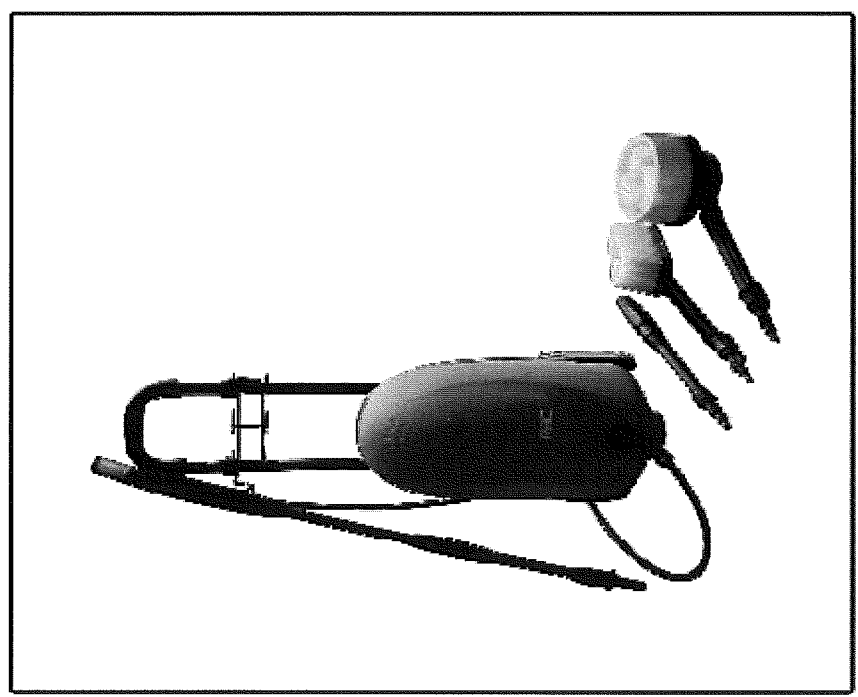


750/6596
WINTER 2005

RAC

1800W Pressure Washer RAC-HP004



Spare parts:

- Spare parts are available. Please call the helpline on 020 83916767.
- Variable pattern Lance nozzle £10.00
- Turbo nozzle £10.00
- Rotary brush head £10.00
- Standard brush head £8.00
- Spray gun £14.00
- Detergent feeder hose and filter £5.00

All prices include postage and packing. Please allow 28 days for delivery. Payment can be made by cheque, Postal Order or Credit Card Cheques/Postal Orders payable to: Hilti Tools (UK) Limited

NOTE: Credit card payments will not be accepted for orders below the value of £10.00

If faults cannot be remedied, contact the Helpline on 020 83916767
Helpline@hilti.co.uk

GUARANTEE

This product is guaranteed for domestic use for a period of 12 months against faulty manufacture or materials. This guarantee does not affect the statutory rights of the consumer. In the event of any problem occurring please contact our Helpline at the number above for advice. This product is not guaranteed for HIRE purpose

Manufactured under licence by Hilti Pro Imports.

1 ROEBUCK PLACE, ROEBUCK ROAD, CHESSINGTON, SURREY KT9 1EU

Safety Instruction

General Safety Rules

WARNING: Read the instructions fully before using the product for the first time. Failure to follow the instructions may result in a fire, electric shock and/or serious injury. We recommend the user wear safety equipment during use.

We recommend the product be use with an RCD(Residual Current Device)

Please Retain These Instructions For Future Use And Referral

- This unit must not be used by children or untrained personnel.
- When operating the unit in high-pressure mode, the lance may cause kickback. Therefore please ensure that you hold the spray gun firmly. When using the unit we recommend that other people are at least 10m away from the working area.
- High-pressure jets can be dangerous if misused. The jet **MUST NOT** be directed at other people, animals, live electrical equipment or the pressure washer itself. The trigger gun safety lock prevents the trigger from accidentally being engaged. This safety feature does not lock trigger in the on position.
- Do not point the jet towards yourself or others.
- Do not use the pressure washer if the supply cord or other important parts are damaged (eg: high pressure lance or hoses). Never carry your pressure washer by the cord.
- Do not disconnect the high-pressure hose whilst the system is under pressure. This system is capable of producing 1600PSI. To avoid rupture and injury, do not operate this pump with components rated less than 1600PSI working pressure (including but not limited to spray guns, hose and hose connections.)
- Do not use acids or flammable liquids in the machine.
- When using a pressure washer always ensure that your water connection is protected by a backflow preventer (as per water byelaws). This will avoid possible contamination of your water supply. Use cold water feed only.
- Protect the unit against freezing, avoid storing the machine where it maybe susceptible to frost. Prior to starting the pressure washer in cold weather, be sure ice has not formed in any part of the equipment.
- The unit must continuously run with water. Dry running will cause serious damages to the seals.

IMPORTANT: The pressure washer is equipped with a stop device. When the trigger is in the off position it will open the power circuit to the motor and cause the pressure washer motor to stop. Motor will resume again when trigger is pulled. The pressure washer is also equipped with a main power ON/OFF switch located on the unit. It should always be moved to OFF position when the pressure washer is not being used.

This product is a class II product-double insulated. No means of grounding (to earth) is provided on this product nor should it be added. A qualified person should only carry out servicing.

If an extension lead is to be used with this product, please ensure:

Use only extension cords having an electrical rating not less than the rating of the product.

Use only extension cords that are intended for outdoor use.

To reduce the risk of electrocution, keep all connections dry and off the ground.

Do not touch plug with wet hands.

Hose: Water hose must be at least 1/2" in diameter with a minimum recommended length of supply of 6 meters.

NOISE AND VIBRATIONS DATA

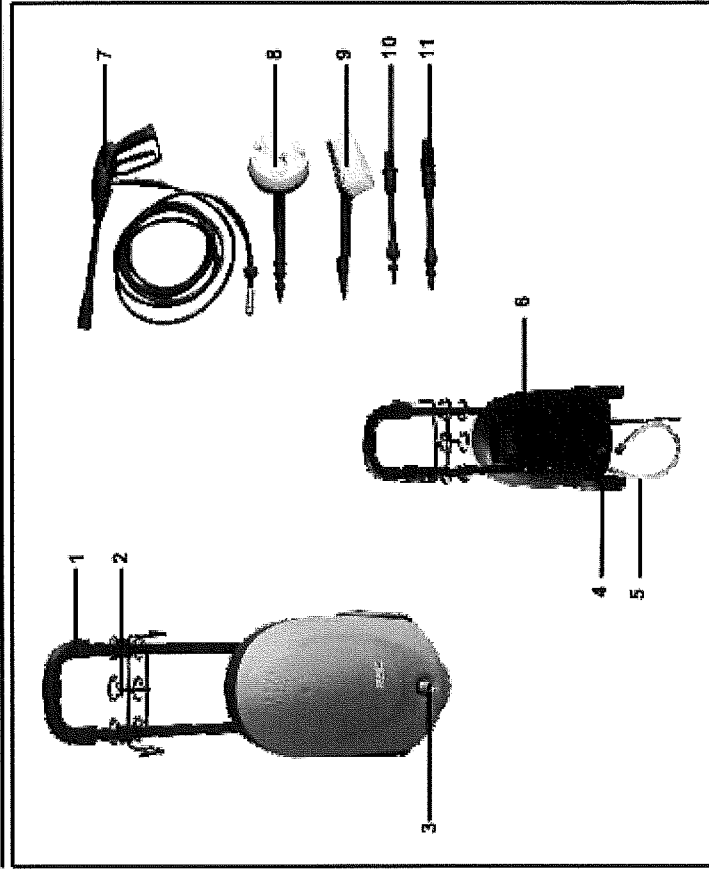
Vibrations:

X direction 0.245M/S²
Y direction 0.582M/S²
Z direction 0.765M/S²

Sound power level:

98db(A)

Component



1. Metal handle
2. Accessory rack
3. Threaded connection for high-pressure hose
4. Threaded connection for water supply
5. Detergent feeder hose
6. On/Off switch
7. Spray gun/Lance
8. Rotary brush
9. Standard Brush
- 10 Turbo nozzle
- 11 Variable spray pattern lance

Technical specification

Rated voltage	230-240V AC
Rated Power	1800W
Rated Frequency	50HZ
Protection Class	II
Degree of protection	IPX5
Permissible pressure	140bar
Rated Pressure	90bar
Inlet pressure	1.5-6bar
Supply water temperature	5-60°
Nozzle spray angle	0-90°
Max output flow rate	6.0L/M

Assembly and Operating

Assembly

WARNING: Before assembly, servicing, cleaning or removal of any parts, switch off power and disconnect from electric supply.

Note: That the unit may have some water in it, as the unit will have been fully tested at the place of manufacture.

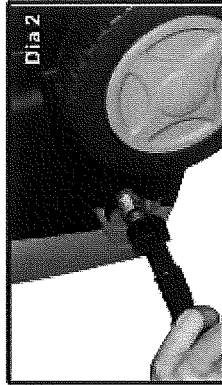
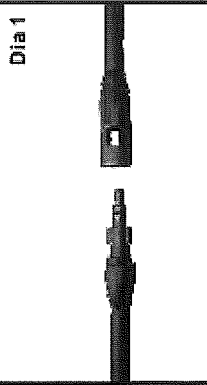
- Connect the chosen nozzle into the socket of the spray gun/lance and click into position (rotating clockwise until it locks in place), ensure that both parts are firmly connected together otherwise an accident is liable to occur. (Dia 1)

- Attach the high pressure hose and fitting to the spray gun/lance. Ensure that it is firmly attached. (Dia 2)

- Connect garden hose (with quick fit adaptor) onto the water inlet connection. (Dia 3)

- Ensure the pressure washer is switched off, attach garden hose to water supply and plug unit into mains (Dia 4)

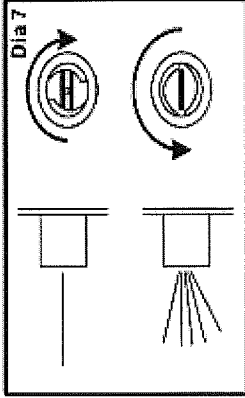
Note: when facing the unit, the right side connection is for high-pressure hose and the left connection is water inlet.



Instructions for use

Fully open the tap for water supply. Before turning the unit on, pressure the gun trigger to bleed any trapped air out of the pump and hose. Start the pressure washer by turning ON/OFF switch to ON position, and press the trigger to spray water.

Operating and Storage



The turbo nozzle is a fixed nozzle, which effectively increases the pressure washers cleaning performance. The turbo nozzle provides a circular water pattern as it sprays the high-pressure washer water. The spray pattern on this nozzle is not adjustable. The circular spray action does heavy cleaning in less time.

WARNING: If the area to be cleaned is a painted surface that is peeling or chipping, use extreme caution as the pressure washer may remove the loose paint from the surface. Take care when using the high-pressure setting as high-pressure can potentially damage finish or paintwork (eg car, van, motorcycle ect....) It is not recommended to use the pressure washer inside the engine bay.

Use of Detergent

This pressure washer operates at two pressures. When applying detergent, you must be operating at low pressure. The high pressure is used for cleaning and rinsing.

Biodegradable detergents are specifically formulated to protect the environment and your pressure washer. These detergents will not clog the filter and will protect the internal parts of the pressure washer for a longer life.

- Open the cover on the detergent container by twisting it off.
- Fill the detergent container with approved detergent. Pour detergent slowly into the reservoir. Close the cover.

- To apply the detergent cleanser to your working area, pull the tip of the adjustable spray nozzle forward. Release the gun safety lock and pull the trigger to operate the unit and apply the detergent. The pressure washer will mix the detergent with water. Do not add water to the detergent container and do not allow the detergent to dry on the object you are cleaning.

Caution: Make sure the gun safety lock is

engaged so the trigger cannot be squeezed while the tip of the adjustable spray is being converted to detergent dispensing mode.

WARNING: Never use products with bleach or chlorine or any other corrosive materials, including liquids containing solvents (i.e. Gas, oils etc), tri-sodiumphosphate products, ammonia, or acid-based cleaners. These chemicals will harm the unit and cause damaged the surface being cleaned. Always read the label.

Only fill detergent while the unit is not running.

All the accessories are fitted by pushing firmly into the spray lance and turning.

Rotary Brush

If soap/detergent is required then add soap/detergent to the dispenser. Press the lance trigger and allow the water to flow for a few minutes this will draw the soap to the rotary brush.

Fixed washing brush

If soap is required then add soap to the dispenser. Press the lance trigger and allow the water to flow for a few minutes this will draw the soap to the brush.

Turbo Lance

Soap dispensing is not available with this lance.

Variable spray pattern lance

The spray pattern is adjusted by turning the front nozzle section.

Low pressure is achieved by pulling the front nozzle section forward.

Maximum pressure is achieved with the nozzle pushed in and the spray pattern turned to a needle point.

If soap is required then add soap to the dispenser.

Set the lance to low pressure (pull nozzle forward)

Press the lance trigger and allow the water to flow for a few minutes this will draw the soap through.

Clean-up and storage

When finished using the pressure washer, follow these steps to ensure safe storage of your pressure washer.

- Turn the pressure washer to the Off position.
- Turn off the water supply.

Maintenance and Trouble shooting

- Before disconnecting high pressure hose connection, point the gun in a safe direction and discharge the high pressure water. Disconnect high pressure hose from the pressure washer and gun.
 - Disconnect garden hose from the pressure washer.
 - Remove excess water from the pump by tipping the unit on both sides to drain any remaining water from inlet and outlet fittings.
 - Drain detergent reservoir and flush with running water.
 - Wipe away any remaining water on all parts and fittings.
 - Engage the gun safety lock.
 - Store the unit and accessories in a room above 0°C(32°F).
 - Winterizing and long-term storage
 - Disconnect all water connections. Turn the pressure washer on for a few seconds, unit any remaining water in the pump exits. Turn off immediately.
 - Store the pressure washer, parts, and accessories in an area with a temperature above 0°C(32°F).
- WARNING:** Failure to comply with these storage instructions will result in damage to the pump assembly.

Maintenance

Your pressure washer requires no additional lubrication or maintenance. There are no user serviceable parts. Never use chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Clean all accessories including the detergent feeder hose and filter, by using clean warm water only. Wipe clean with a dry cloth.

Note: We recommend that a branded detergent is used in your pressure washer. Please note that there are different detergents available for different tasks, such as one for cleaning cars, one for cleaning patios and drive ways etc.....

Trouble Shooting

WARNING: Before making any repairs, switch off mains, turn off water supply and release the pressure. Disconnect the mains plug.

- **No detergent flow**
Possible causes: container empty; Detergent too thick; Nozzle blocked; High pressure nozzle position.
Check all above and correct as necessary.
- **Machine does not start**
ON/OFF switch is in the off position; Plug fuse has blown; Electric socket is faulty; Thermal cut-off was tripped.
Ensure unit is switched on, change fuse, try another socket or try without the extension lead, reset RCD(if used). If the pressure washer overheats the pressure washer will switch off automatically. If this happens switch off the pressure washer and let the motor cool down for 15 minutes before switching on again.
- **Pump does not reach the max pressure**
Possible causes: Water inlet filter is clogged; Pump sucking air; Incorrect nozzle; Diameter of garden hose is too small; Water supply is restricted or supply is too low pressure.
Check all the above.
- **The output pressure varies and is not constant**
Possible Causes: Water inlet filter is clogged; Pump sucking air; Diameter of garden hose is too small; Water supply is restricted or supply is too low pressure, nozzle is damaged.
Check all the above.
Note: Clean dirt from nozzle hose with a needle and rinse from the front.

Troubleshooting and Plug Fitting

- **The motor stops suddenly**
Possible Causes: Thermal safety switch has tripped due to the overheating. If the pressure washer overheats the pressure washer will switch off automatically. If this happens switch off the pressure washer and let the motor cool down for 15 minutes before switching on again. One common reason for overheating is low water inlet pressure. To check this you should be able to fill a 10 litre bucket in 1 minute
- **Pump is noisy**
Possible Causes: Bearings are worn out; Extreme supply water temperature .
Check all the above.
- **Water leaking from the pump**
Cause: Loose fitting; Missing/worn rubber washer.
Solution: Check and replace.
- **Lance Trigger will not operate**
Possible causes: Safety catch on
Check and ensure safety catch is released.

Plug Fitting

Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket. If the supply cord is damaged it must be replaced by a service agent or similarly qualified person in order to avoid hazard. Your pressure washer is supplied with a fitted plug, however if you should need to fit a new plug follow the instruction below. If in doubt consult a qualified electrician.

IMPORTANT

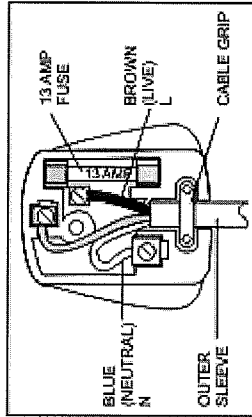
The wires in the mains lead are coloured in accordance with the following code:

Blue - Neutral Brown - Live Green/Yellow - Earth

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals

in your plug, proceed as follows:

- The wire which is coloured blue must be connected to the terminal which is marked with N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
- The green/yellow wire to the earth terminal marked 'E' or \equiv if a 13 AMP (BS 1363) Plug is used, a 13 AMP Fuse must be fitted, or if any other type of plug is used a 13 AMP Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



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