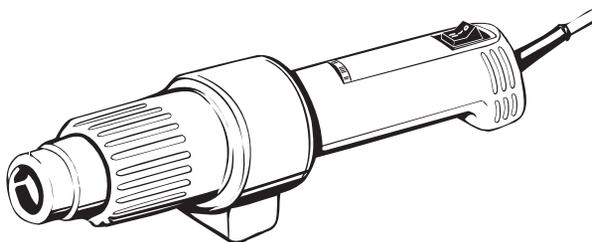


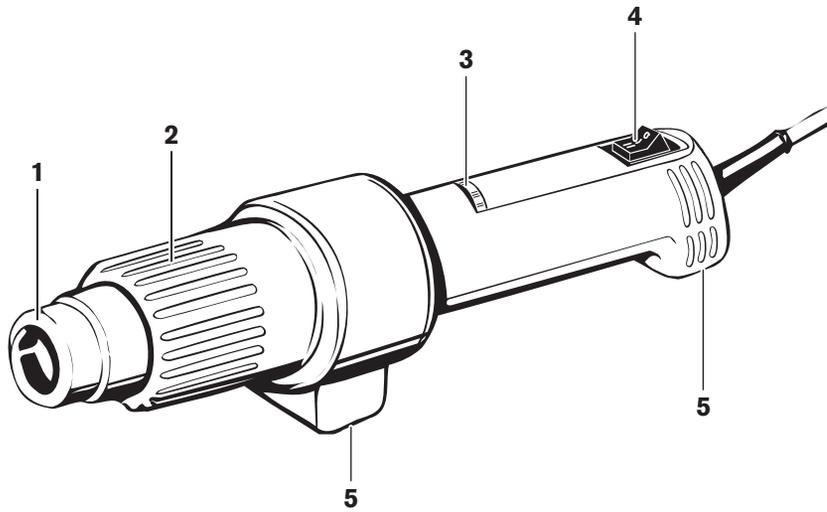
GHG 600 CE PROFESSIONAL

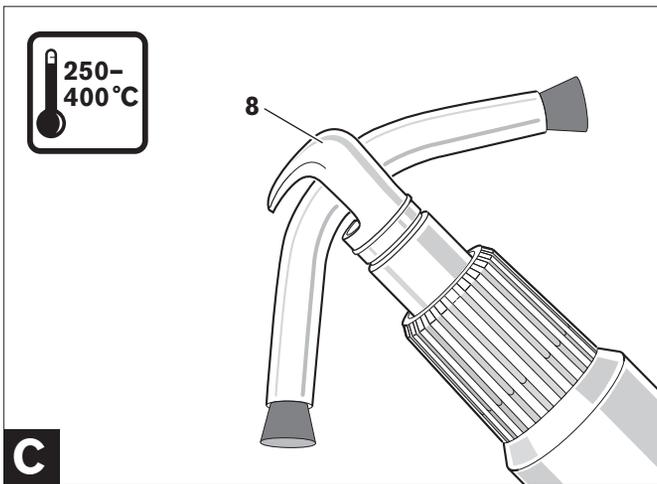
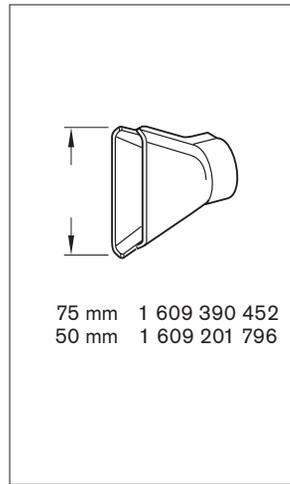
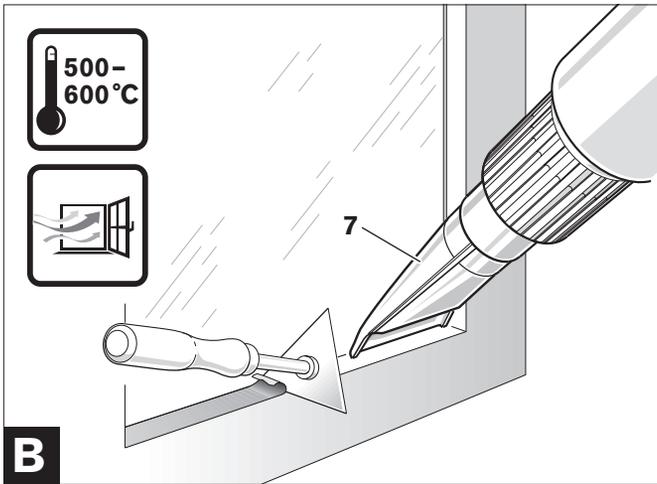
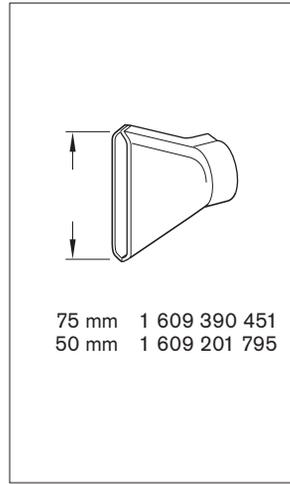
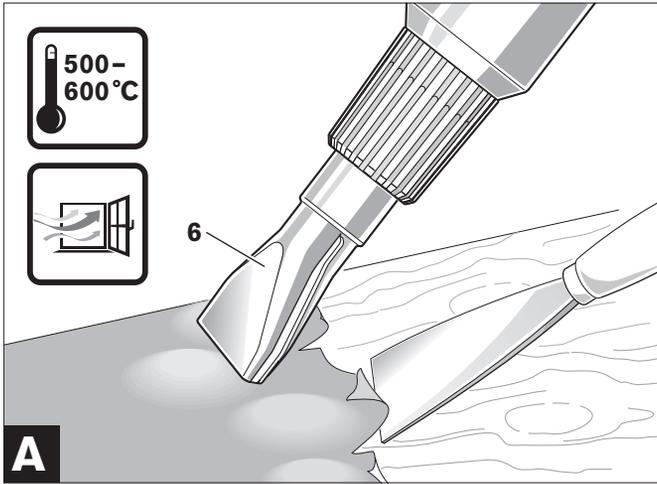


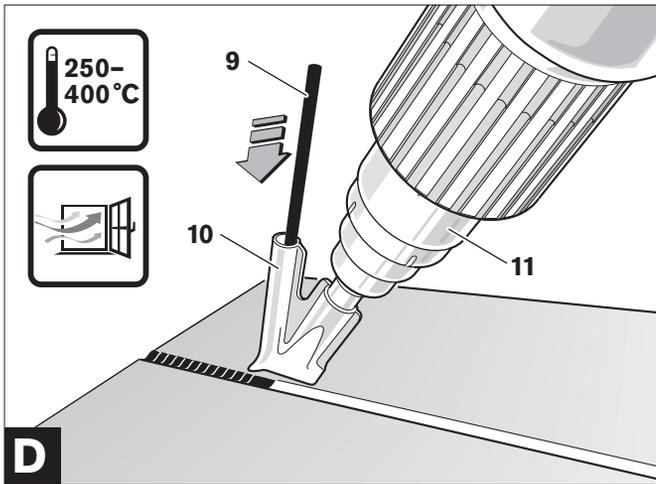
BOSCH

Bedienungsanleitung
Operating instructions
Instructions d'emploi
Instrucciones de servicio
Manual de instruções
Istruzioni d'uso
Gebruiksaanwijzing
Betjeningsvejledning
Bruksanvisning
Brukerveiledningen
Käyttöohje
Οδηγία χειρισμού
Kullanım kılavuzu
Instrukcja obsługi
Návod k obsluze
Návod na používanie
Használati utasítás
Руководство по эксплуатации
Інструкція з експлуатації
Instrucțiuni de folosire
Ръководство за експлоатация
Uputstvo za opsluživanje
Navodilo za uporabo
Upute za uporabu
Kasutusjuhend
Lietošanas pamācība
Naudojimo instrukcija

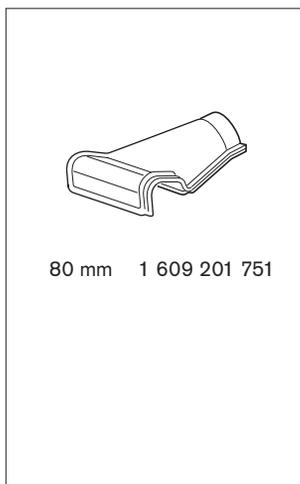
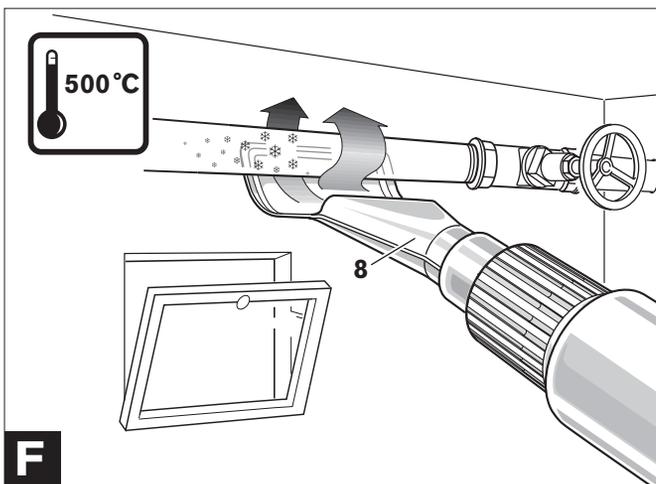
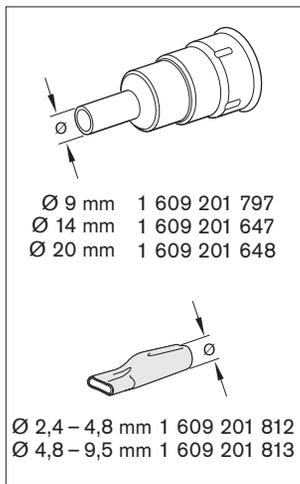
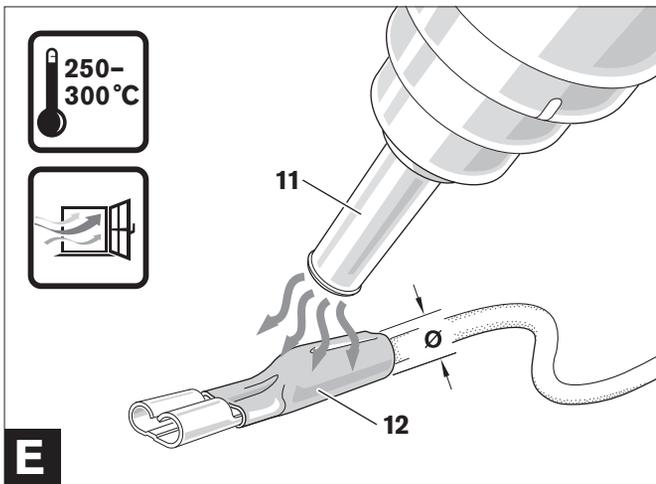
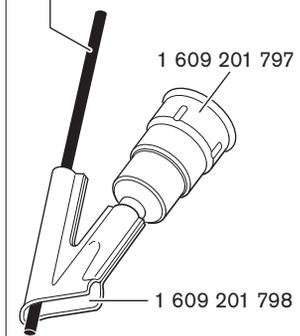








- PE 1 609 201 807
- PVC (hard) 1 609 201 808
- PVC (soft) 1 609 201 809
- PP 1 609 201 810
- LDPE 1 609 201 811



Safety Rules



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

- ▶ **Be careful when working with the power tool.** The power tool produces intense heat which can lead to increased danger of fire and explosion.
- ▶ **Exercise special care when working close to inflammable materials.** The hot air jet or the hot nozzle can ignite dust or gases.
- ▶ **Do not operate or work with the power tool in areas where there is danger of explosion.**
- ▶ **Never direct the hot air jet at the same position for longer periods.** Easily inflammable gases can develop e.g., when working plastic, paint, varnish or similar materials.
- ▶ **Be aware that heat can be conducted to hidden covered materials and can ignite them.**
- ▶ **After using, place the power tool down in a secure manner and allow it to cool down completely before packing it away.** The hot nozzle can cause damage.
- ▶ **Do not leave the switched-on power tool unattended.**
- ▶ **Store idle power tools out of the reach of children. 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.
- ▶ **Never use the machine with a damaged cable. Do not touch the damaged cable and pull the mains plug when the cable is damaged while working.** Damaged cables increase the risk of an electric shock.
- ▶ **Connect machines that are used in the open via a residual current device (RCD).**
- ▶ **Do not expose the power tool to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- ▶ **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.
- ▶ **Always wear safety goggles.** Safety goggles will reduce the risk of injuries.
- ▶ **Disconnect the plug from the socket outlet before making any adjustments, changing accessories, or placing the power tool aside.** This safety measure prevents unintentional starting of the power tool.

- ▶ **Check the power tool, cord and plug each time before use. Do not use the power tool if damage is determined. Do not open the power tool yourself and have it serviced only by a qualified repair person using only original spare parts.** Damaged power tools, cords and plugs increase the risk of electric shock.



Provide for good ventilation of your working place. Gas and vapour developing during working are often harmful to one's health.

- ▶ **Wear safety gloves and do not touch the hot nozzle.** Danger of burning.
- ▶ **Never direct the hot air jet against persons or animals.**
- ▶ **Do not use the power tool as a hairdryer.** The hot air being blown out is significantly hotter than that from a hairdryer.

Functional Description

While reading the operating instructions, unfold the graphics page for the machine and leave it open.

Intended Use

The power tool is intended for the forming and welding of plastic, removal of paint and the warming of heat-shrinkable tubing. It is also suitable for soldering and tinning, loosening of adhesive joints and the defrosting of water lines.

Product Features

The numbering of the product features refers to the illustration of the machine on the graphics page.

- 1 Nozzle
- 2 Heat protection collar
- 3 Thumbwheel for temperature control
- 4 On/Off switch with air-volume regulator
- 5 Standing surface
- 6 Wide jet nozzle*
- 7 Glass protection nozzle*
- 8 Reflector nozzle*
- 9 Welding rod*
- 10 Welding shoe*
- 11 Reduction nozzle*
- 12 Heat-shrinkable sleeve*

*The accessories illustrated or described are not included as standard delivery.

Noise Information

Measured values determined according to EN 60745.

Typically the A-weighted sound pressure level of the unit is 70 dB(A).

Technical Data

Hot Air Gun		GHG 600 CE PROFESSIONAL
Article number		0 601 942 1..
Rated power input	W	2000
Temperature at the nozzle outlet (approx.)	°C	100–600
Air flow	l/min	350/550
Weight according to EPTA-Procedure 01/2003	kg	0,6
Protection class		□ / II

The values given are valid for nominal voltages [U] of 230/240 V. For lower voltage and models for specific countries, these values can vary.

Please observe the article number on the type plate of your machine. The trade names of the individual machines may vary.

Declaration of Conformity

We declare under our sole responsibility that this product is in conformity with the standards or standardization documents:

EN 60335 according to the provisions of the directives 73/23/EG, 89/336/EEC.

 94

Dr. Egbert Schneider
Senior Vice President
Engineering

Dr. Eckerhard Strötgen
Head of Product
Certification

Dr. Egbert Schneider *Dr. Eckerhard Strötgen*

23.08.2006, Robert Bosch GmbH, Power Tools Division
D-70745 Leinfelden-Echterdingen

Operation

Starting Operation

- **Observe correct mains voltage! The voltage of the power source must agree with the voltage specified on the nameplate of the machine. Power tools marked with 230 V can also be operated with 220 V.**

Switching On and Off

To **switch on** the power tool, press the On/Off switch **4** to position **I** or **II**.

To **switch off** the power tool, press the On/Off switch **4** to the **0** position.

Selecting the Air-volume Level

With the On/Off switch **4** it is possible to select between two air-volume levels:

Hot-air level **I**: 350 l/min
Hot-air level **II**: 550 l/min

A reduced air-volume level may be required in certain cases, e.g., to avoid overheating the workpiece surroundings or to avoid displacing the workpiece if the air jet is too strong.

A higher air-volume level heats up the workpiece more quickly and the hot-air gun can be held at a greater distance from the workpiece.

Setting the Temperature

Infinitely variable temperature control of the air jet is possible with the thumbwheel **3**.

The marked thumbwheel positions correspond with the following temperature ranges:

Thumbwheel Position	Temperature in °C
1	100–120
2	210–250
3	300–340
4	420–450
5	500–550
6	570–600

Operating Instructions

Note: Do not apply the nozzle **1** too close to the workpiece being worked. The hot air build-up can lead to overheating of the power tool.

Removing the Heat Protection Collar

The heat protection collar **2** can be removed when working at particularly hard-to-reach locations.

- ▶ **Be careful of the hot nozzle!** Increased danger of burning exists when working without the heat protection collar.

To remove or mount the heat protection collar **2**, switch the power tool off and allow it to cool down.

Turn the heat protection collar **2** in anticlockwise direction to remove and in clockwise direction to mount again.

Placing Down the Power Tool

Place the power tool down on both standing surfaces **5** in order for it to cool down or to have both hands free for working.

- ▶ **Be especially careful when working with the placed down power tool!** There is danger of burning oneself on the hot nozzle or on the hot air jet.

Work Examples

The illustrations of the work examples can be found on the fold-out pages.

The temperature settings in the work examples are reference values that can vary, depending on the material characteristics. The distance between the nozzle and the workpiece depends on the material to be worked.

The optimal temperature for the respective application can be determined by practical testing. Always start with a low temperature setting.

All application examples can be performed without accessories except for "Removing Varnish/Paint from Windows". However, the use of recommended accessories simplifies the work and significantly improves the quality of the result.

- ▶ **Be careful when changing the nozzle! Do not touch the hot nozzle. Allow the power tool to cool down and wear protective gloves while changing the nozzle.** Danger of burning oneself on the hot nozzle.

Removing Varnish/Softening Adhesives (see figure A)

Mount the wide jet nozzle **6** (accessory). Briefly soften the varnish applying hot air and remove it using a sharp, clean scraper or putty knife. Applying heat too long will burn the varnish, making it more difficult to remove.

Many adhesives (e.g. of stickers) become soft when heated. Heated adhesives allow for bonds to be separated or excessive adhesive to be removed.

Removing Varnish/Paint from Windows (see figure B)

- ▶ **Use of the glass protection nozzle 7 (accessory) is essential.** Danger of glass breaking.

On profiled surfaces, varnish can be removed using an appropriately fitting spatula and brushed off with a soft wire brush.

Shaping Plastic Tubing (see figure C)

Mount the reflector nozzle **8** (accessory). To avoid kinking of the tubing, fill the tubing with sand and plug both ends. Heat the tubing evenly by applying the heat from side to side.

Welding Plastics (see figure D)

Mount the reduction nozzle **11** and the welding shoe **10** (both accessories). The workpieces to be welded and the welding rod **9** (accessory) must be of the same material (e.g. both of PVC). The seam must be clean and grease-free.

Carefully heat up the seam location until it becomes doughy. Please note that the temperature difference between the doughy and liquid state of plastic is low.

Feed in the welding rod **9** and allow it to run into the gap so that a uniform bead is produced.

Shrinking (see figure E)

Mount the reduction nozzle **11** (accessory). Select the diameter of the heat-shrinkable sleeve **12** (accessory) according to the workpiece (e.g. a cable lug). Heat the heat-shrinkable sleeve evenly.

Defrosting Water Pipes (see figure F)

- ▶ **Before heating pipes, check to make sure that it is actually a water pipe.** Water lines often do not differ in appearance from gas lines. Gas lines are not to be heated under any circumstances.

Mount the reflector nozzle **8** (accessory). Always apply heat to the frozen areas from the outside to the middle.

Heat up plastic pipes as well as connections between pipe pieces especially careful to prevent damage.

Maintenance and Service

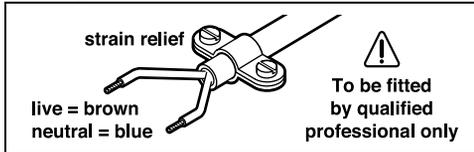
Maintenance and Cleaning

- ▶ **Before any work on the machine itself, pull the mains plug.**

For safe and proper working, always keep the power tool and its ventilation slots clean.

WARNING! Important instructions for connecting a new 3-pin plug to the 2-wire cable.

The wires in the cable are coloured according to the following code:



Do **not** connect the blue or brown wire to the earth terminal of the plug.

Important: If for any reason the moulded plug is removed from the cable of this power tool, it must be disposed of safely.

If the machine should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an after-sales service centre for Bosch power tools.

In all correspondence and spare parts order, please always include the 10-digit article number given on the type plate of the machine.

Service and Customer Assistance

Exploded views and information on spare parts can be found under:

www.bosch-pt.com

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Robert Bosch Ltd. (B.S.C.)

P.O. Box 98

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Denham-Uxbridge

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Magna Business Park

City West

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3168 Clayton/Victoria

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Fax: +61 (0)1 / 3 00 30 70 45

www.bosch.com.au

Disposal

The machine, accessories and packaging should be sorted for environmental-friendly recycling.

Only for EC countries:



Do not dispose of power tools into household waste!

According the European Guideline 2002/96/EC for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

Subject to change without notice.