

WARRANTY CARD



Planet Power Tools Pvt. Ltd.

Name of Purchaser

Address

Product **PLANER**

Model No **PHP1-82**

Sl. No..... Date of Purchase

Invoice No..... Armature No

Dealers Stamp _____

Signature

Planet Power®

Global Expertise. Local Care

PLANER

PHP1- 82

HANDLING INSTRUCTIONS



Read, Understand Carefully & Follow These Instructions While Operating Tool.

India's Leading Power Tool Brand

Manufactured and Marketed by :

PLANET POWER TOOLS PVT. LTD.

GIDC Ind. Estate, P.O. Kabilpure, Navsari - 396424, Gujarat.

For Customer Care Number : (022) 4067 6105.

E_mail : mumbai@planetpowertools.com

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WARRANTY

CONGRATULATIONS; YOU ARE NOW A PROUD MEMBER OF THE PLANET POWER PARIVAR

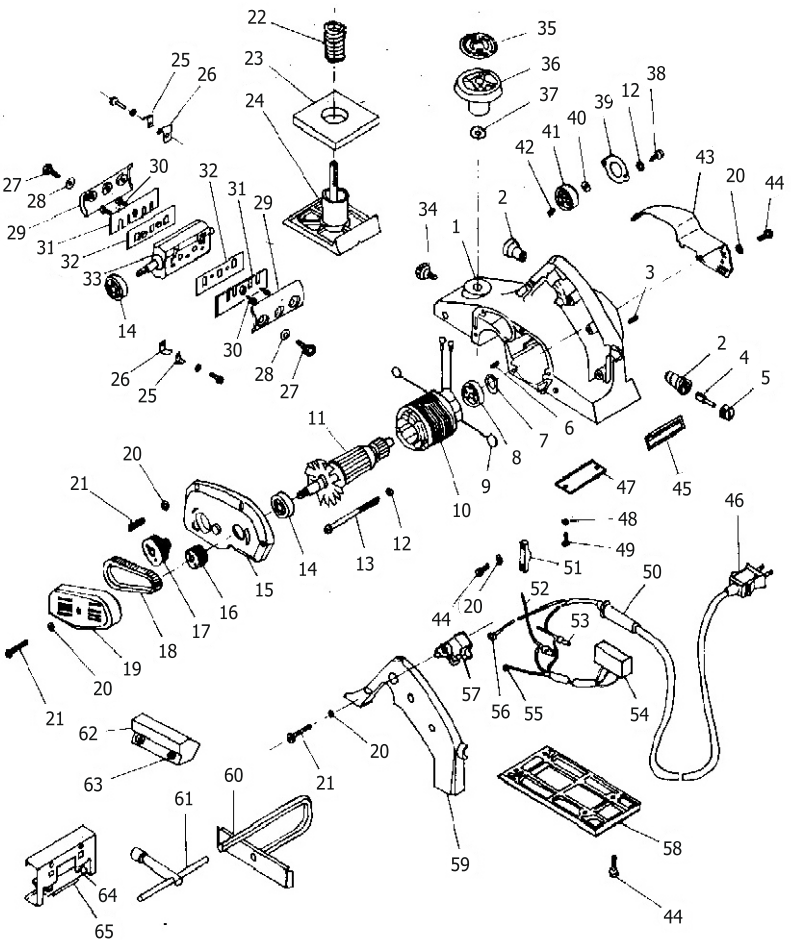
All the tools manufactured by Planet Power Tools Pvt Ltd undergo a series of rigorous inspection procedures ensuring that you only get a world class power tool.

All Products manufactured by Planet Power Tools Pvt. Ltd. are covered by an international warranty valid for six (6) months from the date of purchase. This comprehensive warranty® covers the parts as well as defects arising out of faulty manufacturing of the tool.

®The Warranty **DOES NOT** apply to:

- Components subject to normal wear and tear e.g. Carbon Brushes, Brush holders, plug and cord assembly, drill chucks batteries, flanges etc.
- Unless expressly stated; any and all attachments supplied with the tool.
- Unauthorised repairs, alterations and modifications.
- Damage caused due to dust, slurry, and any foreign objects as well as due to improper use or an accident
- Damage due to voltage fluctuations

PHP1-82



II. USE

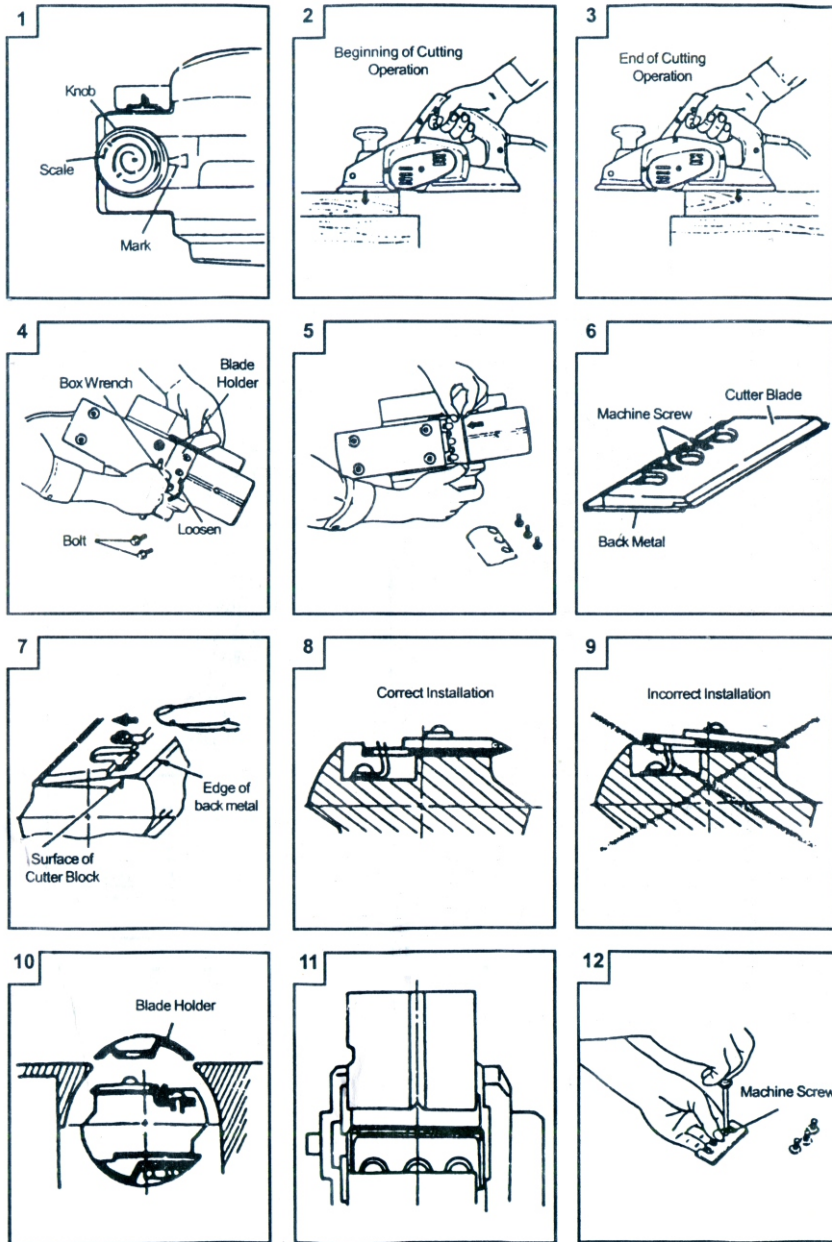
- a) Proper voltage power source, according to the specification.
- b) Extension cords which are intended for outdoors, during outdoor use.
- c) Clamps or vise to hold work.
- d) Safety glasses.
- e) Protective hair covering.
- f) Wear rubber hand gloves.
- g) Wear Non-skid rubber footwear.
- h) Only diamond wheel cutter.
- i) Only original PLANET POWER spares.

III. CHECK / ENSURE

- a) Power switch is in OFF position, prior to operation.
 - b) The motor winding does not become damaged / wet with oil or water.
 - c) Regularly inspect all mounting screws and ensure they are properly tightened.
 - d) Alignment of moving parts.
 - e) Binding of moving parts.
 - f) Breakage of mountings.
 - g) The Carbon brush wear limit.
1. Dust collection hole used for collecting cutting dust. The dust collector is available as an option. Optional accessories are subject to change without notice.
 2. When cutting the material which generates cutting dust, use the dust collection hose (option) as follows.
 - 1) Remove the cap from the body.
 - 2) Insert the hose bracket into the hose hole and secure with a (-) screw driver.
 - 3) Connect the other end of the hose to the dust collector (Fig.3)
- 3. Never carry tool by cord.**
4. Power tools should be stored in cool and dry area.
 5. Inspect tool cords / extension cords periodically.
- 6. Start cutting operation when full speed has been reached.**
7. Do not touch moveable parts or accessories, unless the power source has been disconnected.
 8. Disconnect tools when servicing and changing accessories.
- 9. Remove adjusting keys, wrenches before turning it ON.**
10. Always take care in preventing the power cord from coming in contact with revolving HSS blade.
 11. Keep children away, during operation.

PART LIST

ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
1	Housing Ass'y	34	Stopper Screw
2	Brush holder	35	Scale
3	Slotted Set Screw	36	Knob
4	Carbon Brush	37	Washer M10
5	Brush Cap	38	Screw ST4.2x9.5
6	Bearing lock	39	Bearing Cover
7	Washer	40	Thrust Washer
8	Ball Bearing 627zz	41	Ball Bearing 6000-2Z
9	Brush Terminal	42	Bearing Lock
10	Stator	43	Tail Cover
11	Armature	44	Screw ST4.2x13
12	Spring Lock Washer	45	Name Plate
13	Tapping Screw	46	Cord Ass'y
14	Ball Bearing 6200zz	47	Plate
15	End Bracket	48	Washer
16	Pulley Small	49	Screw ST4.2x16
17	Pulley Big	50	Cord Armor
18	Belt	51	Cord Clip
19	Belt Cover	52	Internal Wire Ass'y
20	Washer	53	Connector
21	Screw ST	54	Capacitor
22	Spring	55	Terminal
23	Rubber Packing	56	Terminal
24	Front Base	57	Switch
25	Holder Spring	58	Rear Base
26	Guard Plate	59	Handle Cover
27	Bolt	60	Guide Ass'y
28	Washer	61	Box Wrench
29	Blade Holder	62	Blade Sharpening Ass'y
30	Screw	63	M Screw
31	Blade	64	Plate
32	Back metal	65	Set Gauge Ass'y
33	Cutter Block		



procedured. Flatten the upper surface of the grinding stone as frequently as possible.

MAINTENANCE AND INSPECTION

1. Inspecting the cutter blades : Continued use of dull or damaged cutter blades will result in reduced cutting efficiency and may cause overloading of the motor. Sharpen or replace the cutter blades as often as necessary.
2. Handling

CAUTION :

The front base, rear base, and cutting depth control knob are precisely machined to obtain specifically high precision. If these parts are roughly handled or subjected to heavy mechanical impact, it may cause deteriorated precision and reduce cutting performance. These parts must be handled with particular care.

3. Inspecting the Mounting screws : Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.
4. Inspecting the carbon brushes : (Fig.20) The motor employs carbon brushes that are consumable parts. Since an excessively worn carbon brush could result in motor trouble, replace the carbon brush with a new one when it becomes worn out or near the "wear limit". In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.
5. Replacing a carbon brush : After removing the tail cover, use a screw driver to disassemble the brush holder. The carbon brush can then be easily removed.
6. Maintenance of the motor : The motor unit winding is the heart of the power tool. Exercise due care to ensure the winding does not become damaged and / or wet with oil or water.

NOTE

Due to **Planet Power** continuing program of research and development, the specifications herein are subject to change without prior notice.

GENERAL OPERATIONAL PRECAUTIONS

I. DON'T USE / EXPOSE

- a) In presence of flammable liquids or gases.
- b) For cutting of metallic materials.
- c) To the rain.
- d) In damp or wet locations.
- e) If switch does not turn ON and OFF.
- f) Cutting along curves.
- g) Diamond wheel such as crack, broken, or bent.
- h) Solvents such as Thinner, Gasoline, Benzene, Alcohol, Ammonia etc. for wiping / cleaning the plastic parts or accessories.

CAUTION

- * As the set gauge has been accurately factory adjusted, never attempt to loosen it.
- 1) After attaching the back metal to the cutter blade, temporarily fasten them together with machine screws, as shown in Fig. 12.
 - 2) Insert the set gauge plate spring into the hole on the back metal firmly push the plate spring in the direction indicated by the arrow in Fig.13 until snaps into the correct position.
 - 3) Holding the set gauge with the blade edge facing downward as shown in Fig 14. loosen the temporarily fastened machine screws and lightly push the cutter blade with a thumb until the cutter blade gently touches plate (C).

CAUTION

- * Do not push the blade with excessive pressure. Excessive pressure could cause adjustment of the blade height.
- 4) Finally, retighten the machine screw to securely fasten the cutter blade and the back metal, thereby completing the blade height adjustment procedure.
 - 5) Holding the set gauge as shown in Fig.15, push upward on the back metal and remove it from the set gauge.
 - 6) The cutter blade is now ready to be mounted on the planer as described in the section on cutter blade assembly.

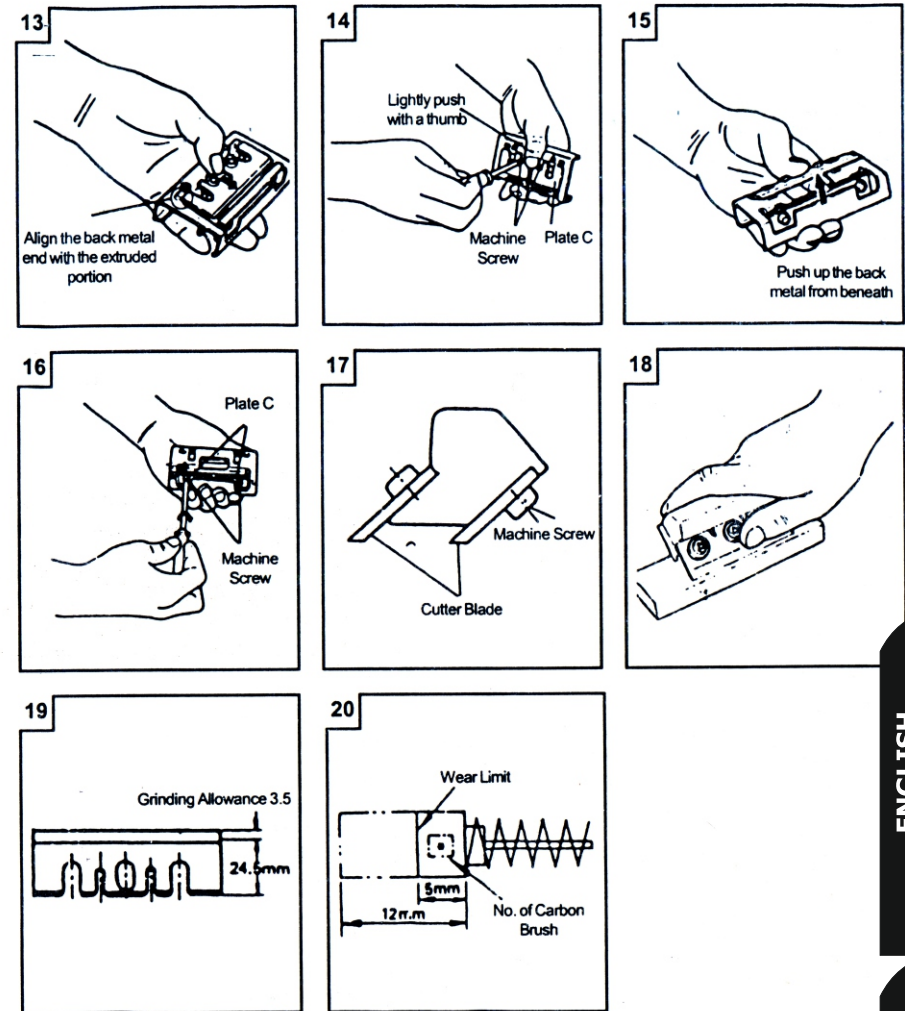
CAUTION

- * When Plate (C) becomes worn after extensive use, the cutter blade may excessively protrude from the rear base bottom plate. In such an instance, the set adjust the set gauge, turn the machine screws clockwise with a screwdriver as illustrated in Fig.16 Each $\frac{1}{4}$ turn of the machine screw will move plate (C) forward in the direction indicated by the arrow by 0.2mm.

SHARPENING THE CUTTER BLADES

Use of the accessory Blade Sharpening Assy's is recommended for convenience.

- 1) Use of the blade sharpening Ass'y. As shown in Fig.17, two blades can be mounted on the blade sharpening ass'y to ensure that the blade tips are ground at equal angles. During grinding, adjust the position angles, of the cutter blades so that their edges simultaneous contact the grinding stone as shown in Fig.18.
- 2) Cutter blade sharpening intervals : cutter blade sharpening intervals depend on the type of wood being machined and the cutting depth. However, sharpening should generally be effected at every 500 metres of cutting operation.
- 3) Grinding allowance of the cutter blades : As illustrated in Fig.19 a grinding allowance of 3.5mm is provided for on the cutter blade. That is, the cutter blade can be repeatedly sharpened until its total height is reduced to 24.5mm.
- 4) Grinding stone : When a water grinding stone is available, use it after dipping it sufficiently in water since such a grinding stone may be worn during grinding



Technical Data

Power Input	750 W
No-Load Speed	1500 RPM
Cutting Width	82 mm
Max. Cutting Depth	1 mm
Voltage	230 V
Weight (Without Cord)	2.5 kg.

STANDARD ACCESSORIES

1. Box Wrench (for securing cutter blade)..... 1
2. Set Gauge ass'y (For adjusting cutter height).... 1
3. Guide Ass'y (with setscrew) 1
4. Blade sharpening Ass'y 1

Standard accessories are subject to change without notice.

APPLICATIONS :

1. Planning various wooden planks and panels.
2. Ensure that the power switch is in the OFF position. If the plug is connected to a poert receptacle while the power tool will start operating immediately inviting serious accidents.
3. extension cord : When the work area is distant from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.
4. Prepare a stable wooden workstand suitable for planning operation. As a poorly balanced workstand creates a hazard. Ensure it is securely positioned on firm level ground.

PLANNING PROCEDURES

1. Adjusting the cutter dept :
 - a) Turn the knob in the direction indicated by the arrow in Fig. 1 (clockwise), until the triangular mark is aligned with the desired cutting depth on the scale. The scale unit is graduated in millimeters.
 - b) With EHP1 the cutting depth can be adjusted a range of 0-1mm.
2. Surface cutting :

Rough cutting should be accomplished at large cutting depth and at a suitable speed so that shavings are smoothly ejected from the machine. To ensure a smoothly finished surface, the finish cutting should be accomplished at a small cutting depth and at low speeds.
3. Beginning and ending the cutting operation :

As shown in Fig. 2 place the front base of the planer on the workpiece and support the planer horizontally. Turn ON the power switch, and slowly operate the planer towards the leading edge of the workplace. Firmly depress the front half of the planer at the first stage of cutting and, as shown in Fig.3, depress the rear half of the planer at the end of the cutting operation. The planer must always be kept flat throughout the entire cutting operation.

4. Precaution after finishing the planning operation:

When the planer is suspended with one hand after finishing the planning operation, ensure that the cutting blades (base) of the planer do not contact or come too near your body. Failure to do so could result in serious injuries.

Cutter blade assembly and disassembly and adjustment of cutter blade height

1. Cutter blade disassembly.

- a) As shown in Fig.4, use the accessory box wrench to withdraw the three bolts used to retain the cutter blade, and remove the cutter blade holder.
- b) As shown in Fig.5, slide the rear side of the cutter blade in the direction indicated by the arrow to disassembly the cutter blade.

CAUTIONS

- * Be careful not to injure your hands.
- * It is not necessary to disassembly the back metal from the cutter blade (see Fig.6)
- * Disassembling the back metal from the cutter blade is to be made only while grinding the cutter blade.

2. Cutter blade assembly.

CAUTION

- * Prior to assembly, thoroughly wipe off all swarf accumulated on the cutter blade.
- 1) Turn the cutter block flat surface sideways, and assemble the adjusted cutter blade as shown in Fig.7. Ensuring that the leaf spring on the cutter block is correctly fitted to the hole on the rear plate, push the back of the cutter blade with a fingertip in the direction indicated by the arrow, until the edge of the back surface. Correct installation is illustrated in Fig.8.
 - 2) Place the blade holder on the completed assembly, as shown in Fig. 10, and fasten it with three bolts. Ensure that the bolts are securely tightened.
 - 3) Turn the cutter block over, and set the other side in the same manner.

3. Adjustment of cutter blade height :