

# Instruction Manual

# **MAKO** Tools

## ***BUFFER / POLISHER***

Model SROM 1177



*Our tool range has you covered for DIY. Whatever the job, make light work of it with MAKO tools.*

**PLEASE NOTE: THIS TOOL IS NOT FOR USE WITH "CUTTING" COMPOUNDS.  
IT IS FOR FINISH POLISHING AND BUFFING ONLY.**

**PRODUCT FEATURES:**



1. Hand Grip
2. ON/OFF Switch
3. Front Handle
4. Foam Pad
5. Cloth Bonnet

**Dear Valued Customer,**

Thank you for purchasing this Mako Power Tool.

We are dedicated to providing quality Mako Power Tools at competitive prices. Whether you are serious about DIY or just a casual user, our range of power tools are perfect for any job.

**Mako 2 Year DIY Warranty:**

All Mako Power Tools are backed by a comprehensive 2 year DIY warranty. If for any reason you experience a fault with this power tool, please contact the retailer that it was purchased from, present the receipt and warranty card (at the back of the operating manual), for a full refund or replacement. The warranty is void if damage is not attributable to normal wear and tear, if the tool is used commercially, the motor is overloaded or is tampered with, is damaged by accident or if it is bought second hand. Continued use after partial failure, or the use with the incorrect accessories will void the warranty.

This warranty excludes all Mako accessories, which are covered by their own appropriate warranties.

**MAKO TOOLS ARE FOR DIY USE ONLY. THEY ARE NOT DESIGNED OR APPROVED FOR INDUSTRIAL OR COMMERCIAL USE.**

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## Description of symbols:



Please read all of the safety and operating instructions carefully before using this buffer polisher. Please pay particular attention to all sections of this User Guide that carry warning symbols and notices.

|       |  |
|-------|--|
|       | Observe caution and safety notes!  |
|       | Caution- electric shock! Danger to life!   |
| $n_0$ | No-load speed.   |
| V~    | AC Voltage   |
|       | Wear hearing protection, dust protection mask, protective glasses and protective gloves. |
|       | Keep children away from electrical power tools!  |
|       | Only for use in dry, indoor spaces.  |
|       | Check that the device, mains lead and plug are in good condition!                        |
|       | Safety class II  |
|       | Dispose of packaging and appliance in an environmentally friendly way!                   |

## GENERAL POWER TOOL SAFETY WARNINGS



**WARNING** Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

**Save all warnings and instructions for future reference.**

*The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.*

### 1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **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.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

### 2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **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 earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **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 or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

### 3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*

#### 4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

#### 5) Service

- a) **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.*

#### **SAFETY WARNINGS FOR POLISHING OPERATIONS:**

- a) **This power tool is intended to function as a polisher. Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*
- b) **Operations such as grinding, sanding, wire brushing or cutting-off are not recommended to be performed with this power tool.** *Operations for which the power tool was not designed may create a hazard and cause personal injury.*
- c) **Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** *Just because the accessory can be attached to your power tool, it does not assure safe operation.*
- d) **The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** *Accessories running faster than their rated speed can break and fly apart.*
- e) **The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** *Incorrectly sized accessories cannot be adequately guarded or controlled.*
- f) **The arbour size of wheels, flanges, backing pads or any other accessory must properly fit the spindle of the power tool.** *Accessories with arbour holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.*
- g) **Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** *Damaged accessories will normally break apart during this test time.*
- h) **Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments.** *The eye protection must be capable of stopping flying debris generated by*

various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

- i) **Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- j) **Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and shock the operator. NOTE The above warning may be omitted if polishing is the only recommended operation
- k) **Position the cord clear of the spinning accessory.** If you lose control, the cord maybe cut or snagged and your hand or arm may be pulled into the spinning accessory.
- l) **Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory may grab the surface and pull the power tool out of your control.
- m) **Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
- n) **Regularly clean the power tool's air vents.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
- o) **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- p) **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.
- q) **Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely. Tuck away or trim any loose attachment strings.** Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.

#### **MAKO BUFFER POLISHER SAFETY INSTRUCTIONS:**

- a) **Ensure the vehicle you are working on is turned off.**
- b) **Give the Buffer polisher a test run. If it makes an unfamiliar noise or vibrates irregularly, turn it off.** Unplug it and have the problem solved by a qualified technician.
- c) **Make sure to the Buffer Polisher is turned off and unplugged when doing any maintenance.** The Buffer Polisher should always be turned off and unplugged when not in use.
- d) **Avoid accidental starting. Keep fingers away from the ON/OFF switch when plugging your Buffer Polisher into the power outlet.** Disconnect the Buffer Polisher when not in using.
- e) **Keep the tool dry and clean. Also free from oil and grease.** The wet and dirty tool will cause electric shock.
- f) **It is important to start and stop the Buffer Polisher while holding it against the working surface.**
- g) **Do not force the tool. Grip the Buffer Polisher firmly but without downward pressure.** Pressing too hard will may overload the Buffer Polisher, and affect the quality of work.
- h) **Do not use abrasive compounds.** Only use a recommended polishing compound and if unsure of its suitability contact the manufacturer.
- i) **Keep children at a safe distance from the work area.**
- j) **Maintain the Buffer Polisher with care, ensure it is kept clean.**

#### **MAKO BUFFER POLISHER OPERATING INSTRUCTIONS:**

**It is recommended that the tool always be supplied via a residual current device with a rated residual current of 30 mA or less.**

Never force the power tool or attachment to do the work of a larger industrial tool. It is designed to do the job better and more safely at the rate for which it was designed.

The following steps are for using the Mako Buffer Polisher for Polishing and Waxing a vehicle.

A good quality liquid wax is recommended because of its ease of application but a paste wax will also work with a little more effort. Hard paste wax, however should only be applied by hand, then removed using the Buffer Polisher.

Make sure that the Buffer Polisher is in the off position before plugging into the power outlet. Remember to always start and stop the Buffer Polisher while it is being held firmly on the work surface.

### Step 1: Surface Preparation

Thoroughly wash your car or surface to remove all dirt and oil. Pay special attention to areas that attract excessive layers of dirt such as the wheel arches and bumpers.

After washing, move the car or surface you are working on to a dry area out of direct sunlight and allow the surface to dry and cool.

### Step 2: Wax Application on the Pad

With the foam pad facing up, securely attach a clean Terry Cloth bonnet, making sure that it is centered on the foam pad.

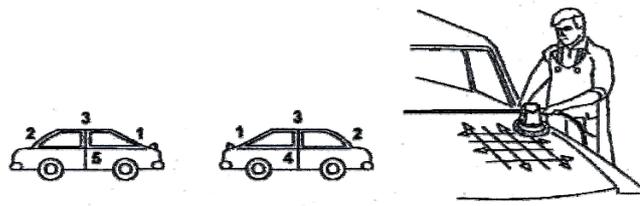
Apply wax directly and evenly to the bonnet, spreading a small amount of wax to the bonnet edge. *(Applying more wax than necessary adds no more protection to the surface and makes polishing more difficult.)*



### Step 3: Wax Application on the Surface

Place the electrical cord over your shoulder to keep it out of the way.

Turn the Buffer Polisher on, and begin applying the polishing compound to half of the vehicle. Cover any flat surfaces with broad, sweeping strokes in a criss-cross pattern. Apply the polishing compound on each side of the car, working from the front to the back. Add polishing compound as needed.



**Reminder:** Do not press down on the Mako Buffer Polisher. The polishing action and the weight of the polisher, not pressure, will do the best job.

If the Terry cloth bonnet continually comes off the pad, it may be because too much polishing compound has been applied.



### Step 4: Hand Waxing

Turn the Buffer Polisher off and unplug it before removing the Terry cloth bonnet. With the Terry cloth bonnet on your hand



apply the polishing compound to all hard to reach surfaces such as under the bumpers, around lights and door handles.

### Step 5: Polishing

With the foam pad facing up, securely attach the imitation Lamb's Wool cloth bonnet onto the Mako Buffer Polisher. Buff the polishing compound with the Polisher in the same way it was applied. If it is difficult to buff then you may have applied too much polishing compound.

Badly oxidized paint may require several applications of polishing compound. **DO NOT use abrasive "cutting" compounds.**

### Maintenance & Cleaning

- a) Polishing cloths can be machine-washed in cold water with a small amount of detergent on a low cycle. Polishing cloths can be put in a dryer at medium heat. However, hand washing and air drying is recommended for longer life.
- b) To prolong pad life and shape, store Mako Buffer Polisher with the pad face up.
- c) Remove the polishing cloth from the pad when the Polisher is not in use so pad can dry out.
- d) A common error, is applying too much polishing compound. The polishing cloth absorbs too much and they will not last long.
- e) If the body of the tool needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but not alcohol, petrol or other cleaning agents. Never use caustic agents to clean plastic parts.



**CAUTION** Water must never come into contact with this tool.

### Disposal



**Do not dispose of electrical appliances with your domestic waste!** The packaging comprises exclusively environmentally- friendly material. Dispose of it in your local recycling containers.

### TECHNICAL DATA

| BUFFER/POLISHER     | SROM1177              |
|---------------------|-----------------------|
| Voltage Rating      | 230-240V,50Hz         |
| Rated input power   | 90W                   |
| No-load speed $n_o$ | 3500min <sup>-1</sup> |
| Nett weight         | 2.25kg                |