

RAC

3000W Pressure Washer

RAC - HP006



Pressure Washer - Assemble and Operation

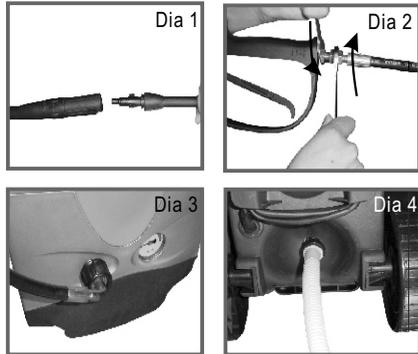
Assembly

WARNING: Before assembly ensure the on/off switch is off and the unit is not connected to the electric supply.

- Connect the high pressure link hose(14) to the outlet (17) and inlet(13), see Dia 3
- Connect the high pressure hose(20) to trigger handle(10), see Dia 2. Use spanners to tighten the connection.

Note: Whilst connecting the hose to trigger handle, always use two spanners (supplied)to tighten the connection (see dia 2). With one spanner to tighten the nut at the end of high pressure hose will damage the connection between the metal inlet and the plastic trigger handle.

- Connect the desired attachment:
Low pressure lance(6) first fit the low pressure adaptor(5) to the trigger handle then push in and twist brush heads(7 or 9) first fit the low pressure adaptor (5) to the trigger handle then push in and twist 1/4 turn until rectangular tab appears, see Dia 1.High pressure lance(8)does not need the low pressure adaptor(5), screw directly into the trigger handle.



Instructions for use

- Connect your garden hose with quick connector onto the water supply inlet(4).
 - Fully open the tap on the water supply. Plug the unit into properly grounded (earthed) outlet.
 - Turn the pressure adjustment knob to make sure it is at the low pressure setting.(See Dia 5)
- WARNING: Start the machine with high pressure setting will shorten the use life of your pressure washer.**
- Before turning the unit on press the trigger to bleed out any trapped air.

Start the pressure washer by turning ON/OFF switch to ON position, and press the trigger.

Shutting down:

- Turn the switch to OFF position and disconnect from mains supply.
- Turn off the water supply.
- Press trigger to release the water pressure, and disconnect the garden hose.

REMINDER: THE MOTOR DOES NOT RUN CONTINUOUSLY, ONLY WHEN TRIGGER IS SQUEEZED.

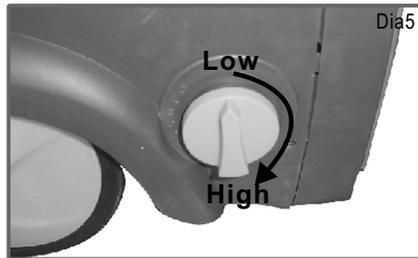
WARNING: When taking a break, engage gun safety lock and switch off.

WARNING: Never operate your pressure washer without the water supply on.

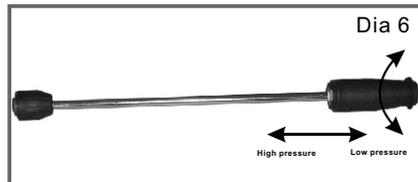
Helpful Hints

Variable out let pressure:

The output pressure can be changed as required. The pressure is variable from 50bar-120bar, see Dia5.



- Variable spray patterns
The high pressure lance has an adjustable nozzle which allows you to use a variety of spray patterns from a fan spray to a pencil jet spray.
The spray is adjusted by turning the nozzle at the front of the lance as shown, see Dia6.



When using the pressure washer to clean decking, patios, vehicles etc, always start by using the fan spray and begin spraying from a minimum 30cm away to avoid damaging the surface of the material to be cleaned. The pressure of the spray on the surface you are cleaning increases as you move the nozzle closer to the surface.

Pressure Washer - Operation

We recommend that for most cleaning applications a 45° spray angle should be used to avoid damage to surface being cleaned. Spraying directly head-on tends to cause dirt particles to embed in the surface.

WARNING: Do not adjust the nozzle while the trigger is squeezed.

WARNING: If the area to be cleaned is 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(e.g.car, van motorcycle etc.)

- Low pressure lance
The low pressure lance has a fixed nozzle which provides a circular water pattern as it sprays the high-pressure water.
This effectively increases the cleaning performance.
WARNING: It is not recommended to use the pressure washer inside the engine bay.
- Use of detergent
-This pressure washer is fitted with a detergent tank(1)
-To penetrate and remove dirt more effectively it is recommended to use the detergent dispensing function.
-Fill the detergent container with detergent only. Do not put any water, or any other liquids into the container.
-Always spray detergent on a dry surface, do not pre-soak area. Wetting the surface first dilutes the detergent and reduces its cleaning ability.
-For best results, limit your work area to smaller sections of approximately 25sq.ft.
-Allow wash to remain on surface 1-3minutes.
-Rinse at high-pressure in a long sweeping motion using a wide spray pattern.
-When moving on to a new section of the cleaning surface, be sure to overlap the previous section to eliminate marks.

Note: Detergent is only applied at low pressure. During the use of high pressure lance, the detergent can only be dispensed when the lance is set to low pressure by pulling the front adjustment mechanism forward (Refer to Dia 6)

- Winter storage
-Press trigger to release the water pressure.
-Disconnect the garden hose from the water inlet on the unit and disconnect power supply.
-For storage before winter we recommend the use of antifreeze.
-Prepare the pressure washer for storage by tunning a 50/50 mix of water and anti-freeze into the unit.
-This will keep the internal parts lubricated, protected from rust, and prevents the pump from freezing.
Mix anti-freeze and water at a 50/50 ratio.
-Connect a short piece of garden hose(2-3m long) to the water inlet fitting(4). Use a funnel to pour the anti-freeze solution down the hose.
-Start the machine and let it draw the solution through the pump. This can take up to 2minutes.
-Disconnect the high-pressure hose from the pump outlet(17).
-Shut the pressure washer down when the solution begins to spray from the outlet(17).
-Disassemble the detergent tank, and rinse thoroughly.
-Wind up high-pressure hose and electrical cord.
-Store the unit and accessories at above Zero °C.

WARNING: After the winter storage ensure the complete system is washed out thoroughly before use. Anti-freeze will damage paintwork and therefore you must ensure that no antifreeze is left in the system before cleaning use.

OR If you prefer, you can still protect your pressure washer from winter-damage.

- Disconnect all water connections.
- Turn on the machine for a few seconds, until the remaining water in the pump exits.
- Turn off immediately.
- Store the machine and accessories in a room that does reach freezing temperatures.

Pressure washer - Maintenance and Troubleshooting

MAINTENANCE

Your pressure washer requires no lubrication or maintenance. There are no user serviceable parts.

Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store in a dry place.

Keep the motor ventilation slots clean.

TROUBLESHOOTING

WARNING! Before making any repairs, switch off mains, disconnect the mains, turn off water supply and release the water pressure.

● No Detergent Flow

Cause: Detergent container empty; Bottle and suction tube not properly connected; Detergent too thick; Suction tube blocked; Suction tube kinked; Low pressure accessory blocked.

Solution: Check all above and correct as necessary.

● Motor does not start

Cause: On/Off switch is in the off position; Plug fuse has blown; Electric socket is faulty; Thermal cut-off has tripped.

Solution: Check all the above. If thermal cut-out has tripped, switch off and let the motor cool for a fifteen minutes before retrying. Trigger has not been depressed

● The pump does not reach the max pressure

Cause: Water inlet filter is clogged; Pump is sucking in air; Incorrect nozzle selected; Diameter of garden hose is too small; Water supply is restricted or supply pressure is too low.

Solution: Check all above

● The output pressure varies and is not constant

Cause: Water inlet filter is clogged; Pump is sucking in air; Diameter of garden hose is too small
Water supply is restricted or supply pressure is too low

Outlet nozzle is blocked/damaged

Solution: Check all the above.

● The motor stops suddenly

Cause: Thermal safety switch has tripped due to the overheating.

Solution: If thermal cut-out has tripped, switch off and let the motor cool for a fifteen minutes before retrying.

● Pump is noisy

Cause: Air intake damaged or blocked; Bearings are worn out; Extreme water temperature supply

Solution: Check all the above.

● Water leaking from the pump

Cause: Loose fitting; Missing/worn out rubber washer.

Solution: Check and replace

● Garden hose connection leaks

Cause: Loose fitting; Missing/worn rubber washer.

Solution: Check and replace.

● Leaks from brush heads, low pressure lances

Causes: Accessories not correctly attached; Broken parts; 'O' ring seal damaged.

Solution: Check and replace.

Spare Parts

High pressure lance - £10.00

Low pressure lance - £10.00

Rotary brush head - £10.00

Fixed brush head - £8.00

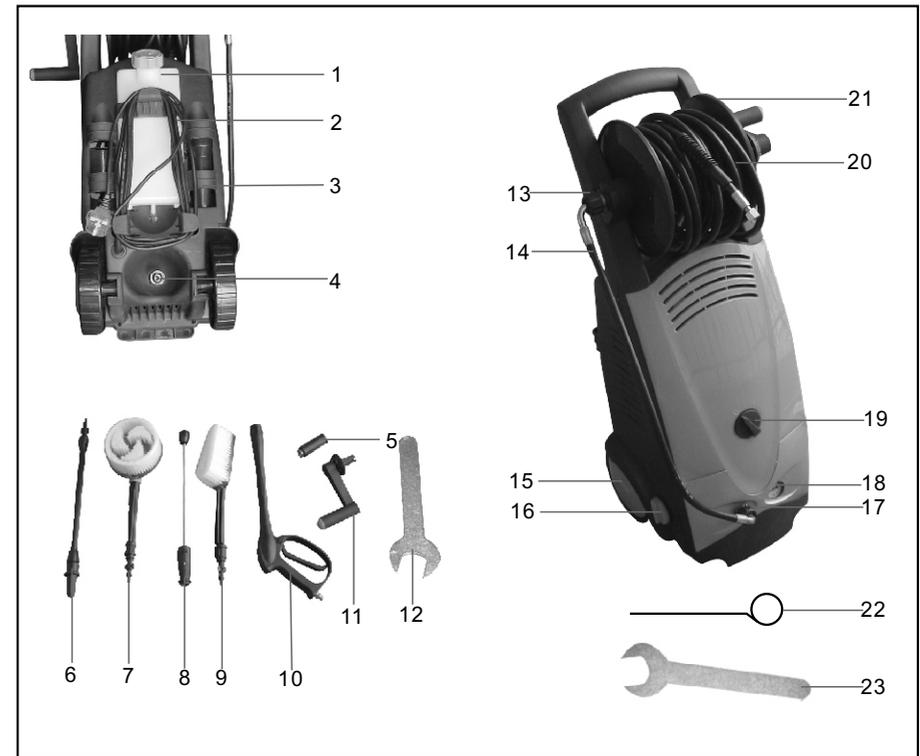
Low pressure adaptor - £5.00

Trigger handle - £14.00

Crank handle - £5.00

All prices include postage and packing, please allow 28 days for delivery

Pressure Washer - Component



1. Detergent tank
2. Power cable
3. Lance&brush storage
4. Water supply inlet
5. Low pressure adaptor
6. Low pressure lance
7. Rotary brush
8. High pressure lance
9. Fixed brush
10. Trigger handle
11. Hose reel crank handle

12. Spanner(for trigger handle inlet)
13. High pressure hose inlet
14. Connector link hose
15. Wheels
16. Pressure adjustment knob
17. Outlet
18. Pressure indicator
19. ON/OFF Switch
20. High pressure hose reeled on bracket
21. Hose reel assembly
22. Needle
23. Spanner(for high pressure hose)

Technical Specification

Rated voltage/Power:

230V~50Hz/3000W

Protect Class:

IPX5

Rated Pressure:

5-12MPa

Max output flow rate:

7.5L/Min

Supply water temperature:

0-40°C

Supply water pressure:

0.2-0.5MPa

Supply water flow rate:

>10L/Min

High-pressure hose:

10M

Nozzle spray angle:

0-60°

Pressure Washer - Safety Instruction

General Safety Rules

WARNING! Read all 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 used with an RCD (Residual Current Device)

Please Retain These Instructions For Future Use And Referral

- This unit is intended for use by proficient adults. Never allow children to operate the pressure washer.
- 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 jet 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 handle 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 with pressure. This system is capable of producing 1600PSI. Do not operate this pressure washer with unapproved components/accessories
- DO NOT use acids or flammable liquids in the machine.
- When using a pressure washer machine 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 may be susceptible to frost. Prior to starting the pressure washer in cold weather, be sure ice has not formed in any part of the equipment.
- This unit must continuously run with water. Dry running will cause serious damages to the seals.

IMPORTANT: The pressure washer is equipped with an auto stop device. When the trigger is in the off position motor will stop. Motor will resume again when trigger is pulled. The pressure washer is equipped with a mains power ON/OFF switch located on the unit. It should always be moved to the Off position when the pressure washer is not being used.

IMPORTANT: This product must be earthed. If possible, do not use extension cords with this product. However, if you must use one, observe all the warnings and instructions listed below:

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

Use only 3-wire extension cords that have 3pin UK plug.

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.

IMPORTANT: Water supply hose must be at least 1/2" in diameter.

Plug Fitting

Your pressure washer is supplied with a fitted plug, however if you should need to fit a new plug follow the instruction below.

IMPORTANT

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

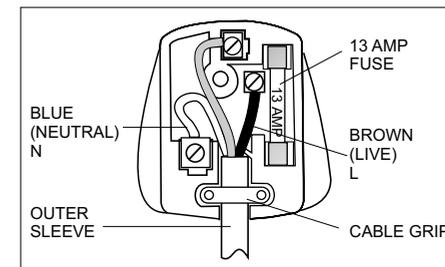
Blue - Neutral Brown - Live Green/Yellow - Earth

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.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L.

The green/yellow wire to the earth terminal marked "E" or . If a 13 AMP (BS 1363/A) 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.



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 a similarly qualified person in order to avoid hazard.

ENVIRONMENTAL PROTECTION



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

*If faults cannot be remedied, contact the Helpline on 020 83916767
Helpline@hilka.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. If 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 Hilka Pro Imports.

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

Safety warning instruction

1. Connect only to properly grounded outlet. Do not removed ground pin.
2. Inspection the cord insulation for any damage before use.
3. Always wear proper face protection when operating the machine.
4. Always keep bystander or children away.
5. Danger ! High pressure - Never point the gun at any person or animal. Do not spray at electrical apparatus and wiring.
6. Never start the machine until all quick-connect hose connections are checked to see that they are in a locked position.
7. Always use a clean water source and an accessory water filter.
8. Always start the machine with water supplied. Dry running will cause serious damages to the seals.
9. Always keep hands and feet clear of the cleaning nozzle.
10. Always set the Spray gun trigger is on lock position when the gun is not in use.
11. Always relieve the pressure in the system before maintenance or uncoupling hoses.
12. WARNING! Risk if explosion - Do not spray flammable liquids.

