

# SKIL®

**HEAT GUN**  
**8020 (VA1\*8020\*\*)**  
**8040 (VA1\*8040\*\*)**



**GB** ORIGINAL INSTRUCTIONS

7



[www.skil.com](http://www.skil.com)



1

**8020**

**2000**  
Watt

**0,8 kg**

**350 - 500**  
l/min

**50°C**  
**600°C**

**220**  
**240**  
V~  
50-60 Hz

**8040**

**2000**  
Watt

**0,8 kg**

**250 - 500**  
l/min

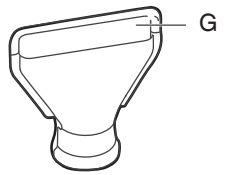
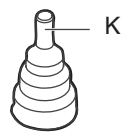
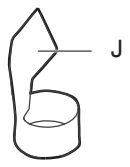
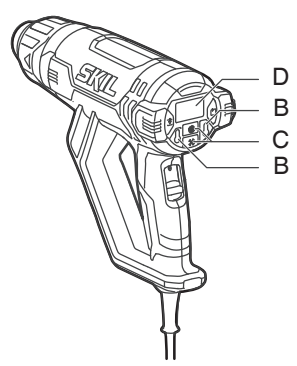
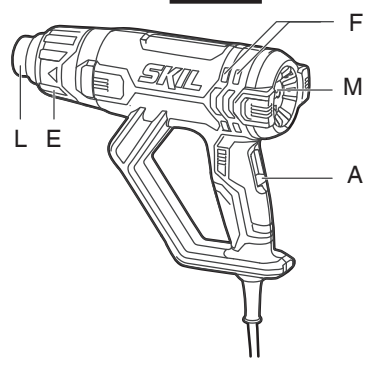
**50°C**  
**650°C**

**220**  
**240**  
V~  
50-60 Hz

2

**8020**

**8040**



3



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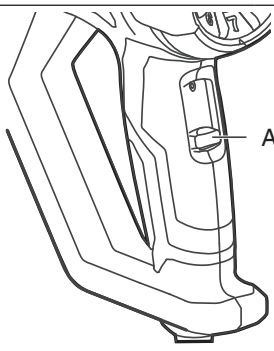
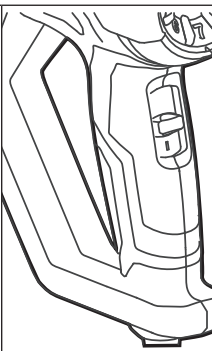
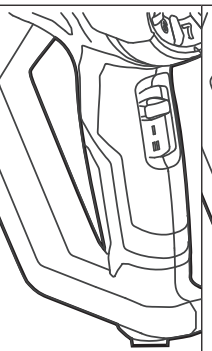
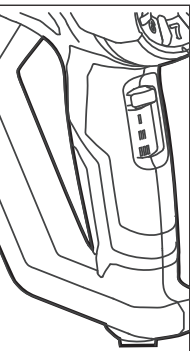
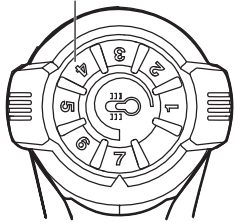


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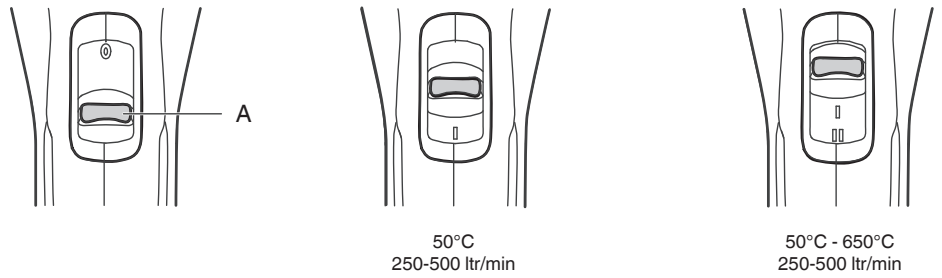


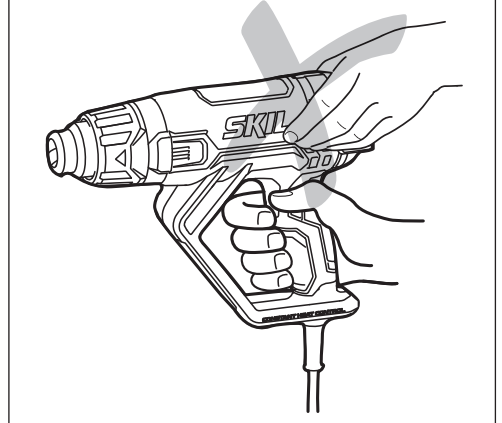
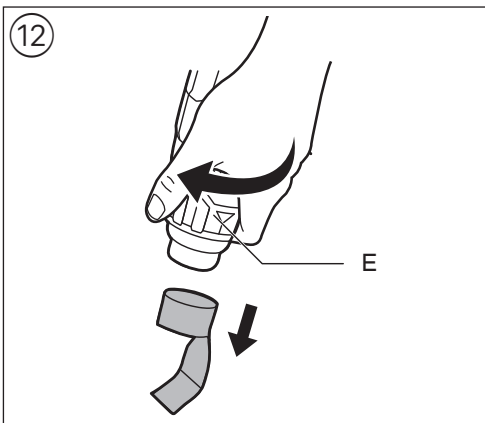
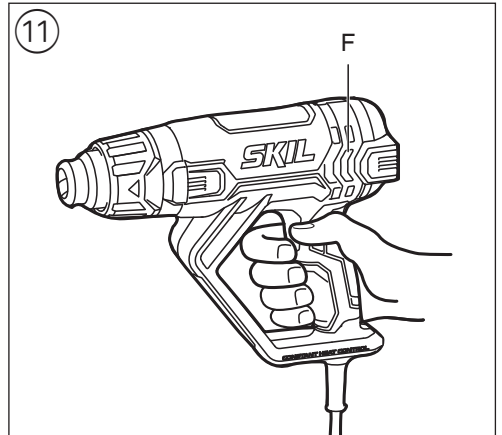
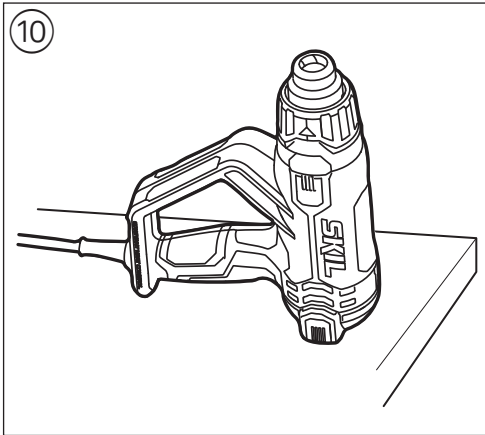
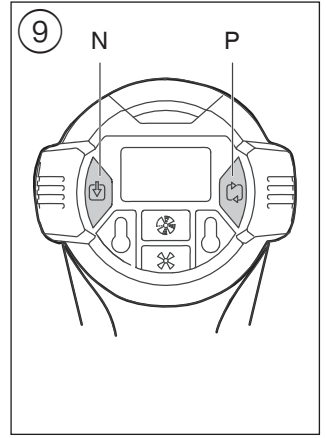
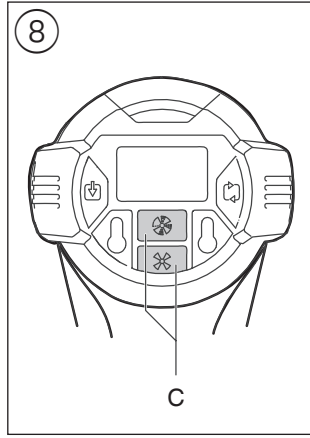
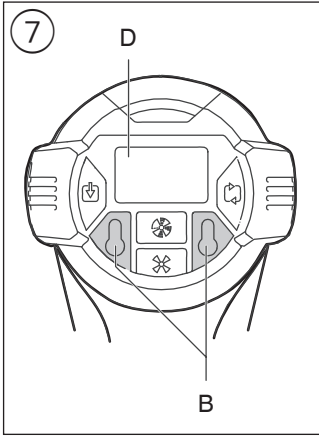
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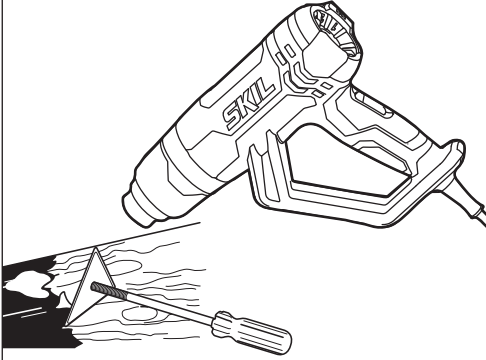
									
	I			II			III		
	350 ltr/min			350 ltr/min			500 ltr/min		
		1	50 °C	50 °C		115 °C			
2		110 °C		150 °C					
3		180 °C		250 °C					
4		250 °C		350 °C					
5		300 °C		450 °C					
6		380 °C		550 °C					
7		450 °C		600 °C					

**8040**

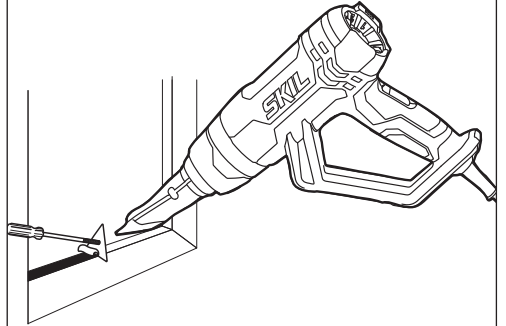




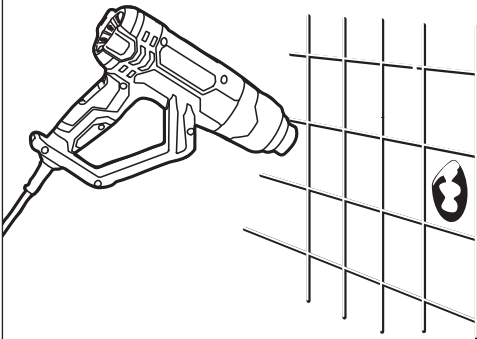
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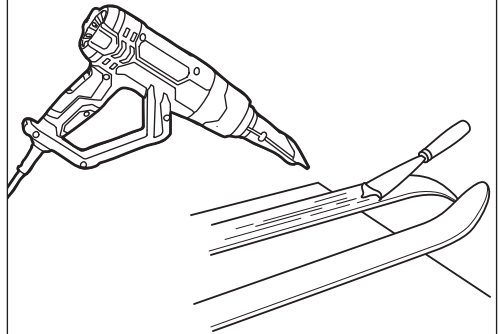
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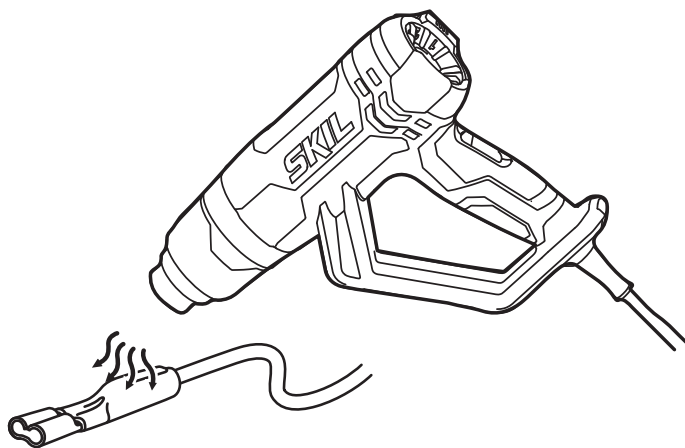
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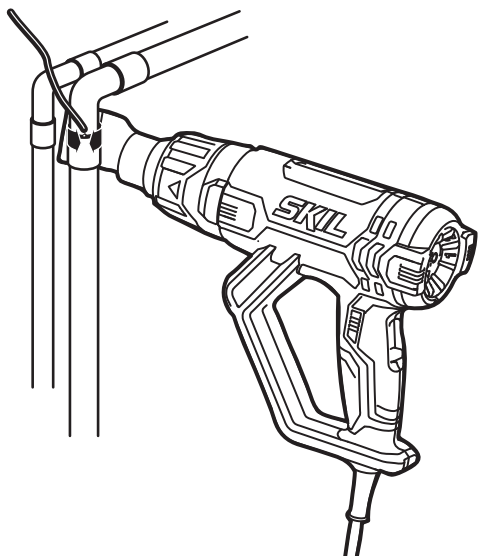
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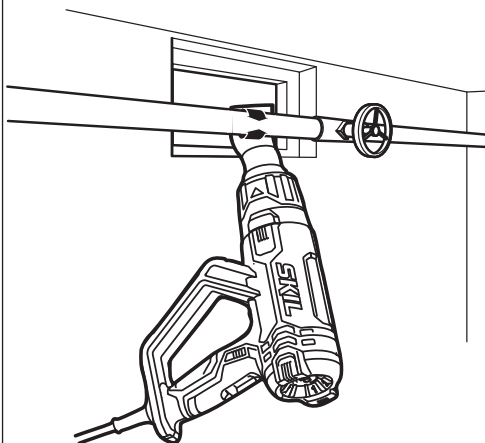
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ACCESSORIES



WWW.SKIL.COM

## Heat gun

8020/8040

## INTRODUCTION

- This tool is intended for the removal of paint, the forming and welding of plastic, and the warming of heat-shrinkable tubing; the tool is also suitable for soldering and tinning, loosening adhesive joints and defrosting water pipes
- This tool is not intended for professional use
- Read and save this instruction manual ③

## TECHNICAL DATA ①

## TOOL ELEMENTS ②

- A On/off switch
- B Buttons for setting temperature (8040)
- C Buttons for setting air flow (8040)
- D Display (LCD) (8040)
- E Nozzle release ring
- F Ventilation slots
- G Glass protection nozzle
- H Round nozzle
- J Reflector nozzle
- K Reduction nozzle
- L Air outlet/nozzle
- M Dial wheel (8020)
- N Button for memory storing (8040)
- P Button for memory selection (8040)

## SAFETY

## GENERAL

- **This tool can be used by children aged 8 and above and by persons who have physical, sensory or mental limitations or a lack of experience or knowledge if a person responsible for their safety supervises them or has instructed them in the safe operation of the tool and they understand the associated dangers** (otherwise, there is a danger of operating errors and injuries)
- **Supervise children** (this will ensure that children do not play with the tool)
- **Cleaning and user maintenance of the tool shall**

## not be made by children without supervision

## BEFORE USE:

- Check the functioning of the tool before each use and, in case of a defect, have it repaired immediately by a qualified person; never open the tool yourself
- Inspect tool cord and plug before each use and, if damaged, have them replaced by a qualified person
- Use completely unrolled and safe extension cords with a capacity of 16 Amps (U.K. 13 Amps)
- Never use the tool when the cord is damaged; it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Use the tool and its accessories in accordance with this instruction manual and in the manner intended for the tool; use of the tool for operations, different from those normally expected to be performed by the tool, could result in a hazardous situation
- Always check that the supply voltage is the same as the voltage indicated on the nameplate of the tool
- Be sure tool is switched off when plugging in

## DURING USE:

- Handle the tool with care; prevent fire and burns
  - do not touch the air outlet/nozzle and the heated object; they become extremely hot
  - do not hold the air outlet/nozzle too close to the object to be worked on
  - do not direct the hot air flow towards the same surface for too long
  - never look down the air outlet/nozzle
  - wear protective gloves and use safety glasses
  - never direct the hot air flow towards persons or animals
  - never use the tool for drying hair
  - do not leave the tool unattended
  - never use the tool in the proximity of inflammable gases or combustible materials (**risk of explosion**)
  - when working with plastic, paint, varnish and similar materials, inflammable and poisonous gases may be produced; inform yourself beforehand about the materials to be worked on
  - take into account, that heat may be transferred to combustible materials out of eyesight
  - to be on the safe side, have a bucket of water or a fire extinguisher handy, in case any material catches fire
- Prevent electrical shock
  - never poke anything down the air outlet/nozzle
  - avoid body contact with earthed surfaces (e.g. pipes, radiators, ranges, refrigerators)
  - ensure the tool does not get wet
  - do not use the tool in damp locations
  - when used outdoors, connect the tool via a fault current (FI) circuit breaker with a triggering current of 30 mA maximum, and only use an extension cord which is intended for outdoor use and equipped with a splashproof coupling-socket
- Handle the cord with care
  - always keep away the cord from the hot air flow and the air outlet/nozzle
  - keep the cord away from heat, oil and sharp edges
  - do not carry the tool by the cord, and do not yank the cord to disconnect it from the socket
  - do not suspend the tool by the cord
- Never use the tool in conjunction with chemical solvents
- Make sure work area is adequately ventilated

- Keep work area clean and well lit
- Stay alert; watch what you are doing, use common sense and do not operate the tool when you are tired
- Take a secure stance; do not overreach, especially on ladders and stages
- Ensure that the tool is switched off, before putting it aside
- In case of electrical or mechanical malfunction, immediately switch off the tool and disconnect the plug

#### AFTER USE:

- set the tool down on its rear in an upright position
- Switch off the tool and disconnect the plug
- Allow the tool to cool down for at least 30 minutes before storage
- Do not store/leave the tool outdoors
- Store the tool in a dry and locked-up place, out of reach of children

#### EXPLANATION OF SYMBOLS ON TOOL

- ③ Read the instruction manual before use
- ④ Double insulation (no earth wire required)
- ⑤ Do not dispose of the tool together with household waste material

## USE

- On/off switch with temperature settings ⑥
  - ! **check if switch A ② is in position "0" before plugging in**
  - switch on the tool by pushing switch A in desired position:
    - 8020**
    - I = 50°C, air flow 350 litres/minute
    - II = 450°C, air flow 350 litres/minute
    - III = 600°C, air flow 500 litres/minute
    - 8040**
    - I = 50°C + air flow 250-500 litres/minute
    - II = 50°C ... 650°C, air flow 250-500 litres/minute
  - when using it for the first time, some smoke may emit from the tool; this is normal and will soon cease
  - switch off the tool by pushing switch A in position "0"
- Temperature setting
  - ! **there is a tolerance on the indicated temperatures 50...90°C: max 90°C less than 300°C: ±20% more than 300°C: ±10%**
  - 8020**
  - use dial wheel M to select the desired temperature setting
  - use table ⑥ for reference
  - 8040 ⑦**
  - set desired target temperature in steps of 10°C by pressing buttons B briefly
  - pressing buttons B constantly increases/decreases the target temperature continuously until the buttons are released or the minimum/maximum temperature is reached
  - after the target temperature is set, display D shows flashing arrows until the desired temperature is reached (in position "II" only)
  - the target temperature will be stored in the memory of the tool, so that each time after switching on the tool heats up to the last selected target temperature
- Air flow setting ⑧ (8040)
  - set desired air flow in steps of 50 l/min by pressing buttons C briefly
  - display D shows the actual air flow setting in a bar graph

- Memory setting ⑨ (8040)
    - to select one of the four stored memory settings press button P
    - to store a temperature and air flow setting press button P to select a memory location, set the desired temperature and airflow, and press and hold button N to store the setting
  - General use
    - determine the right temperature by testing out on an inconspicuous part of the workpiece; start with a low temperature setting
    - the temperature drops as the distance between the air outlet/nozzle and the workpiece increases
    - the temperature required depends on the material to be worked on
  - Stationary use ⑩
    - set the tool down on its rear in an upright position
    - make sure the surface is clean and dustfree; polluted air damages the motor
    - make sure the air flow is directed away from you
    - secure the cord to prevent pulling down the tool
    - do not touch the air outlet/nozzle
    - make sure nothing drops into the air outlet/nozzle
    - carefully hold the tool with one hand while switching it off with the other hand, and then allow it to cool down
  - Holding and guiding the tool ⑪
    - hold the tool with one hand
    - keep ventilation slots F ② uncovered
  - Standard accessories ⑫
    - glass protection nozzle G (for deflecting air flow)
    - round nozzle H (for concentrating air flow)
    - reflector nozzle J (for reflecting air flow)
    - reduction nozzle K (for concentrating air flow)
- NOTES:**
- all application examples (**except removing paint next to glass**) can be performed without accessories; however, using the appropriate accessory simplifies the work and significantly improves the quality of the results
  - this tool can also be used in combination with commonly available accessories for heat guns
- Mounting/removing accessories
    - simply fit the accessory onto air outlet L ②
    - remove an accessory by pulling it off to the front after it has cooled down
    - ! **mount an accessory only when the air outlet is cold, when the switch is in position "0" and when the plug is disconnected**
    - use nozzle release ring E for easy removing hot nozzles ⑫
  - Constant heat control (overload protection)
    - Protects heating element from damage when tool is overloaded without having to stop it and/or let it cool down for a period of time
    - when the temperature gets too high, the heating element switches itself off, while the motor continues to run and produces cold air
    - when the temperature has dropped sufficiently (taking only a few seconds), the heating element will be switched on automatically
    - ! **when the tool is switched off after working at a high temperature setting, and switched on again after a short break, it may take a while before the heating element reaches the desired temperature**



## APPLICATION ADVICE

- Removing paint/lacquer 13
    - use a clean, sharp scraper
    - scrape firmly, when the paint softens
    - experiment to establish the length of time necessary to apply the heat for optimal results
    - scrape the softened paint immediately, or it will harden again
    - keep a 30° to 40° angle between the tool and the workpiece
    - remove paint and debris immediately from the scraper to prevent them from ignition
    - scrape with the grain of the wood, wherever possible
    - do not direct the hot air flow towards the same surface for too long
    - dispose of all paint debris safely
    - thoroughly clean the work area after completing the job
- ! be careful when removing layers of paint in old buildings; in the past the building may have been painted with paint containing lead, which is highly poisonous**

**! exposure to even low levels of lead can cause serious brain and nervous system damage; young and unborn children are particularly vulnerable**  
**! have lead-based paint removed by a professional without using a heat gun**

### OTHER APPLICATION EXAMPLE:

- ★ removing (synthetic) wall covering
  - Removing paint/lacquer next to glass 14
    - **always** use glass protection nozzle G when working next to glass
    - remove the paint with a hand scraper
- ! do not use the tool for removing paint on metal-framed windows; metal is heat-conducting which might lead to breaking of the glass**
- Removing stickers (use round nozzle H) 15
    - many adhesives become softer when heated, allowing adhesive bonds to be separated and superfluous adhesive to be removed
- ! heat sticker on the upper side**  
**! always take care not to overheat the underlying surface**

### OTHER APPLICATION EXAMPLES:

- ★ removing linoleum and vinyl carpeting
- ★ removing carpet tiles made of synthetic fibres
- ★ removing veneers/applying veneer strips
- ★ softening/melting tar, tin, bitumen, wax (use round nozzle H)
- ★ waxing (skis, furniture) (use glass protection nozzle G) 16
- ★ removing resin
- ★ loosening rusty/too tightly fastened metal screws, nuts and bolts
- ★ removing candle wax (**do not overheat the underlying surface**)
- ★ repairing broken candles/restoring bent candles to their original shape
- Shrink fitting 17
  - use reflector nozzle J or reduction nozzle K
  - select a shrink-fit tube with a diameter matching that of the workpiece
  - heat the shrink-fit tube evenly

### OTHER APPLICATION EXAMPLE:

- ★ shrink-wrapping
  - Soldering water pipes 18
    - This tool is most suitable for working with soft solders (melting point below 400°)
    - use reflector nozzle J
    - thoroughly clean both joining sections before soldering
    - pre-heat both sections and apply soldering wire (**do not use lead-based soldering wire**)
  - Thawing out frozen water pipes 19
    - use reflector nozzle J
    - heat the frozen area evenly
- ! water pipes are often difficult to distinguish from gas pipes; heating gas pipes is extremely dangerous – risk of explosion**
- OTHER APPLICATION EXAMPLES:
- ★ thawing out water pipes made of PVC (**position II, max. 60°C**)
  - ★ thawing out frozen car locks (**position II, max. 60°C**) (use reduction nozzle)
  - ★ defrosting freezers (**do not damage the plastic housing**)
  - ★ thawing out ice-covered steps and pavements
  - Shaping plastic tubes
    - use reflector nozzle J
    - fill the tube with sand and seal it at both ends, to avoid kinking of the tube
    - heat the tube evenly by moving it from side to side
- OTHER APPLICATION EXAMPLES:
- ★ shaping all plastics with a low melting-point (polyethylene, PVC etc.)
  - ★ shaping all plastics with a high melting-point (acrylic glass, Plexiglas etc.)
  - ★ shaping and bending carpet tiles made of synthetic fibres
  - ★ shaping and bending of wood (model-building)
  - Welding plastics
    - the weld seam must be clean and grease-free
    - keep welding rod close to weld seam and apply heat, until the welding rod gets tacky
    - remove heat, when weld seam is filled up
- OTHER APPLICATION EXAMPLES:
- ★ repairing of surfboards, skis and other synthetic sports goods (use round nozzle H)
  - ★ welding PVC-materials
  - ★ smoothing blisters after sticking PVC-labels
  - ★ connecting garden hoses (use reflector nozzle J)
  - Drying
    - ! only dry with a low or medium temperature setting (position I or II) and with an increased distance between the tool and the workpiece**
    - drying of paint, varnish, gypsum, mortar and plaster
    - drying wet timber prior to filling
    - drying thickly applied filler or adhesive quickly
    - drying building joints before spraying insulation or sealant
    - drying joints and cracks in boatbuilding
  - Cleaning/disinfecting
    - disinfecting rabbit hutches, dove cotes, etc. (**remove your pet first**)
    - combatting ant colonies
    - combatting woodworms and boring beetles (**hold the tool at an adequate distance from the wood**)
    - eliminating weeds

## MAINTENANCE / SERVICE

- This tool is not intended for professional use
- Never use easy inflammable liquids for cleaning the heat gun in general and the air outlet/nozzle in particular
- Always keep tool and cord clean (especially ventilation slots F ②)
- If the tool should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an after-sales service centre for SKIL power tools
  - send the tool **undismantled** together with proof of purchase to your dealer or the nearest SKIL service station (addresses as well as the service diagram of the tool are listed on [www.skil.com](http://www.skil.com))
- Be aware that damage due to overload or improper handling of the tool will be excluded from the warranty (for the SKIL warranty conditions see [www.skil.com](http://www.skil.com) or ask your dealer)

## ENVIRONMENT

Only for EU countries

- Do not dispose of electric tools, accessories and packaging together with household waste material
  - in observance of European Directive 2012/19/EC on waste of electric and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility
  - symbol ⑤ will remind you of this when the need for disposing occurs

Only for UK

- Do not dispose of electric tools, accessories and packaging together with household waste material
  - in observance of on Waste Electric and Electronic Equipment Regulations 2013 (SI 2013/3113), electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility
  - symbol ⑤ will remind you of this when the need for disposing occurs

