



## STARTING WORK

### BEFORE USING YOUR MS600 CHECK THE FOLLOWING:

1. Remove engine covers and check oil level.
2. Check air cleaner filter element is correctly fitted.
3. All battery cable connections are tight.
4. Inspect for hydraulic oil leaks. Tighten hydraulic fittings if necessary using two spanners taking caution not to over tighten.
5. Check bolts for tightness.
6. Return all engine covers to proper position.
7. Mount propane bottle in brackets and secure clamps.
8. Attach propane hose to bottle and slowly turn valve on. You should hear gas briefly enter the propane hose. Immediately check for propane leaks with soapy water solution. If no leaks occur. Move on to no 9. If leaks persist after retightening the connector turn off bottle at valve and seek assistance from certified propane professional. **Serious damage and or an explosion could occur.**
9. You are now ready to start the engine.
10. Crank the engine by turning the key in the on position. The engine will crank for 3 to 5 seconds while the propane enters the carburettor. If the engine does not start, turn the key off, wait a few seconds and try again. If again unsuccessful, check propane valve to be sure it is open. If still unsuccessful turn off propane valve and seek assistance.
11. Once the engine is warm and running, and the operator is safely in the seat, the machine can be driven.



## OPERATION

1. To move the machine: Using the right hand, slowly move the lever in the desired direction. Forward and left moves the machine to the left, backward and right reverses the machine to the right. It is just that simple to drive. Speed is controlled by amount of movement on the joy stick.
2. The left joystick lever is used to position the blade to the surface. Moving the lever forward and backward moves the blade up and down. Left and right movement changes the blade pitch.
3. Throttle control is on the left side of the seat, taking the unit from idle to 3400 RPM. The most optimum speed is 2600 to 3200 RPM. To increase RPM of engine push lever forwards, to lower RPM pull lever backwards.
4. A cooling fan will run behind the seat when engine is running to keep hydraulic oil cool.
5. Hydraulic reservoir is accessed by removing right cowling and removing fill cap.
6. To change scraping blades: Stop engine. Loosen the set bolt at the rear of the blade holder block. Slide the worn blade out and insert a new blade up against the shim stop. Retighten the set bolt and resume scraping. The large blade holder bolt should not need to be more than hand tight. With a little practice you should be able to change blades in 15 seconds. Worn blades can be re-sharpened and reused many times.
7. Operator should lower the blade by pressing the left hand lever forward each time they get off the machine. This safety practice eliminates possible bodily injury from lowering the blade by an unauthorised operator.
8. The transport castor should not be in contact with the floor while scraping. It will lift off the floor when blade is lowered. **Castor contact with the floor while scraping will negatively affect scraper productivity and steering.**
9. **Do not transport machine with blade assembly raised higher than 10-20mm or this may cause damage to lift cylinder.**



## SAFETY

### ONLY TRAINED OPERATIVES SHOULD BE ALLOWED TO OPERATE THE MS600 MULTISTRIPPER

1. Before any maintenance or inspection takes place stop the engine, turn propane off and disconnect the battery terminals.
2. Appropriate PPE must be worn and the equipment must be used in line with guidelines laid down by the Health & Safety executive.
3. Practice good preventive maintenance.
4. Allow the MS600 to come to a complete stop, turn off engine, turn off propane and check rear wheels before performing any maintenance procedures.
5. Replace worn parts when necessary.
6. Do not reach into blade or control arm areas while machine is in operation.
7. Do not attempt to open any access door until the machine has come to a complete stop and the engine and propane is turned off.
8. Be sure all electrical inspections or repairs are done by a qualified electrician.
9. Loose surface coverings can be hazardous. Always be alert and careful.
10. Be sure all bolts and nuts are tightened. **The loose connection of a rotating part could cause the part to fly off with force, causing serious damage to the equipment and possible injury to the operator.**
11. Always lower blade to the ground when the machine is unoccupied by the operator. **Serious bodily injury may result if blade bar is not in lowered position when not occupied.**
12. Never leave the MS600 unattended whilst in use. Always stop engine and lower blade prior to leaving the machine.
13. Machine should not be driven unless seat belt is securely fastened.
14. Use only on flat level areas not on inclined or ramped surfaces.

**NEVER OPERATE MS600 IN A POORLY VENTILATED AREA AS CARBON MONOXIDE IS EMITTED.**