

### Introduction

If problems arise with an actuator unit in a Yamato multihead weigher, the entire machine does not have to be rendered inoperative. Instead, you can follow the Yamato 'inhibit head' procedure, which ensures continued production with high levels of speed and accuracy, reducing downtime.

### How to tell if a weigh actuator repair is needed

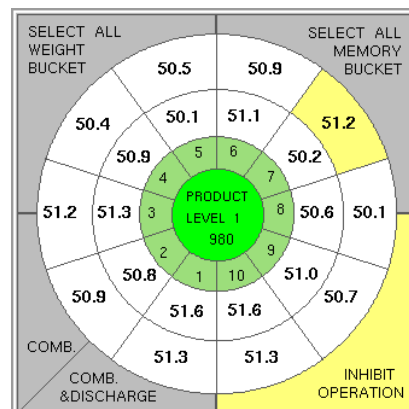
The main indicators are:

- "E" or Actuator error (■)
- 'Span Error' (▲), 'Overweight Error' (●)
- AD counts of 00000 or FFFFF can signify possible load cell strain within an actuator, highlighting the need for repair – AD counts can be checked via Troubleshooting > Hard Check
- A Zero Drift Error – this is where having rezeroed an actuator, over time the zero value drifts, thus showing a weight which does not exist - this is exacerbated over time
- Bent lever(s)
- Excess movement of drive arms and levers

### How to inhibit a weigh head, remove actuator and install blanking plate

#### Step 1: Inhibit weigh head

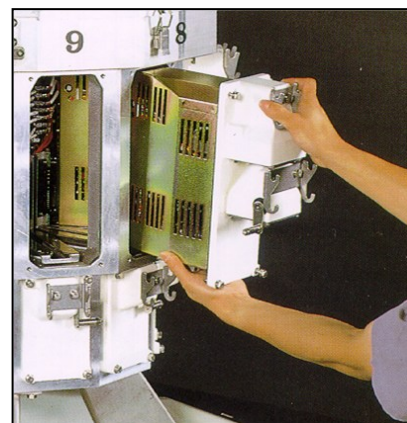
- Touch the weigh bucket to be disabled on the interface, which will highlight
- Touch the "inhibit operation" pad, which will be highlighted
- Touch the "start" pad. The disabled bucket will be indicated with the symbol "x"
- When returning to Automatic Operation, the highlighted pad will be in dark gray while the "x" symbol will stay on the inhibited bucket



Machine interface

#### Step 2: Remove actuator

- Turn the power off
- Remove the feed bucket, weigh bucket and memory bucket from the scale
- Using a 10mm socket, unscrew the four (or six) captive mounting bolts
- Remove the actuator, carefully making sure not to grip the weigh bucket hanger. The actuator is on a drawer slide mechanism which will hold up the actuator until it is almost removed
- Fit the load cell clamp, shorting plug/link and blanking plate



Removing an actuator unit

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## HINTS AND TIPS - ACTUATOR REPAIRS

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### Step 3: Send to Yamato for repair or request a service exchange

- Fit transport clamp and pack in dedicated packaging (available from Yamato Spares department) so that no additional damage is incurred during transportation
- Send to Yamato for repair by contacting our Service Department on 0113 322 1546 and requesting a Returns Number
- Alternatively, we can offer service exchange – please contact our service department for more information.

### For further information

Please contact our service department on **0113 322 1546** or email [service@yamatoscale.co.uk](mailto:service@yamatoscale.co.uk) if you have any queries or require additional technical support.

In addition, Yamato has on-site training facilities where you and your staff can learn all there is to know about the features of your Yamato weighing machines, including how to remove actuators and inhibit weigh heads. Please contact our service team for more information about our training programmes or visit the Training and Demonstration Area page on our website.