

Genesis

GES40

Electric Metal Shear

Cisalle à métaux électrique

Cizalla eléctrica para metales

Operator's Manual

Manuel d'utilisation

Manual del Operario



TOLL FREE

HELP LINE:

888-552-8665

WEBSITE:

www.genesispowertools.com

SPECIFICATIONS

- Model: ----- GES40
- Rated Power: ----- 120V~/ 60Hz, 4.0 Amp
- Load Speed: ----- 0-2500 SPM
- Cutting Capacity (Aluminum): ----- 14 Gauge
- Cutting Capacity (Steel): ----- 18 Gauge
- Cutting Capacity (Stainless Steel): ----- 20 Gauge
- Minimum Cutting Radius: ----- 5-1/2"
- Net Weight: ----- 4.9 lbs

Includes: Hex key

⚠ WARNING: To reduce the risk of injury, user must read and understand this operator's manual before operating this tool. Save this Manual for future reference.

Toll-Free Help Line: 1-888-552-8665



⚠ WARNING: The Operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection which is marked to comply with ANSI Z87.1.



Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.

GENERAL SAFETY RULES

⚠ WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

⚠ WARNING: Read and understand all warnings, cautions and operating instructions before using this equipment. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA SAFETY

- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres,** such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet.** Never modify the plug in any way. Do not use any adaptor plugs in any earthed (grounded) power tools. Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged cords increase the risk of electric shock.
- **When operating a power tool outside, use an extension cord suitable for outdoor use.** These cords are rated for outdoor use and reduce the risk of electric shock.
- **Do not use AC only rated tools with a DC power supply.** While the tool may appear to work. The electrical components of the AC rated tool are likely to fail and rate a hazard to the operator.

PERSONAL SAFETY

- **Stay alert,** watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- **Use safety equipment.** Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions will reduce personal injuries.
- **Dress properly.** Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts. Air vents may cover moving parts and should be avoided.
- **Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Carrying power tool with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- **Remove any adjusting keys or wrenches before turning the power tool on.** A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
- **Do not overreach.** Maintain proper footing and balance at all times. Loss of balance can cause an injury in an unexpected situation.
- **If devices are provided for connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.
- **Do not use a ladder or unstable support.** Stable footing on a solid surface enables better control of the tool in unexpected situations.
- **Keep tool handles dry, clean and free from oil and grease.** Slippery handles cannot safely control the tool.

TOOL USE AND CARE

- **Secure the workpiece.** Use clamp or other practical way to hold the workpiece to a stable platform. Holding the workpiece by hand or against your body is unstable and may lead to loss of control.

- **Do not force the power tool.** The tool will perform the job better and safer at the feed rate for which it is designed. Forcing the tool could possibly damage the tool and may result in personal injury.
- **Use the correct power tool for the job.** Don't force the tool or attachment to do a job for which it is not designed.
- **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired or replaced by an authorized service center.
- **Turn power tool off, and disconnect the plug** from the power source and/or battery pack from the power tool before making any adjustments, changing the accessories, or storing the tools. Such preventive safety measures reduce the risk of an accidental start up which may cause personal injury.
- **Store idle tool out of reach of children and other inexperienced persons.** It is dangerous in the hand of untrained users.
- **Maintain power tools with care.** Check for proper alignment and binding of moving parts, component breaks, and any other conditions that may affect the tool's operation. A guard or any other part that is damaged must be properly repaired or replaced by an authorized service center to avoid risk of personal injury.
- **Use recommended accessories.** Using accessories and attachments not recommended by the manufacturer or intended for use on this type tool may cause damage to the tool or result in personal injury to the user. Consult the operator's manual for recommended accessories.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Feed the workpiece in the correct direction and speed.** Feed the workpiece into a blade, cutter, or abrasive surface against the direction of the cutting tool's direction of rotation only. Incorrectly feeding the workpiece in the same direction may cause the workpiece to be thrown out at high speed.
- **Never leave the tool running unattended, turn the power off.** Do not leave the tool until it comes to a complete stop.
- **Never start the power tool when any rotating component is in contact with the workpiece.**

SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- **Service your power tool periodically.** When cleaning a tool, be careful not to disassemble any portion of the tool since internal wires may be misplaced or pinched.

SAVE THESE INSTRUCTIONS

EXTENSION CORDS

Grounded tools require a three wire extension cord. Double insulated tools can use either a two or three wire extension cord. As the distance from the power supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. Refer to the table shown below to determine the required minimum wire size.

The smaller the gauge number of the wire, the greater the capacity of the cord. For example: a 14-gauge cord can carry a higher current than a 16-gauge cord. When using more than one extension cord to make up the total length, be sure each cord contains at least the minimum wire size required. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum wire size.

Guidelines for Using Extension Cords

- If you are using an extension cord outdoors, be sure it is marked with the suffix "W-A" ("W" in Canada) to indicate that it is acceptable for outdoor use.

- Be sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.
- Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

Recommended Minimum Wire Gauge for Extension Cords (120 Volt)						
Nameplate Amperes (At Full Load)	Extension Cord Length					
	25 Feet	50 Feet	75 Feet	100 Feet	150 Feet	200 Feet
0–2.0	18	18	18	18	16	16
2.1–3.4	18	18	18	16	14	14
3.5–5.0	18	18	16	14	12	12
5.1–7.0	18	16	14	12	12	10
7.1–12.0	18	14	12	10	8	8
12.1–16.0	14	12	10	10	8	6
16.1–20.0	12	10	8	8	6	6

SPECIFIC SAFETY RULES FOR ELECTRIC METAL SHEAR

⚠ WARNING: DO NOT LET COMFORT OR FAMILIARITY WITH PRODUCT (GAINED FROM REPEATED USE) REPLACE STRICT ADHERENCE TO PRODUCT SAFETY RULES. If you use this tool unsafe or incorrectly, you can suffer serious personal injury!












- **Hold the tool by insulated gripping surfaces** when performing an operation where the tool may contact hidden wiring. Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
- **Wear eye and hearing protection.** Always use safety glasses with side shields. Unless otherwise specified, everyday glasses provide only limited impact resistance, they are not safety glasses. Use only certified safety equipment; eye protection equipment should comply with ANSI z87.1 standards. Protective hearing equipment should comply with ANSI s3.19 standards.
- **Always hold the tool firmly.** Do not leave the tool running unless hand held.
- **Always keep hands out of the path of tool.** Avoid awkward hand position where a sudden slip could your hand to move into the tool.
- **Check your work area for proper clearances before cutting.** This will avoid cutting into your workbench, the floor, etc.
- **Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor** and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud’s Disease should not use this tool. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
- **Do not use tool if switch does not turn it on or off.** Any tool which cannot be controlled by the switch is dangerous and must be repaired.
- **Wear cushioned protective gloves to minimize the vibration.** Excessive vibration may cause personal injury.
- **Use tools with the lowest vibration** when there is a choice.

⚠ WARNING: Read and understand all warnings, cautions and operating instructions before using this equipment. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

SYMBOLS

Some of the following symbols may appear on this product. Study these symbols and learn their meaning. Proper interpretation of these symbols will allow for more efficient and safer operation of this product.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
V	Volts	 or A.C.	Alternating current
A	Amperes	 or D.C.	Direct current
Hz	Hertz		Class II construction Double Insulated construction
W	Watts		Warning symbol. Precautions that involve your safety
n_0	No Load Speed		To reduce the risk of injury, read Operator's Manual before using this product.
kg	Kilograms		Wear safety glasses, ear protection and respiratory protection
H	Hours		Do not dispose with household waste
RPM	Revolutions per minute		Do not touch the running blade
SPM	Strokes per minute		Do not use in wet conditions
OPM	Oscillations per minute		Do not put battery in fire
.../min	Per minute		Battery cannot exceed 59° C



This symbol designates that this product is listed with U.S. and Canada requirements by ETL testing Laboratories, Inc.

KNOWING YOUR ELECTRIC METAL SHEAR

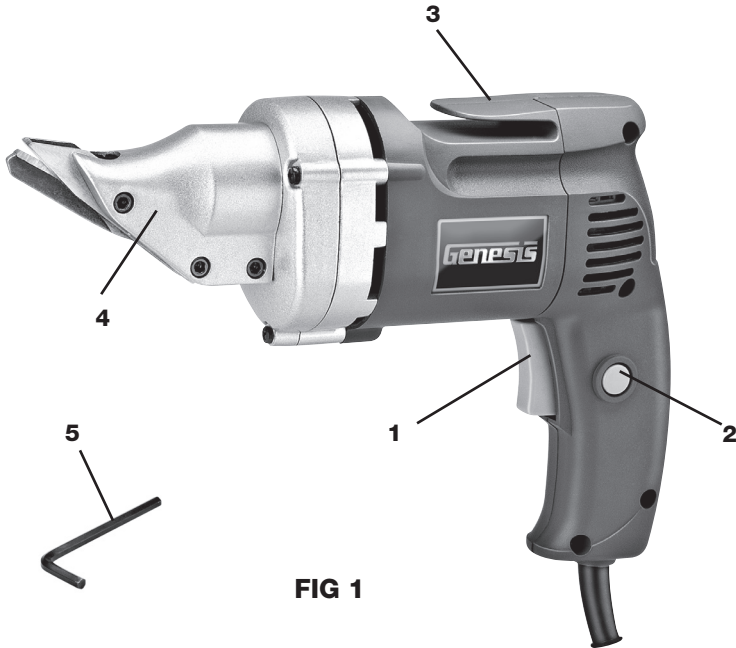


FIG 1

- 1. Trigger Switch
- 2. Lock-On Button
- 3. Belt Clip
- 4. Cutter Head
- 5. Hex Key

UNPACKING AND CONTENTS

IMPORTANT: Due to modern mass production techniques, it is unlikely the tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

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ASSEMBLY AND ADJUSTMENTS

⚠ WARNING: Always be sure that the tool is switched off and unplugged before adjusting, adding accessories, or checking a function on the tool.

ADJUSTING THE SWIVELING CUTTER HEAD (FIG 2)

1. Put on heavy-duty work gloves and ANSI-approved safety goggles to avoid injury.
2. Loosen the three hex head bolts using the Hex key provided with this tool. See FIG 2.
3. Firmly grip the cutter head and twist it to the desired position. Tighten the three Hex bolts to keep the cutter head in that position.

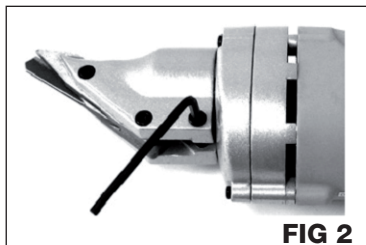


FIG 2

OPERATION

SWITCH ACTIONS

⚠ WARNING: Before plugging in the tool, always check to see that the tool is switched off. Accidentally starting the tool could cause personal injury.

NOTE: Always check that the power supply corresponds to the voltage on the ratings plate.

- Squeeze the Trigger Switch (1-FIG 1) to turn on the shear. Release the Trigger to turn off the shear.
- For continuous operation, press the Lock-On button (2-FIG 1) on the side of the handle. The Lock-On button will deactivate once the Trigger is released.
- If shear becomes jammed during cutting, release the Trigger and unplug the tool immediately.
- To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool indoors out of children's reach.

APPLICATION

⚠ WARNING: Always clamp the workpiece firmly into a vise or to a stable work surface. Never hold the workpiece with one hand and the tool with the other hand. Severe injury may result.

NOTE: Always check that the power supply corresponds to the voltage on the ratings plate.

1. Secure the workpiece.
2. Place the side blades on the top side of edge of the workpiece where you want to begin your cut.
3. Pull the Trigger Switch and guide into work.
 - > Hold the shear so the main body is parallel to the workpiece.
 - > Blades are to be at right angles to work.
 - > Engage the blades at the edge of the material.
 - > Apply sufficient forward pressure to begin cutting. Too much tilt in operation will stop the cut.
 - > Do not force.
4. To make an inside cut (a cut completely inside the perimeter of the workpiece), drill a starting hole and follow instruction above.
5. If there is a problem in the operation, stop using the tool. Check for the following: proper lubrication, thickness of the material and sharpness of the blades.

MAINTENANCE

BLADE MAINTENANCE (FIG 3)

1. Unplug the tool.
2. Using the Hex key remove the three head bolts (5).
3. The left blade (3), right blade (2), center blade (1) and the two bushings (6) will be loose.
4. Clean, replace or sharpen the blades as required. Replace blades as a set only.
5. Reassemble by repositioning the blades and bushings as illustrated. Replace the head bolts and tighten them securely.
6. Test the product to be sure that it is working properly.
7. The left and right blades are slotted. They can be adjusted to change the direction of the curl of waste material. To adjust:
 - a) Unplug the tool.
 - b) Loosen all three head bolts.
 - c) Make a slight adjustment to the left or right blade as needed.
 - d) Tighten the head bolts.
 - e) Test the direction of the waste curl and repeat the steps above as needed.

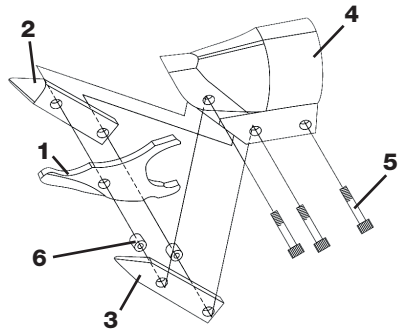


FIG 3

NOTE: If the head bolts are over-tightened, then the center blade will not move freely enough, causing premature wear, or possibly preventing the tool from operating. If the head bolts are not tight enough, the tool will not make a smooth cut in the material.

CLEANING

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

⚠ WARNING: Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommend using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

LUBRICATION

Tool should be lubricated every 60 days to 6 months as needed.

To lubricate, remove shear head from power unit. Put a few drops of heavy oil on bearing assembly. Also grease or oil the outside surface of the bearing ring.

TWO-YEAR WARRANTY

This product is warranted free from defects in material and workmanship for 2 years after date of purchase. This limited warranty does not cover normal wear and tear or damage from neglect or accident. The original purchaser is covered by this warranty and it is not transferable. Prior to returning your tool to store location of purchase, please call our Toll-Free Help Line for possible solutions.

THIS PRODUCT IS NOT WARRANTED IF USED FOR INDUSTRIAL OR COMMERCIAL PURPOSES. ACCESSORIES INCLUDED IN THIS KIT ARE NOT COVERED BY THE 2 YEAR WARRANTY.

TOLL-FREE HELP LINE

For questions about this or any other GENESIS™ Product, please call Toll-Free: **888-552-8665**.

Or visit our web site: **www.genesispowertools.com**

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