2.5. POSITIONING

Place the centrifuge on a flat floor in a clean, non-corrosive environment.

Fix the two spacers to the rear of the machine using the screws already positioned. This ensures ventilation and access to the rear foot for adjustment.

Position the centrifuge making sure that the blocks remain underneath the screws. Leave 10 cm space free on each side of the machine.

Manually open the lid of the centrifuge (refer to lid opening) and place a rotor, complete with lid, onto the drive head. Put the spirit level on the rotor.

Tighten the 3 screws alternatively, using the screwdriver for the front screws and the 13 mm spanner for the back screw, to lift the wheels of the machine from the ground and adjust the levelling of the rotor.

Check the levelling by turning the rotor 90° and readjust if necessary.

Once the horizontality is obtained lock the screws at the front with the lock nuts using 19 mm spanner and the screw at the back with the tightening screw using 10 mm box spanner.

2.6. LID OPENING

When the centrifuge is switched on, pull forwards the latch lever located on the right hand side of the unit : the lid is automatically unlocked and opens. Wait until display returns to the stand-by mode, shown when machine is switched on, before pulling this lever.

2.7. LID LOCK OVERRIDE

In the case of a power cut or when the centrifuge is switched off, it is possible to open the lid by inserting the unlocking tool into the access hole underneath the latch lever. Pull upwards with the tool and at the same time pull on the lever until the lid opens.

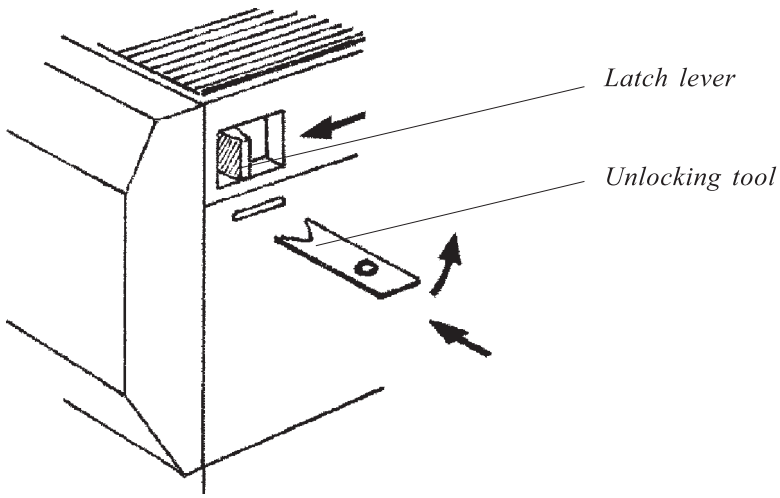

FIGURE 2.1 - LID UNLOCKING

In the case of the lid not opening in the way described previously, it is also possible to open the lid by operating in the following manner :

Insert the unlocking tool into the hole underneath the latch lever and pull upwards as before. Insert and push the tool provided into the hole on the left hand side of the unit.

WARNING : If the centrifuge has stopped because of a power cut, make sure that the rotor has stopped spinning before opening. These operations must only be carried out once the centrifuge has been unplugged.

Manual lid unlocking must only be done by someone informed of the danger and of the necessary precautions to be undertaken.

2.8. INSPECTION

Before installation, the rotor should be thoroughly inspected for corrosion and cleanliness.

Chemical and stress corrosion will eventually lead to disruption of the rotor with potential severe damage to the centrifuge. Particles stuck inside the pockets can cause breakage of tubes and lead to major imbalance and / or loss of sample and contamination.

The central conical hole of the rotor and the drive spindle should also be clean and undamaged. These parts should be wiped over before each use.

Check that the speed limiting disc is in good condition with no scratches, tears or wrinkles.

2.9. ROTOR PREPARATION

Ensure that the 'O'rings are in good condition and lubricate with a little silicone lubricant.

Check that the lid and rotor mounting bolts swivel freely and that their threads are lightly lubricated. Lubricate the drive head with silicone vacuum grease to prevent sticking.

NOTE : Pre-condition the rotor to the same temperature as the bowl. This will prevent the rotor seizing onto the drive head and will provide the best conditions for installation.

2.10. SAMPLE LOADING

The contents of each rotor pocket including sample, tube, cap and adaptor (where used) must be balanced within the tolerance indicated in the specifications. (10 g for rotors with maximum single volume of 100 ml or less, 15 g for rotors with maximum single volume 250 ml or greater).

ATTENTION : Imbalance of the rotor may cause major damage to the rotor and centrifuge. Do not attempt to introduce liquids into rotor pockets or into tubes or bottles sitting in the pockets.

If less than the maximum complement of samples is loaded, the tubes must be placed in opposite pockets. An odd number of tubes requires a blank, water filled tube to balance the rotor.