetor	Improper adjustment	Vibration	Adjust				
does not accelerate properly	Cooling system	Cooling system dirty or plugged	Extended operation in dirty or dusty locations	Clean				
	Spark arrestor screen	Spark arrestor screen plugged	Normal wear	Replace				

X7502342003

ENGINE PROBLEM TROUBLESHOOTING CHART							
Problem	Check Status Cause Remedy						
Engine does not crank	N	//A	Internal engine problem	See your dealer			

A DANGER

Fuel vapors are extremely flammable and may cause fire and/or explosion. Never test for ignition spark by grounding spark plug near cylinder plug hole, otherwise serious personal injury may result.

STORAGE

WARNING

The muffler and surrounding cover become hot during operation. Always keep exhaust area clear of flammable debris during transportation or when storing, otherwise serious property damage or personal injury may result.

Hedge Trimmer blades are very sharp. Touching them may lead to severe personal injury. Avoid touching blades whenever possible, and always wear gloves to protect hands.

DANGER

Do not store in enclosure where fuel fumes may accumulate or reach an open flame or spark, otherwise serious personal injury may result.

NOTICE

Always store and transport hedge trimmers in a stable, horizontal position. Support gear case and cutting blades to prevent excessive flexing, which may cause damage to these components. Always install blade cover when transporting or storing unit.

Long Term Storage (Over 30 Days)

Do not store your unit for a prolonged period of time (30 days or longer) without performing protective storage maintenance which includes the followina:

- 1. Store unit in a dry, dust free place, out of the reach of children.
- 2. Place the stop switch in the "STOP" position.
- 3. Remove accumulation of grease, oil, dirt and debris from exterior of unit.
- 4. Perform all periodic lubrication and services that are required.
- Apply clean oil to the entire length of the blade. Be certain the blade 5. bolts are lubricated.
- 6. Install blade cover on blades.
- 7. Tighten all the screws and nuts.
- 8 Drain fuel tank completely. Press purge bulb 6-7 times to remove remaining fuel from carburetor then drain the tank again. Close choke, start and run the engine until it stops due to lack of fuel.
- Allow engine to cool. Remove the spark plug lead from the spark plug. 9. Remove the spark plug. Pour 7 cc (0.25 oz.) of fresh, clean, two-stroke engine oil into the cylinder through the spark plug hole.
 - Place a clean cloth over the spark plug hole. a.
 - Pull the recoil starter handle 2-3 times to distribute the oil inside the b. engine.
 - Observe the piston location through the spark plug hole. Pull the c. recoil handle slowly until the piston reaches the top of its travel and leave it there.
- 10. Install the spark plug. Connect the spark plug lead to the spark plug.

MODEL	SHC-2620 SHC-2620S			
Length	2,243 mm (88.3 in.)	2,027 mm (79.8 in)		
Width	273 mm (10.7 in.)			
Height	260 mm (10.2 in.)			
Weight (dry)	5.9 kg (13.0 lb.) 5.7 kg (12.7 lb)			
Engine Type	Air cooled, two-stroke, single cylinder gasoline engine			
Bore	34.0 mm (1.34 in.)			
Stroke	28.0 mm (1.10 in.)			

SPECIFICATIONS

X7502342003

///EEH/0 © 07/19 ECHO Incorporated

SPECIFICATIONS

MODEL	SHC-2620	SHC-2620S		
Displacement	25.4 cc (1.55 in. ³)			
Exhaust	Spark arrestor muffler or spark arrestor muffler with catalyst			
Carburetor	Diaphragm w	/purge pump		
Ignition System	Flywheel magneto, capac	itor discharge ignition type		
Spark Plug	NGK CMR7H - Gap	0.65 mm (0.026 in.)		
Fuel	Mixed (Gasoline a	nd Two-stroke Oil)		
Fuel/Oil Ratio	50	:1		
Gasoline	alcohol, more than 10% ethyl	not use fuel containing methyl alcohol or 15% MTBE. Do not such as E-15 or E-85.		
Oil	ISO-L-EGD (ISO/CD 13738) and J.A.S.O. M345- <u>FD</u> , two- stroke, air-cooled engine oil.			
Fuel Tank Capacity	0.61 l (20.6 US fl. oz.)			
Starter System	Automatic R	Recoil Starter		
Clutch	Centrifu	gal Type		
Gear Case Ratio	4.60	D:1		
Cutter	Double Reciprocating	g Blade, Double Edge		
Length	557 mm	(21.9 in.)		
Pitch	35 mm ((1.38 in.)		
Height	21 mm ((0.83 in.)		
Maximum Diameter	Cut			
Soft Material	25.4 mm	n (1.0 in.)		
Woody Material	13 mm	(0.5 in.)		
Idle Speed	3,000	RPM		
Clutch Engagement Speed	4,300 RPM			
Wide Open Throttle Speed (W.O.T.)	11,500	D RPM		



PRODUCT REGISTRATION

Thank you for choosing ECHO Power Equipment

Please go to <u>http://www.echo-usa.com/Warranty/Register-Your-ECHO</u> to register your new product on-line. It's **FAST** and **EASY**! NOTE: your information will never be sold or misused by ECHO, Inc. Registering your purchase enables us to contact you in the unlikely event of a service update or product recall, and verifies your ownership for warranty consideration.

If you do not have access to the Internet, you can complete the form below and mail to:

ECHO Inc., Product Registration, PO Box 1139, Lake Zurich IL 60047.



RO : CARTE D'ENREGISTREMENT DU PRODUIT	 OPTION EN LIGNE : Enregister en ligne et épargner un timbre! Vous serez informé sur les nouveaux produits ECHO et les mises à jour de produit ainsi que les offres speciales. Simplement visitez les www.acho-usa.com 	Confidential: Information provided will not be shared or sold	Primary use of tool: ⊟Professional □ Homeowner □ Rental Equip. Uso primario de la herramienta: □Professional □ Dueño de casa □ Alquiler Usage principal: □ Professionnel □ Residential □ Location X oux unist in creoive periodis. ECHO moduct information and snecial offers	by e-mail? □Yes □No 2Desea usted recibir información periódica y ofertas especiales por correo elec- tronico sobre el producto ECHO? □Yes □No Stanlarias-vunts receivario refindinament de l'information sur les modulis	ECHO et les offres spéciales par courrier électronique ? ☐ Oui ☐ Non Did you visit the ECHO website before purchasing your product? □ Yes ☐ No	Visio usted la pagina web ECHO antes de comprar su producto? □ Si □ No □ Cii □ Noitié le site d'ECHO avant de procurer votre produit?	What factor(s) most influenced your purchase?	 influenció más en su comp to Drecio Experiencia Anterior Marca 	cteurs) vous a influencé le p □ Prix □ Expérience	Marque Cake Zurich, IL 60047
WERMO PRODUCT REGISTRATION CARD : TARJETA DE REGISTRO : CARTE D'ENREGISTREMENT DU PRODUIT	ONLINE OPTION: Register online and save a stamp! You will be alerted of product updates and/or be seth new ECHIO product information and special officers. Simply go to: www.echo-usa.com	Please Print : Por Favor Enscriba Con Letra De Molde : En Lettre Carré S.V.P.	Purchaser's Name : Nombre del Comprador : Nom de l'acheteur Usage primario de la h Usage primario de la h Do vou wish to revei		State : Estado : Zip Code : Código Postal : Code Postal ECHO et les o Province	E-Mail Address : Dirección De Correo Electrónico : Courrier Électronique	Phone Number: Número De Teléfono : Téléphone Date of Purchase : Fecha de la Compra : What factor(s) mc Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Campa de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de la Compra : Defromance Date de l'achat Erecha de l'Achat Erech	Where Purchased : Nombre del Almacón donde fue Comprado : Lieu d'achat ¿Qué factorfeas) D'Eunoionamiento Confabilidad	Model Number: Numero del Modelo:No. de modéle Serial Number : Numero de Serie : No. de série Quel facteur (fa Performance	Registering yur purchase entables us to contact you in the untiledy event of a service update or product recail and verifiers you a more intervention of loss. Effective and event of asservice update or product recail and verifiers you and the untiledy event of the more all service update or product recail and verifiers you and the more all service and even of the more all service on the more all service update or product recail and verifiers you and the more all service and the more all serv
MECHI	ONLINE OPTION: Registe be alerted of product up product information a www	Please Print : Por Favor En	Purchaser's Name : Nombr	Address : Dirección : Adresse	City : Ciudad : Ville	E-Mail Address : Direcció	Phone Number : Número L	Where Purchased : Nombre	Model Number : Numero de	Registering your purchase enables ownership in the empo de servic como el aviso de tiempo de servic L'enregisterment de votre achat no d'entretien ou de rappel du produit

x /502342003

43

T95515001001-T95515999999 U28515001001-U28515999999



400 Oakwood Road Lake Zurich, IL 60047 www.echo-usa.com