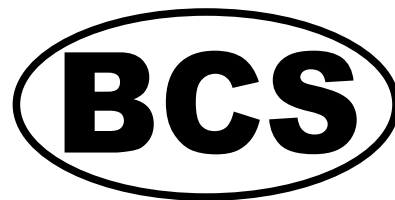


CONTROL DESCRIPTION

- A. Engine Stop Lever. This is red and when released, cuts the power to the engine.
- B. Clutch Control Lever.
- C. Throttle Control Lever.
- D. Speed Control Lever. The location of the different speeds is shown on the selector which is positioned on the control lever.
- E. PTO Lever.
- F. Clip for Clutch Lever Locking.
- G. Handlebar Height Adjustment Lever.
- H. Right Steering Lever.
- I. Left Steering Lever.
- M. Parking Brake Lever (Black).
- L. Forward/Reverse Control Lever (Red).


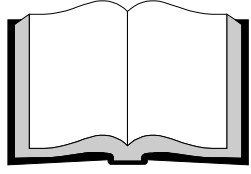
**OPERATING
INSTRUCTIONS
&
SAFETY NOTES**

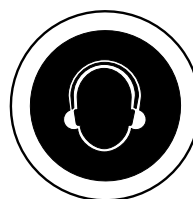


**SCYTHE CUTTER BAR
FOR COMMANDER
BCS 630WS**

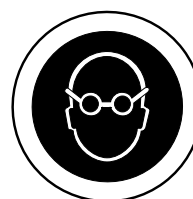
VIBRATION & SOUND LEVELS			
Machine	RPM	Vibration m/sec ² 3 Axis	Sound Level dB(A)
BCS630WS + 44" Scythe	2000	4.3	88.0
BCS630WS + 53" Scythe	2000	4.2	88.0

NOTE: The above figures relate to the BCS 630WS with 13hp Kohler petrol engine.

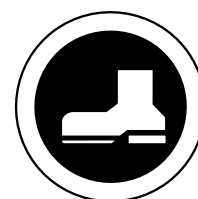
	
IMPORTANT	READ CAREFULLY
WITH GENERAL INSTRUCTIONS	



**WEAR EAR
PROTECTION**



**WEAR EYE
PROTECTION**



**WEAR SAFETY
FOOTWEAR**

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

SAFETY

- ALWAYS** start the engine in the open air
- DO NOT** smoke when refuelling
- DO NOT** mix OIL with the fuel
- ALWAYS** stop the engine before making any adjustments, refuelling, moving or cleaning, or when the unit is unattended
- USE ONLY** unleaded petrol or diesel from fuel containers designed for this purpose - refuel outdoors only and replace the tank cap securely
- IN CASE** of petrol spillage move the machines away from the area of spillage and allow the petrol vapours to dissipate before starting the engine
- DO NOT** remove any safety guards that are fitted
- DO NOT** touch any moving parts or attempt any maintenance whilst the machine is running - **KEEP HANDS AND FEET AWAY**
- BEFORE** starting work clear the work area of any objects that could damage the machine
- DO NOT** allow children or anyone uninstructed to operate the machine - **KEEP ANIMALS AWAY**
- DO NOT** use on slopes or banks of more than 20° - unless you are using the Kohler engine machine
- ALWAYS** wear suitable clothing to give personal protection including footwear that offers a good grip
- NEVER** put hands or feet under mower decks
- AVOID** wearing loose garments that may catch in moving parts
- KNOW** how to stop the machine in an emergency
- NEVER** select reverse gear with your back to a wall or other immovable object
- NEVER** interfere with any control settings on the engine
- IF A FAULT** develops **DO NOT** attempt any repair - immediately contact the supplier from whom the machine was obtained
- VISUALLY INSPECT** the machine before use - ensure all tines, nuts and bolts are tight and not worn or damaged and replace tines if necessary
- KEEP IN MIND** the operator is responsible for accidents or hazards occurring to people or property
- WEAR** eye and ear protection and protective footwear

TO START ENGINE

- Check the fuel level - use either unleaded petrol or diesel, depending on your engine type.
- Always remove the fuel cap slowly to release tank pressure and keep your face and eyes away from the tank.
- Check the engine oil level.
- Ensure gear lever is in neutral position (D).
- Pull in the clutch lever and secure with locking clip (B & F).
- Ensure PTO lever is disengaged (E).
- Turn the fuel tap to 'ON' position - if the engine is cold turn on the choke - petrol engine only.
- Apply half throttle.
- Gently pull the recoil starter handle until resistance is felt and then give a good strong pull to start the engine.
- Push the choke back in and return the throttle to idle speed (petrol engine only).
- WARNING:** If any abnormal vibrations or sounds occur, STOP the engine and check the machine and the implement.

TO STOP ENGINE

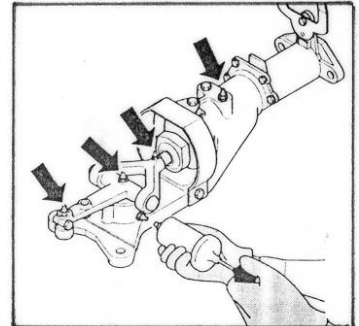
- Pull in the clutch lever (B).
- Close the throttle (C).
- Select neutral position with the gear lever (D).
- Disengage the PTO drive to the implement (E).
- Release the clutch lever slowly (B).
- Release the red stop levers (A).
- WARNING:** THE EXHAUST COVER MAY BE HOT - DO NOT TOUCH

OPERATION

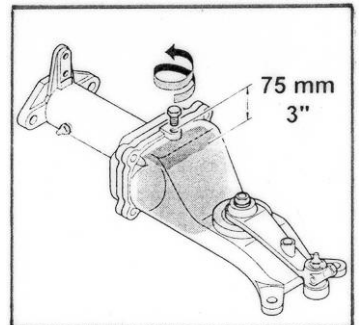
- Best results are obtained with the engine at a very low throttle setting which, combined with a low forward speed, enables the bar to cut cleanly and gives less wear and tear on the reciprocating parts, which also reduces maintenance.
- To increase ground speed it is imperative to select a higher gear rather than advance the throttle.
- A higher engine speed will cause unnecessary strain on the cutter bar.
- On rough terrain the bar should be raised by the height adjuster skids to prevent the blades from digging into the ground.
- Do not operate on terrain where the machine might overturn or slide into you.
- Always work across the bank or slope - never up or down.
- Always wear gloves.

MAINTENANCE

- Wash down and re-oil the sliding parts after each day's use.
- Lubricate the grease nipples every day (where fitted).
- On scythe cutter bars with oil bath drive mechanism, check the oil level every 50 hours and top up with EP90 oil as necessary to with 2" of filler plug.
- Replace any broken or damaged blades as necessary.



- Check the tension between the top and bottom blades. To adjust, loosen the blade holder bolts, release the lock nut on the adjuster bolt and screw the adjuster bolt in or out until the top blade is a snug fit to the bottom blade.
- Top bar back lash can be eliminated by pulling back the blade holders when tightening the bolts.



- NOTE:** Never over-tighten the blade holders as too much pressure can overload the drive unit and cause rapid wear.
- If the top blades do not meet the bottom blades correctly then it is probable the top blades have been damaged and ultimately it is better to replace the whole top blade strip.

