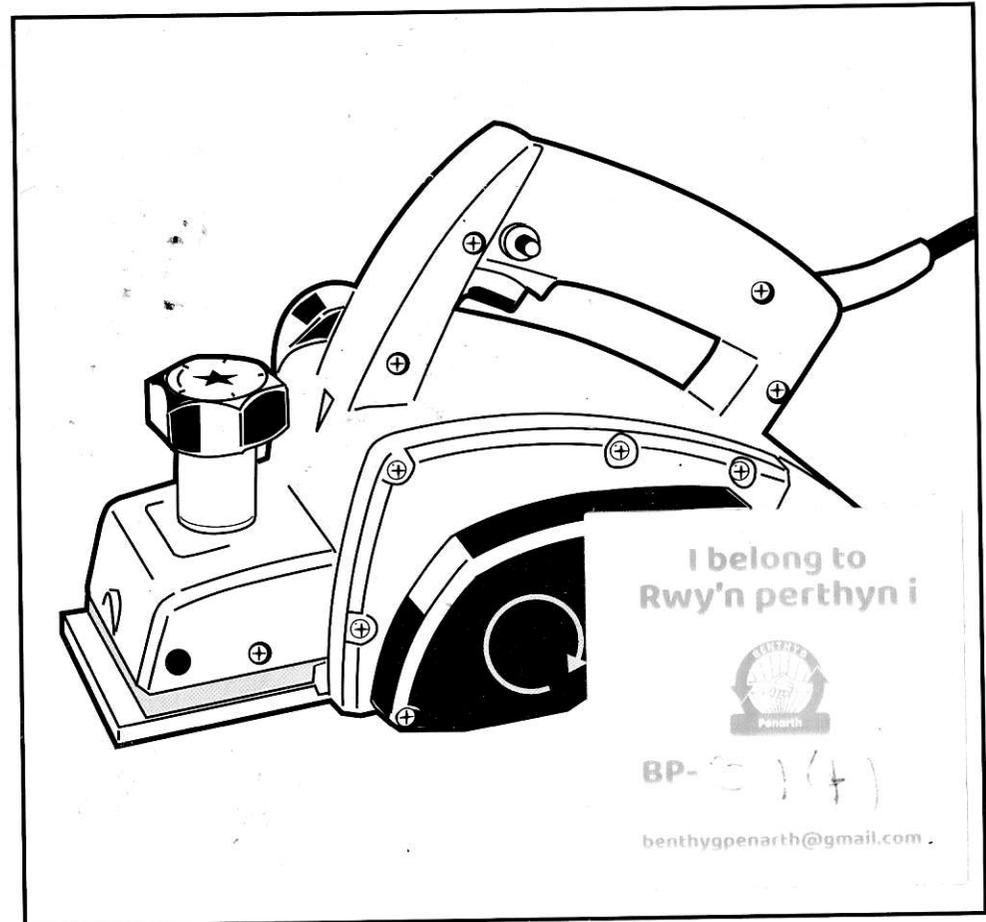




Electric Planer

710/2358 MP 2358



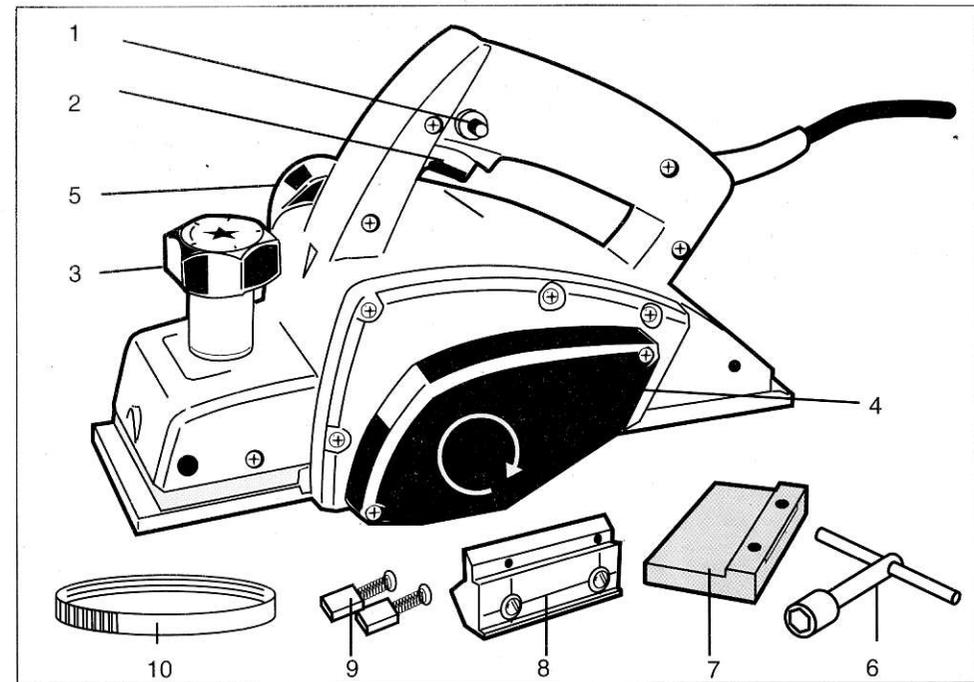
If faults cannot be remedied, contact the **Helpline** on **01372-747204**

Safety Instructions

To ensure safe operation when using your Challenge Electric Planer, make sure you follow basic safety principles to reduce risk of personal injury, electric shock, and fire. Please read the following instruction prior to operating this product and keep for future use.

- 1 Beware Children**
Do not let children handle the tool. All onlookers should be away from your work area.
 - 2 Guard Against Electric Shock**
Keep the tool clear of the cable while working. Do not work on or near "live" equipment or services.
 - 3 Work Environment**
Do not use the tool in damp or wet areas. Do not use near flammable gases or liquids.
 - 4 Personal Safety**
For your own safety, wear safety glasses or goggles. Tie back long hair. Use ear protectors especially in confined areas. Keep fingers, etc. clear of the blade whilst in motion.
 - 5 Clothing**
Avoid wearing loose clothing or jewellery to prevent these being caught in moving parts.
 - 6 Do not force the tool**
It will do a better job and safer at the rate for which it was intended
 - 7 Look after the tool**
When not in use store in a dry, high place or keep locked up out of children's reach. Use the tool only for its intended purposes.
 - 8 Protect the Cable**
Do not carry the tool by the cable or pull the cable to remove the plug from the mains socket. Protect the cable from sharp objects, heat and oil; have it replaced if damaged.
 - 9 Check Before Use**
Always ensure that the tool and cable are not damaged.
 - 10 Maintain tools with care**
Inspect tool cord and extension leads periodically for damage, if damaged have repair carried out by an authorised dealer.
 - 11 Disconnect Tools**
When not in use or changing the blades always disconnect from mains supply.
 - 12 Avoid unintentional starting**
Ensure switch on tool is off before plugging in.
 - 13 Do not use tool when tired**
 - 14 Check that tool is not damaged.**
Before use check there is no damage to tool, if in doubt have tool checked over by an authorised dealer.
 - 15 Repairs**
Always have repairs carried out by a qualified person for your safety.
- Important note**
 **Remove the mains plug from socket before carrying out any adjustment or servicing.**
- Important additional safety notes for your Electric Planer**
- 16 Do not use damaged or worn blades. Use only sharp blades.**
 - 17 Always wait for complete run down before putting the planer aside.**
 - 18 Regularly check the three bolts on the blade assembly, loose bolts could result in damage to work or injury.**
 - 19 Where possible clamp work securely.**
 - 20 Keep planer flat against work at all times.**
 - 21 Keep the planer moving forward at all times.**
 - 22 Maintain constant pressure on the front and rear of planer.**
 - 23 Do not run the machine with any part of the casing missing or damaged.**
 - 24 Do not start the planer when the blade is in contact with the workpiece.**

Electric Planer - Components and Operation.



Component List

- 1 Lock button
- 2 On/off switch
- 3 Cut depth adjustment knob
- 4 Drive belt cover
- 5 Dust extractor outlet

6 Socket wrench

7 Gauge Base

8 Sharpening Holder

9 Spare carbon brushes.

10 Spare Belt

Technical Specifications

Voltage	230 V ~ AC
Wattage	600W
No load speed	15000 RPM
Planing Width	82 mm
Planing Depth	2 mm
Noise emission	86.2dB (A) (pressure) 99.2dB (A) (power)
Vibration	2.63m/s ²

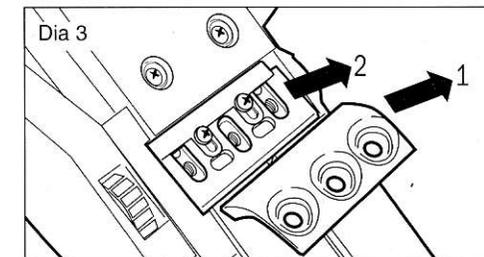
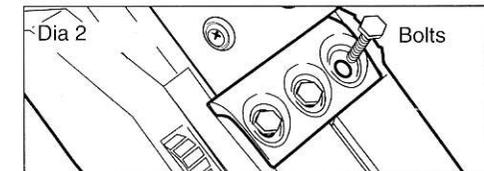
Rated operating time: on for 30 mins
off for 30 mins

OPERATION INSTRUCTIONS

Removing or installing planer blades

Caution: Always be sure that the tool is switched off and unplugged before removing or installing the blade.

To remove the blades on the drum, unscrew the three installation bolts with the socket



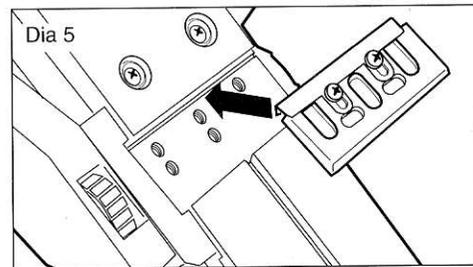
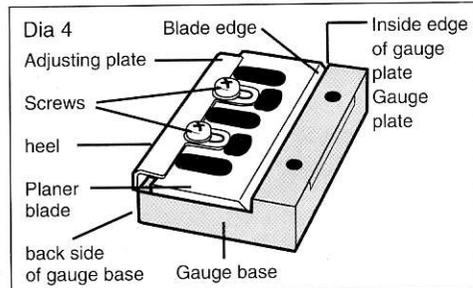
wrench, see dia 2. Remove the drum cover first then remove the blade. Repeat for other

Electric Planer - Operation and Maintenance.

side, see dia 3.

To install the blades, first clean out all chips or foreign matter adhering to the drum or blades. Use blades of the same dimensions and weight, or drum oscillation/vibration will result, causing poor planing action and, eventually, tool breakdown. The removed blades must now be set accurately before being replaced in planer.

Loosen the two cross head screws on the adjusting plate, place the blade on the gauge base so that the blade edge is perfectly flush with the inside edge of the gauge plate. Place the adjusting plate on the blade, then simply press in the heel of the adjusting plate flush with the back side of the gauge plate and tighten the two cross head screws, see dia 4. The blades can now be replaced into



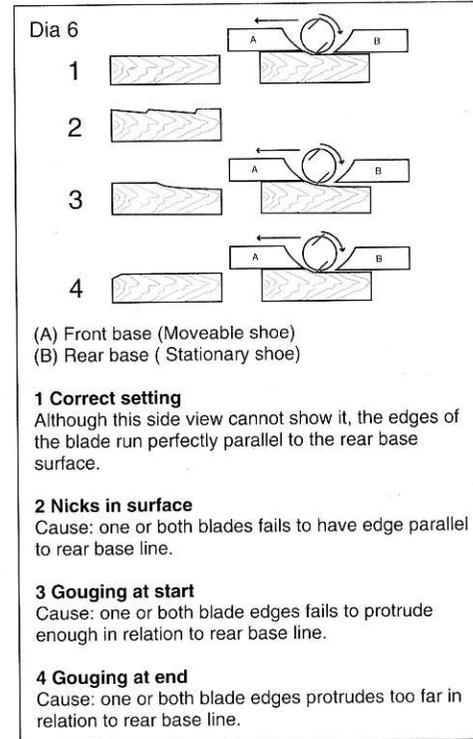
the planer. Slip the heel of the adjusting plate into the groove in the drum of the planer, see dia 5, then fit the drum cover. Tighten the three installation bolts evenly and alternately with the socket wrench.

Caution:

Tighten the blade installation bolts carefully when attaching the blades to the tool. A loose installation bolt can be dangerous. Always check to see they are tightened securely.

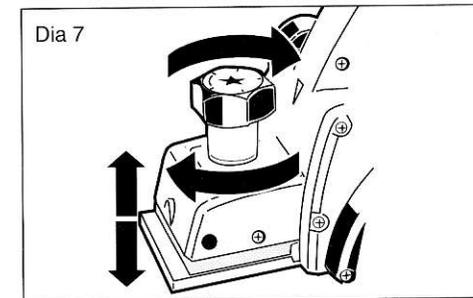
Correct planer blade setting

Your planing surface will end up rough and uneven, unless the blade is set properly and securely. The blade must be mounted so that the cutting edge is absolutely level, that is, parallel to the surface of the rear base. Below are some examples of proper and improper settings.



Adjusting depth of cut

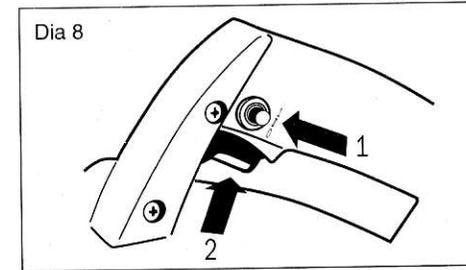
Depth of cut may be adjusted by simply turning the knob on the front of the tool, see dia 7.



Electric Planer - Operation and Maintenance.

Switch operation

To start the tool, firstly press in the switch lock button, then pull the on/off switch, see dia 8. Release the switch to stop.

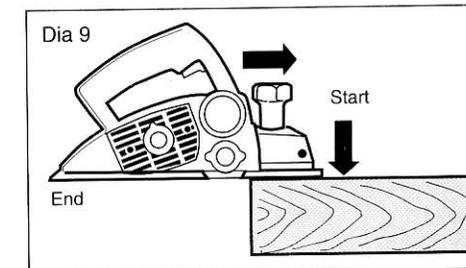


Caution:

Before plugging in the tool, always check to see that the trigger switch actuates properly and returns the "OFF" position when released.

Planing operation

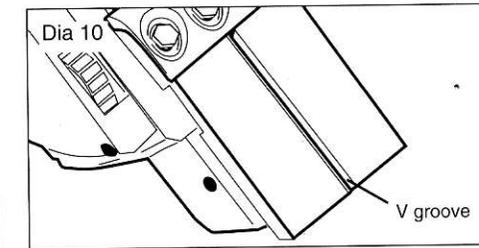
First, rest the tool front base flat upon the workpiece surface without the blades making any contact. Switch on and wait until the blades attain full speed. Then move the tool gently forward, see dia 9.



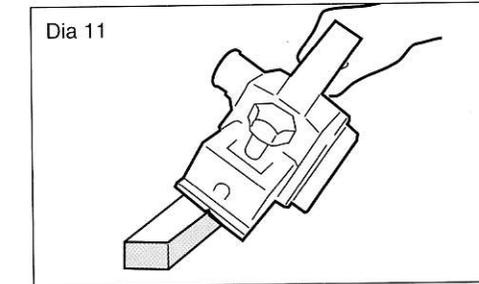
Apply pressure on the front of tool at the start of planing, and at the end of planing. Planing will be easier if you incline the workpiece in stationary fashion, so that you can plane downhill. The speed and depth of cut determine the kind of finish. The power planer keeps cutting at a speed that will not result in jamming by chips. For rough cutting, the depth of cut can be increased, while for a good finish you should reduce the depth of cut and advance the tool more slowly.

Chamfering

To make a cut as shown at the right, align the "V" groove (see dia 10) in the front base



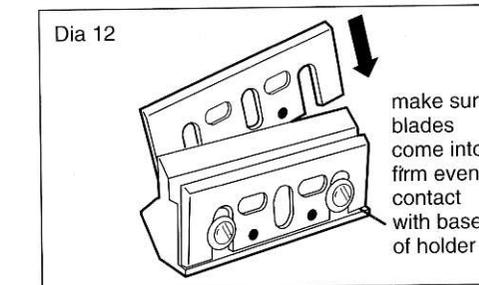
with the edge of the workpiece and plane it as shown, see dia 11.



Sharpening planer blades

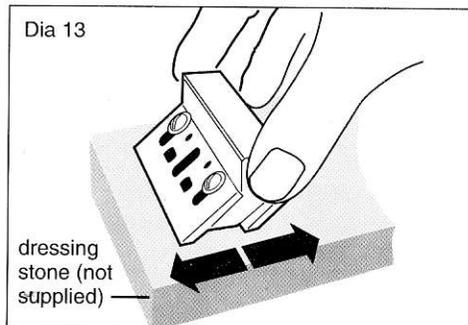
Always keep your blades sharp for the best performance possible. Use the sharpening holder to remove nicks and produce a fine edge.

First, remove both blades from the planer then remove the two adjusting plates from the blades, loosen the four screws on the holder and insert the blades into the holder with the chamfer of the blades matching the chamfer of the holder so that they firm contact the base of the holder. Then tighten the screws, see dia 12. Immerse the dressing stone (not supplied)



Electric Planer - Maintenance.

in water for 2 or 3 minutes before sharpening. Hold the holder so that the blades both contact the dressing stone for simultaneous sharpening at the same angle, see dia 13.



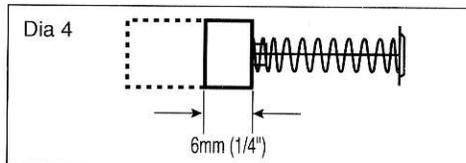
Maintenance

Caution:

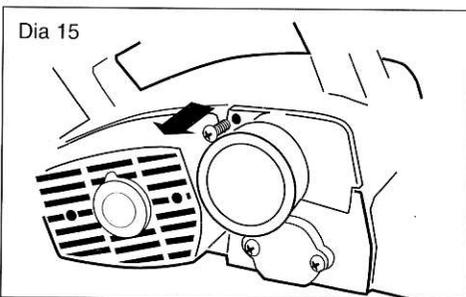
! Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Replacing carbon brushes

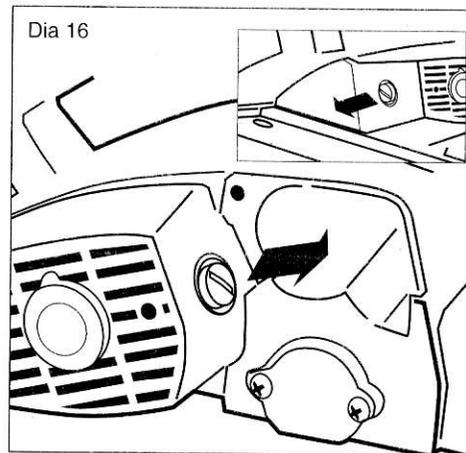
If the planer is starting to run slowly or erratically the brushes may need replacing.



Remove and check the carbon brushes regularly. Replace when they wear down to about 6mm (1/4") or less, see dia 14. Keep the carbon brushes clean and free to slip in



the holders. Both carbon brushes should be replaced at the same time.

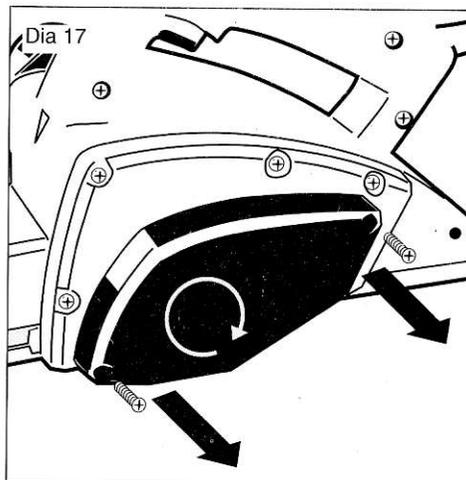


Use a screwdriver to remove the chip cover, see dia 15

Use a screwdriver to remove the two brush holder caps. Take out the worn carbon brushes, insert the new ones and secure both brush holder caps, see dia 16.

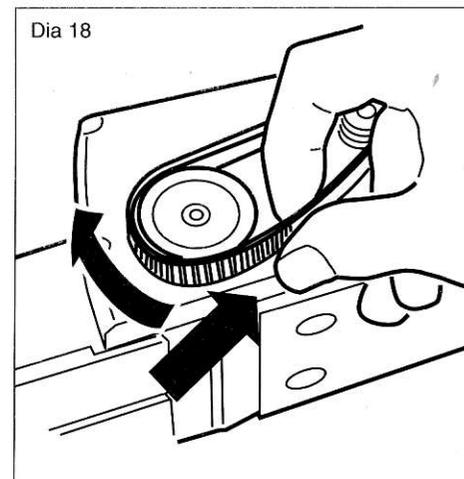
Drive belt replacement

A spare drive belt is supplied with your planer. If belt should require replacement, firstly switch off and unplug the mains supply lead then remove the drive belt



Electric Planer - Maintenance and Troubleshooting.

cover. To do this remove the two cross head screws and take off cover, see dia 17. To remove drive belt, pull firmly outwards and upwards at the same time rotate the V-



pulley, the belt will slowly come off groove, see dia 18. To replace drive belt, firstly place belt over the small v-pulley and over the bottom of the large v-pulley. Push the belt into the bottom of the large pulley and at the same time rotate the large v-pulley. The belt will easily be guided onto the pulley. Replace drive belt cover and screws.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by 'Authorised' or Factory Service Centres.

TROUBLESHOOTING

Planer will not start

Check plug and fuse. Check mains supply. Check brushes, see page 5 for details.

Planer runs slowly

Remove mains plug and check for debris in and around cutting blades. Check brushes, see page 5 for details.

Planer cuts unevenly/badly

Check blade adjustment, see page 4. Check that blades are sharp and free from nicks and damage. See pages 5 and 6 for details.

If faults can not be remedied return to an authorised dealer for repair.

Plug fitting

Plug Fitting

Your Planer 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:

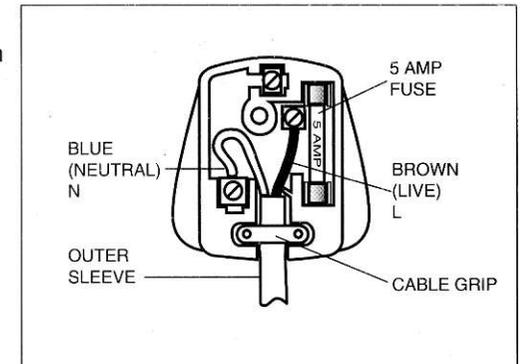
Blue - Neutral Brown - Live

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.

If a 13 Amp (BS 1363) Plug is used, a 5 Amp Fuse must be fitted, or if any other type of plug is used a 5 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 faults cannot be remedied, contact the Helpline on 01372-747204 for details of service/repair arrangements.

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 below for advice. This product is not guaranteed for HIRE purposes.

Challenge Tools.
UNIT 2 30 WEST HILL EPSOM SURREY KT19 8JD