

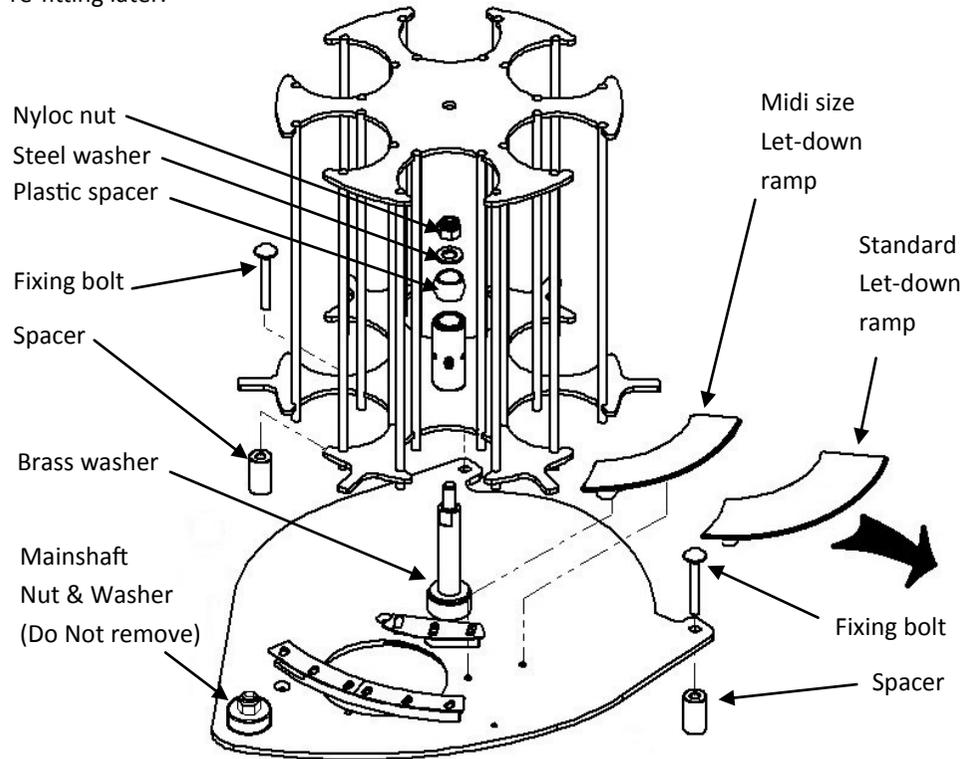
**WARNING THE TRAP MUST BE MADE SAFE BEFORE CONTINUING - SEE FRONT PAGE**

Read through the entire procedure before proceeding so that no steps are missed.

**1. Remove the standard carousel :**

Disconnect the rear pusher spring and fold back the arm clear of the carousel.

Remove the standard carousel - Undo and retain the nyloc nut, steel washer and blue plastic spacer for re-use with the new carousel. Be careful that the brass washer located under the carousel remains on the shaft and does not stick to the grease causing it to be removed along with the carousel. If it does come away, place it to one side for re-fitting later.



**2. Gain access via the top plate :**

Remove the rear fixing bolts from the top plate (retain the nylon spacers and note their positions) **Do not** remove the mainshaft nut as it will now be possible to rotate the top plate to one side in order to gain access to the ramp fixings.

**3. Change the let-down ramp :**

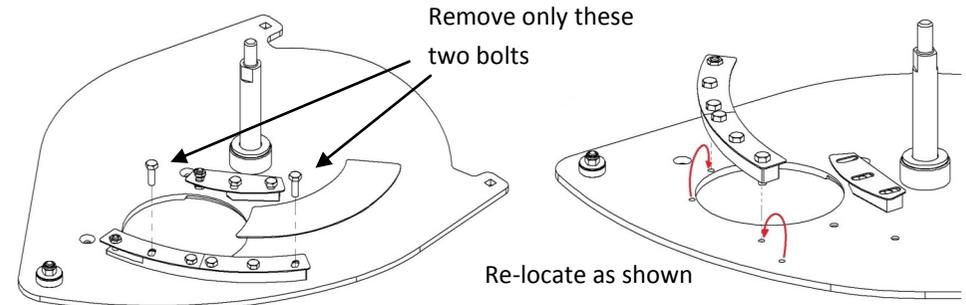
Undo the two bolts securing the let-down ramp in place, one of these may also be holding a teal finger (small white plastic stem) if so make a note of its position (or take a photo) so that it can be re- attached in the correct position)

Remove the ramp assembly and refit the narrower midi version into the same holes.

Do not refit the top plate yet—there is some work to do on the casting plate which will be much easier whilst the top plate is out of the way.

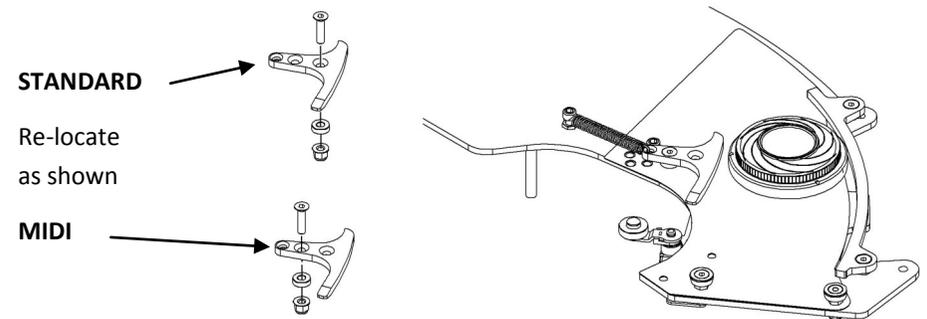
**3. Move the outer Knife edge set :**

The outer knife edge set will need to be moved inboard as shown below, the required holes will already be present in the top plate. There is no need to remove all the bolts to do this, just the two longer ones as shown below. Do not fully tighten when re-fitting , this will allow for easier adjustment later when access is limited.



**5. Move the sprung front rail :**

The sprung front rail needs to be moved in so that the pivot bolt passes through it's centre hole as shown below, the assembly (along with the original spacer) can now be re-fitted into the original fixing hole in the casting plate, secure in place with nut below plate and check that it rotates freely and springs back correctly.



**6. Re-fit the top plate and new carousel :**

Rotate the top plate back to its original position and re-fit the bolts and spacers removed earlier.

Fit the new midi carousel - using the nyloc nut, steel washer and blue plastic spacer removed from the original carousel. Apply fresh grease to the grease nipple located on the carousel boss and spin the carousel a few times to distribute it.

Tighten the nut down until the blue plastic spacer barrels slightly and some resistance can be felt when turning the carousel by hand, do not over-tighten at this stage or the trap may not perform correctly.

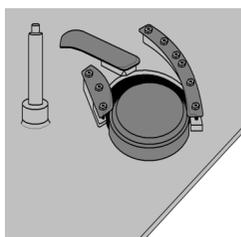
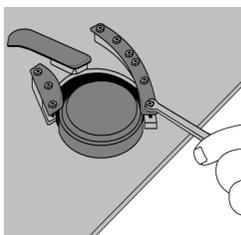
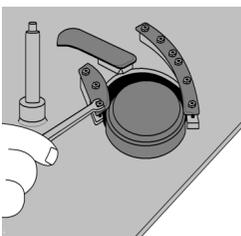
## 7. Adjust the knife edges

Place a clay in one of the pockets and rotate the carousel, taking the clay towards the start of the knife edges, at this stage it may be necessary to make some fine adjustments to the knife edges (height / spacing etc..) to suit the clay being used.

Using a 10mm spanner/wrench, adjust the height of the inner and outer leading edge of each blade. It is desirable to have no less than 0.5mm clearance between the underside of the knife blades and the horizontal shoulder of the clay.

Remember to fully tighten any knife block fixing bolts once the setting is finalised.

It is important to have the knife edges set correctly to avoid clay breakages, and they may need to be reset whenever a different brand or variant of clay is to be used.



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# Fitting Instructions Midi conversion kit

## **Safe Mode Procedure - Warning: Stand at rear of machine only**

1. Disarm the machine by flicking the **ARM/DISARM** switch upwards towards the **DISARM** position and immediately releasing (long enough for the trap to fire, but not giving the machine a chance to rearm). The Gearbox block (A rectangular block attached to the gearbox shaft) should stop in a position pointing towards the front of the machine.
2. If the Gearbox block is pointing directly towards the front of the machine, push the **ARM/DISARM** switch momentarily in direction of **DISARM/NUDGE** just enough to allow the block past its forward pointing position.
3. If the block has gone too far, rearm the machine and then disarm again until the desired position is achieved.
4. Disconnect the battery/power source from the machine once the block is in the correct position.
5. With the Gearbox block now pointing just past the forward pointing position, the throwing arm can be pushed slowly, **USING THE PALM OF THE HAND ONLY**, around counter clockwise .
6. As the throwing arm gets to the firing position (pointing direct to the back of the machine) the spring will take over, at which point the drive bolt on the Gearbox block stops the arm, and prevents it from firing.

This is **SAFE MODE** the arm is now trapped between the drive bolt in one direction and locked on the one-way bearing within the trap, it cannot move or release again



**The main operating instructions must be read in full before attempting to operate the machine**