



BCS Power/Snow Brush

Manufactured by BCS S.p.A.

to fit

BCS Power Units



Operating Instructions

Before commissioning the machine, read operating instructions and observe warning and safety instructions.

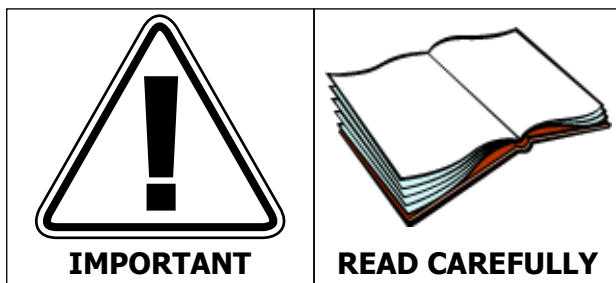
**PLEASE ALSO READ ORIGINAL
BCS INSTRUCTION MANUAL**



 **TRACMASTER**
The landscape machinery specialists

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No liability will be accepted for any damage caused to persons or property through failure to observe the operating and safety instructions.



IMPORTANT

**PLEASE READ THE OWNER'S MANUAL
FOR THE POWER UNIT FIRST.**

**For any further information
or assistance please contact
Tracmaster on 01444 247689 or
visit www.tracmaster.co.uk**

Overview



**Before using this product read these instructions carefully.
Make sure the brush is mounted and fixed properly to the power unit.
Always read the original BCS owner's manual first.**

If in doubt contact Tracmaster on 01444 247689.

Safety Precautions

IMPORTANT: Read all machine and implement manuals thoroughly before using the rotavator.

Always familiarise yourself with the controls and machine's operation before commencing work. Ensure you know how to stop the machine and turn off the engine safely and quickly.

WARNING: Do not put your hands or feet near the work zones or near moving or rotating parts.

Always wear **HEAVY GLOVES** to protect your hands whilst working on the equipment.

READ and observe all warning labels on the machine and implements.

Always wear appropriate work clothes whilst operating the machine, always wear safety footwear.

DO NOT USE the machine near children or animals.

The machine operator is responsible for any damage to persons or property.

Always walk with the machine - **DO NOT RUN**.

NEVER work on slopes of more than 20° and always work across the face of a slope (side to side), **NEVER** up and down. **NEVER** use the machine on a bank where there is a possibility of the machine sliding down the slope.

Always disengage the power take-off (PTO) when changing direction or location of operation.

DO NOT undertake any maintenance of the brush while the engine is running.

ONLY qualified persons should operate the machine.

WARNING: the brush can push the machine towards the operator if:

- It is set too low;
- It is driven into sudden mounds of earth or uneven terrain;
- The machine is in neutral and the brush turns as it is in contact with the ground.

We recommend always inserting the forward gear before inserting the PTO.

When operating on uneven surfaces, be ready to release the OPC lever if the machine is pushed backwards.

Pay maximum attention when operating on paved or uneven surfaces.

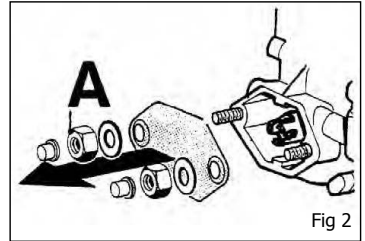
Walk behind the machine on sloping terrain.

Disconnect the PTO when moving up and down sloping terrain.

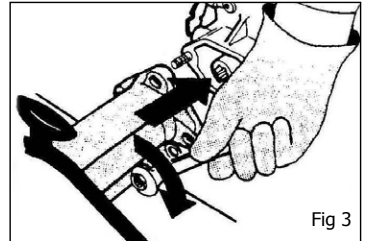
Be sure not to discharge debris in the direction of persons or vehicles.

Operation

To mount the brush to the power unit, unscrew nuts [A] and remove the washers and the protection cover for the power take-off (PTO) (fig.2).



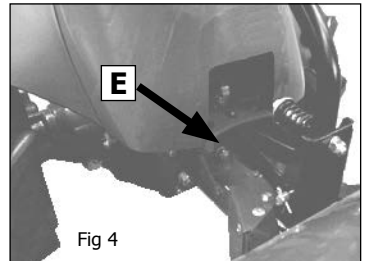
Fit the brush onto the flange of the machine using the washers and nuts [A] previously removed. Tighten the nuts securely (fig.3 & fig.4 [E]).



Make sure the surface to be swept has no pronounced raised areas that the brushes might encounter, as undue wear on the brushes will occur.

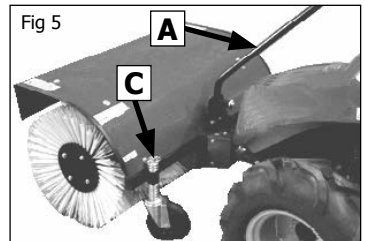
Angle the brush towards the side you wish to pile up the material to be picked up.

The brush can be angled left, right or straight ahead. This is achieved by applying a little pressure to the adjustment lever (fig.5 [A]), which is spring-loaded for ease of use. Then simply move the lever in the desired direction until the relevant position is selected by use of one of the three holes.



Ensure the brushes are clear of the ground by lowering the castor wheels, then drive the machine to the site. Adjust the castor wheels so that the brushes just touch the surface.

Height is adjusted by repositioning the spacers (fig.5 [C]) on the castor wheels above to lower the height, and below to raise the brush off the ground (fig.6 [B]).



Always select the wheel speed before engaging the PTO. If the PTO is engaged first and the brush is in heavy contact with the ground, it will drive the machine backwards.

Be prepared to let go of the red OPC lever to stop the machine.

We recommend starting in a slow forward speed, then gradually build up speed as required.

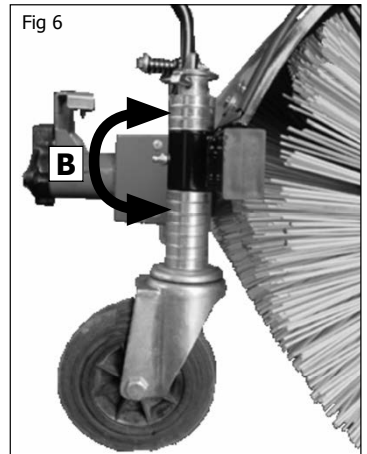
Always pull up the clutch lever before engaging any gear, or the brush, or changing forward/reverse.

Operation

The clutch lever must be fully released when working. Do not operate the machine with the clutch lever partially released as serious damage may occur.

Before use, thoroughly inspect the surface to be swept and remove any objects that could obstruct the machine, or be thrown by the sweeper, or cause it to run off course.

WARNING: If the machine or brush begin to vibrate suddenly or run irregularly, or if the brush does not operate in a regular manner, we recommend having it checked by a service centre before operating it any further.



Maintenance Guide

For engine maintenance please refer to engine manufacturers manual.

After every hour of operation stop the engine and remove the spark plug cap. Check engine oil level (recommended oil SAE 10w/40). Before checking the oil level ensure the machine is level.

Replace the spark plug cap.

Do not turn the machine on its side for cleaning.

Replace damaged or missing safety devices.

Replace safety labels if missing or illegible.

Keep the engine, power unit, and brush in good operating condition.

Clean the brush frequently and at regular intervals.

Check every time for missing or damaged parts.

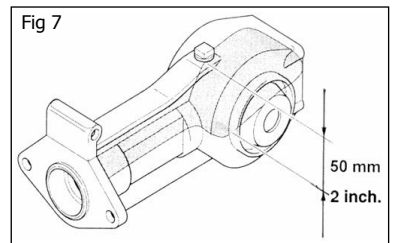
Check and fasten parts that are subject to loosening due to vibration.

Clean out the air filter frequently; in very dusty conditions it is recommended mounting a pre-filter above the existing dry filter and cleaning it several times a day.

Carry out maintenance recommended by the relative maintenance and operating manual for the machine, engine, and brush, but do not carry out repairs unless specific instructions are provided in the operating manuals.

Certain interventions on the engine, machine and brush can be performed only by Authorised Service Centres.

Every 100 work hours, or once a year, change the oil in the control unit; the level should be at 50mm (2") below the fill tap (fig.7).



Risk Assessment

HAZARDS	RISK LEVEL	ACTION NEEDED
General		The machine should only be used by trained operators.
Machine tipping over	Low	Do not use on slopes over 25°. Work across slopes, never up and down.
Machine running away	Low	Operator presence control turns off the engine if the operator releases the handlebars. Always check operation before use.
Machine reversing and jamming the operator against an immoveable object	High	Never reverse the machine with your back to a wall or similar object.
Burns	High	Be very careful of a hot exhaust. Turn off the machine before re-fuelling. Allow 1" air space in fuel tank.
Foot injuries	High	Never let anyone stand in front of the machine when it is operating. Keep all pets and animals away.
Handlebar adjustment	Low	Always set the height and sideways position before operating the machine – never while it is moving.
Transportation	Low	Always transport the machine at speeds suitable for the surroundings. Be aware of pedestrians and other obstacles. Ensure the travel speed allows time for the machine to be safely brought to a standstill.
Flying objects	Medium	Ensure the area in which the brush is working is cordoned off from the general public and that their access is restricted during operation.
Blockages	Low	Do not attempt to reach into the brushes whilst the engine is running. Always turn the engine off prior to working on the machine.

Manufacturer Information

This machine is manufactured in Italy by BCS S.p.A.

Tracmaster Ltd is the UK distributor for this model, the BCS Power/Snow Brush.

BCS S.p.A. has been at the forefront of developing cutting edge agricultural machinery since its formation in 1943, when their founder developed a self-propelled motor mower. Tracmaster Ltd has been the UK distributor for BCS pedestrian equipment since 1984.

Please ensure you read the original manufacturer's manual before operating this machine.



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