

WARRANTY CARD



Planet Power Tools Pvt. Ltd.

Name of Purchaser

Address

Product: **CIRCULAR SAW**

Model No. **PCS 7**

Sl. No. Date of Purchase

Invoice No. Armature No.

Dealers Stamp _____

Signature

PCS 7

CIRCULAR SAW 190MM

INDUSTRIAL

HANDLING INSTRUCTIONS



Hammer Series

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

India's Leading Power Tool Brand



Global Expertise. Local Care

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



WARRANTY

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

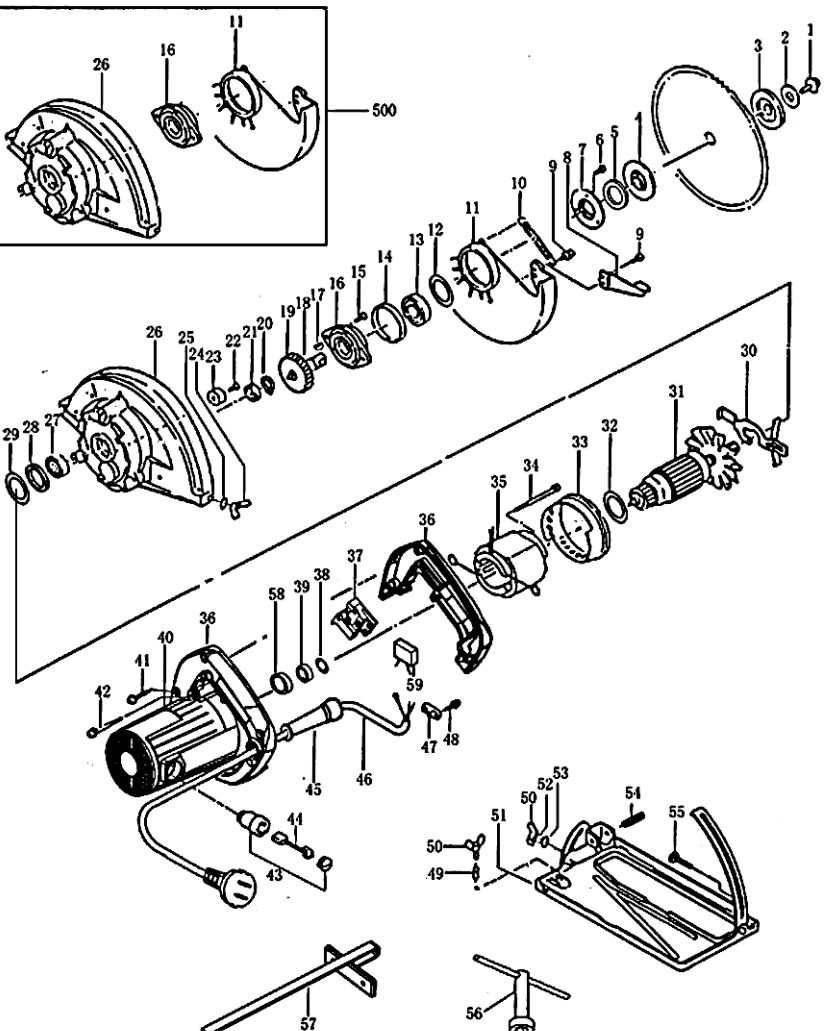
All the tools manufactured by Planet Power Tools Pvt Ltd undergo a series of rigorous inspection procedures ensuring that you only get a world class power tool.

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 any 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, bearings, 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

PCS 7



use the supplied wrench.

- Before connecting the power plug, check that the lock lever is returned to its original position and the saw blade rotates smoothly.

MAINTENANCE AND INSPECTION

1) Inspecting the saw blade

Since use of dull saw blade will cause motor malfunctioning and degraded efficiently, replace with a new one without delay if abrasion is noted.

2) Inspecting the mounting screws

Regularly inspect all mounting screws & ensure that they are properly tightened. Should any of the screws be loosened, retighten them immediately. Failure to do so could result in serious hazard.

3) Maintenance of the motor

The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

4) Inspecting the carbon brushes

The motor employs carbon brushes which 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 to or near the "wear limit". In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

Replacing a carbon brush

Disassemble the brush cap with a minus head screwdriver. The carbon brush can then be easily removed.

5) Inspecting safety cover functioning and its maintenance

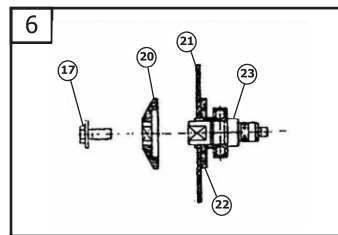
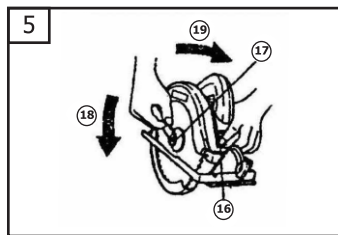
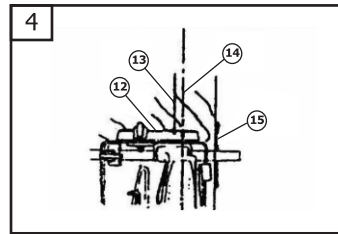
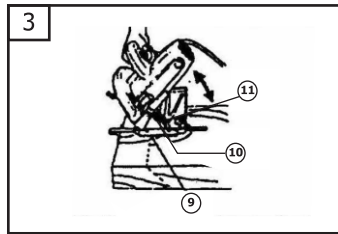
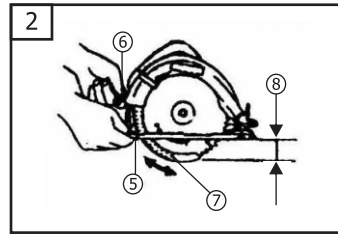
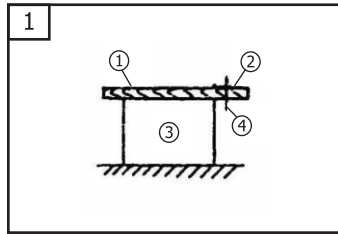
Carefully maintain the safety cover so that it remains capable of smoothly functioning. Completely remove sawdust deposited around the rotary portion of the safety cover and then apply spindle oil to its sliding section at attain better functioning.

NOTE :

Due to PLANET POWER continuing program of research and development, the specifications herein are subject to change without prior notice.

PART LIST

Sr. No.	DESCRIPTION	Sr. No.	DESCRIPTION
1	Outer Hex Socket Head Screw	31	Armature
2	Washer	32	Insulation Washer
3	Outer Flange	33	Fan Guide
4	Inner Flange	34	Self-tapping Screw
5	Washer	35	Stator
6	Pan Head Screw	36	Housing+handle Cover
7	Bearing Plate	37	Switch
8	Joystick	38	Shim
9	Pan Head Screw	39	Bearing 608zz
10	Spring	40	Nameplate
11	Movable Guard	41	Self-tapping Screw
12	Shim	42	Pan Head Screw
13	Bearing 6202 RZ	43	Brush Holder And Holder Cap
14	Steel Cover	44	Carbon Brush
15	Machine Screw	45	Cord Armor
16	Bearing Holder	46	Cord
17	Woodruff Key	47	Cord Clamp
18	Spindle	48	Self-tapping Screw
19	Gear	49	Spring
20	Retaining Ring	50	Wing Bolt
21	Bearing 626zz	51	Baseplate
22	Machine Screw	52	Elastic Washer
23	Rubber Elastic Pillar	53	Flat Screw
24	Wing Nut	54	Roll Pin
25	Washer	55	Screw
26	Gear Cover	56	Box Wrench
27	Bearing 6001zz	57	Guide Gauge
28	Rubber Ring	58	Bearing Cover
29	Shim	59	Capacitor
30	Locking Lever	500	Gear Box Set (3pcs)



1	Lumber	12	Guide Piece
2	Base	13	At 45 Inclined
3	Work bench	14	When not Inclined
4	Saw Blade	15	Guide
5	Base	16	Depress the lock lever
6	Wing Nut	17	Bolt
7	Scale Mark	18	Loosen
8	Amount Blade Protrudes	19	Tighten
9	Cutting Position at 45°	20	Washer (A)
10	Wing Bolt	21	Saw Blade
11	Scale	22	Washer (B)
		23	Spindle

2. Adjusting the angle of inclination

By loosening the wing bolt at the scale, the saw blades can be tilted up to the maximum angle of 45 by adjusting the base. (Fig 3). The angle of inclination can also be regulated by loosening the wing bolt at the scale (Fig.3)

3. Regulating the guide

The cutting position can be regulated by moving the guide to the left or right after loosening its wing bolt.

The guide can be mounted on either the left or the right sides.

CUTTING PROCEDURES

1. Place the saw, body (base) on the lumber and align the marking-off line with the saw blade at the guide piece. (Fig. 4)
2. Turn ON the switch before the saw blade contacts the lumber. The switch is turned ON when the lumber..... The switch is turned OFF when the trigger is released.

Cautions :

- Before starting to saw, confirm that the saw blade has attained full-speed revolution.
- Should the saw blade be stopped or made an abnormal noise while operating, promptly turn OFF the switch.
- Always take care in preventing the power cord from coming near to the revolving saw blade.
- Using the circular saw with the saw blade facing upwards or sideways is very hazardous. Such uncommon applications should be avoided.
- When cutting material always wear eye protection.
- When finished a job, disconnect the plug from the power receptacle.

MOUNTING AND DISMOUNTING THE SAW BLADE

Caution:

To avoid serious accident, ensure that the switch is in the OFF position, and the power source is disconnected.

1. Dismounting the saw blade

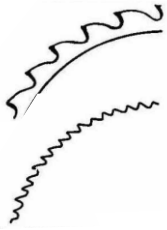
- 1) Set the cutting depth to maximum and place the circular saw on a stable place (Fig.5)
- 2) Keeping the lock lever depressed, carefully turn the bolt with the supplied wrench.
- 3) When the saw shaft is fixed, turn the wrench counter clockwise to remove bolt and washer (B).
- 4) While gripping the safety cover knob, retract the safety cover into the saw cover and take out the saw blade.

2. Mounting the saw blade.

- 1) Install the saw blade in the reverse order to removal.
- 2) Wipe off the swarf from the spindle, washer, etc.
- 3) Install the saw blade on 20 mm diameter of washer (A), install the washer (B) so that groove faces towards the saw blade (Fig. 6)
- 4) Tighten the bolt (17) security.

Cautions :

- If a wrench other than the one supplied is used the bolt cannot be tightened correct. Always



Saw Blade for aluminium

Application : Cutting thin aluminium sheets
Size : 185mm external diam. X 1.25mm thickness

Super Polynet Saw

Application : Cutting non-metallic materials such as slate, gypsum board, cemented excelsior board, etc
Size : 150mm external diam. X 1.7mm thickness

PRIOR TO OPERATION

1) Power source

Ensure that the power source to be utilized conforms to the power requirements specified on the product name plate.

2) Power Switch

Ensure that the power switch is in the OFF position. If the plug is connected to a power receptacle while the power switch is in the ON position, the power tool will start operating immediately, inviting serious accident.

3) Extension cord

When the work area is removed 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 wooden workbench (Fig.1)

Since the saw blade will extend beyond the lower surface of the lumber, place the lumber on a workbench when cutting. If a square block is utilized as a workbench, select level ground to ensure it is properly stabilized. An unstable workbench will result in hazardous operation.

Caution :

To avoid possible accident, always ensure that the portion of lumber remaining after cutting is securely anchored or held in position.

ADJUSTING THE POWER TOOL PRIOR TO USE

1. Adjusting the cutting depth (Fig.2)

- Loosen the wing nut (Cut adjustment) and adjust the base raising it up or down as needed. When adjustment is completed, tighten the wing nut securely in place.
- When the base and saw blade are perpendicular to each other, you can adjust the cutting depth by using the scale marks on the protective cover for instance, by aligning it with the 45 scale mark on the bottom side, the cut made by the blade will be 45mm.

The scale marks are arranged in 3mm.

There are two different types of scale marks. One is for a saw blade (outer diameter) of 185mm saw blade, and the other is for a 190mm saw blade. The scale marks for the 180mm are on the inner side. The scale marks for the 190mm blade are on the outer side.

Note : when you want to accurately find the depth of the cut, use the scale mark as a reference and measure how far the saw blade protrudes. Do not try to use this scale mark if cutting with the saw blade and base at an angle.

Caution :

Should this wing nut remain loosened, it will create a very hazardous situation. Always thoroughly tighten it.

Technical Data

Input Power	: 1200 W
Voltage	: 230 V~
Frequency	: 50Hz
No Load Speed	: 4900 rpm
Blade Diameter	: 185 mm
Blade Bore	: 20 mm
Cut Depth at 90°	: 62 mm
Cut Depth at 45°	: 49 mm
Weight	: 3.9 kg.

GENERAL OPERATIONAL PRECAUTIONS

WORK AREA SAFETY

- Always keep your work area clean & well lit.** Cluttered benches and dark areas invite accidents.
- Don't use these products in damp or in wet locations. Do not expose the power Tool to high humidity and rain.** Do not operate Power Tool in presence of flammable liquids, gases & dust. The open carbon brushes of the power tool create sparks, which may ignite flammable liquids, gases, dust & fumes.
- Always keep by-standers, children and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- This tool is double insulated. Do not plug extra wire.** (Applicable only to Class II (double insulated tools). Do not use any adaptor plugs. Check with a qualified electrician if you are in doubt. Before plugging on the tool, be certain the outlet voltage supplied is within the voltage marked on the nameplate.
- Always avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- If operating the power tool in damp locations is unavoidable, a Ground Fault Circuit Interrupter must be used to supply the power to your tool. Use Electrician's rubber gloves and footwear to further enhance your personal safety in damp conditions.
- Do not expose power tools 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 to carry the tools or to pull the plug. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

PERSONAL SAFETY

- Do not touch any moving parts when the machine is running.
- Always stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

3. **Always dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing and gloves away from moving parts.** Loose cloths, jewelry or long hair can be caught in moving parts. Keep handles dry, clean and free from oil and grease. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hairs.
4. **Always avoid accidental starting. Be sure switch is "OFF" before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch "ON" position invites accidents.
5. **Always remove adjusting keys or wrenches before switching the tool "ON".** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
6. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
7. Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hardhat, or hearing protection must be used if the sound level exceeds 85 dB (A).

TOOL USE AND CARE SAFETY.

1. **Always use clamps or other practical ways to secure and support the work piece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control. Hold the tool firmly to prevent loss of control.
2. **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
3. **Do not use tool if switch does not turn it "ON or "OFF".** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
4. While operating, always keep the cord away from the cutting area.
5. Always disconnect the plug from the power source before making any inspections, adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
6. **Always store idle tools in dry place and locked up, out of reach of children & other untrained persons.** Tools are dangerous in the hands of untrained users.
7. **Always maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to jam and are easier to control. Any alteration or modification is a misuse and may result in a dangerous condition.

PRECAUTIONS ON USING CIRCULAR SAW

1. Proceed with cutting operation when full speed has been reached.
2. Never use the circular saw with its safety cover fixed open.
3. Confirm that safety cover moves smoothly.
4. Never lay down the circular saw while the saw blade is revolving.
5. Turn OFF the switch immediately when a fault occurs.
6. Never operate the circular saw with its saw blade turned upward.
7. Cutting glass fiber is not recommended.
8. Replace the saw blade when the blade diameter becomes less than 162mm at the base of the teeth.
9. Always keep the saw blade sharp.
10. Confirm that the workpiece is free of foreign matter such as nails.
11. Exercise care to position the circular saw at a safe, stable spot when sawing.

STANDARD ACCESSORIES WITH TOOL

- 1) Wrench1
- 2) Guide1

Standard accessories are subject to change without notice.

APPLICATION :

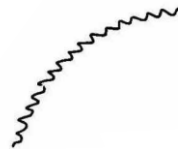
- Cutting various types of wood.
- Cutting various decorative boards, thin plastic boards, and new types of building materials which are soft (use a saw blade for aluminium).
- Cutting non-metallic materials such as slate, gypsum board, cemented excelsior board etc. (use a super polynet saw).

OPTIONAL ACCESSORIES (APPLICATIONS)

Combination Saw Blade

Application : Cutting various types of wood

Size : 185 mm external diam x 1.25mm thickness

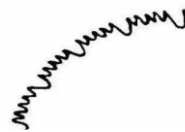


Planer Saw Blade

Applications : For applications requiring an especially fine surface after cutting.

After cutting the surface will be smooth and fine and it is possible to perform finishing highly accurately.

Size : 185mm external diam x 1.25mm thickness



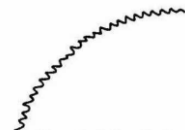
Saw Blade for plastics

Applications : Cutting various decorative boards, thin plastic boards, and new types of building materials which are soft.

There is a fine surface after cutting, and end-breaking and cracking will not occur.

Size : 185mm external diam x 1.25mm thickness

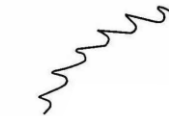
Caution : In the case of both the planer saw blade and the saw blade for plastics, the saw teeth may be sharpened, but do not attempt to re-sharpen the saw blade.



Rip Saw Blade

Applications : Suitable for roughing or ripping lumber demonstrates good operating efficiency

Size : 185mm external diam. X 1.25mm thickness



TCT Saw Blade

Application : Cutting various types of wood

Size : 185mm external diam. X 1.4mm thickness

