Plinth | 2000

# 200 Range Couch

Model: 203

# SERVICE MANUAL

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Plinth 2000 Ltd is an ISO Audited company to ISO9001:2008

Our products are CE marked in conformity with the EC Directive MDD 93/42/EEC

# 1. Introduction

Thank you for purchasing a product from Plinth 2000 Ltd. We use the highest quality components and manufacturing techniques to ensure that our products are simple to use and will last a long time. It is recommended that all our products are serviced annually whilst electrically operated products or those in high use should be serviced every 6 months.

Throughout this manual notice is made of a Warning and Caution system to highlight to the user practices, procedures or conditions that should either not be allowed to happen or happen with caution.

**Warnings are in a box with bold type and identify potential hazards, procedures or conditions which could result in death, injury or serious damage**.

Cautions are in a box with plain type and identify conditions or procedures where if caution is not taken it may result in damage or failure of equipment.

## General Warnings

**WARNING**

**Maximum Load (SWL) is 200kg distributed evenly.**

**Do not use flammable gasses in proximity to an electrically operated couch.**

**Do not concentrate weight on either side or either end of the couch.**

**Use only accessories approved for use with this couch.**

**Disconnect power supply before moving couch.**

**Children must be adequately supervised in the presence of the couch.**

**Do not allow children to play with the couch at anytime.**

## 2. Cleaning & Decontamination

**WARNING**

**If contamination is suspected then decontaminate the couch before servicing.**

**Torn or damaged upholstery should be replaced immediately.**

CAUTION

Do not use Alkalis or other organic solvents for routine cleaning.

Always cover the vinyl with paper towelling or couch covers if it can come into contact with bare skin.

### Cleaning

Always wear suitable protective clothing before carrying out this procedure. Disconnect the mains supply to the couch and move it to a suitable cleaning area and lock the castors.

**Step 1.** Using warm water and soap on a damp cloth, carefully wipe the couch over from top to bottom. Take great care around electrical components.

**Step 2.** Wipe the couch carefully from top to bottom using a clean damp cloth and soap free water.

**Step 3.** Carefully dry the couch from top to bottom with clean lint free paper towels.

### Decontamination

To decontaminate the couch repeat the above steps but using a dilute solution of Hypochlorite and warm water (10,000ppm) instead of warm water and soap. At the end of the procedure discard all cleaning materials in a safe manner and wash hands thoroughly.

## 3. Maintenance

Plinth 2000 Ltd products are designed to be maintenance free. However keeping your Plinth products clean and regularly checked will assist in prolonging their working life. The following is a guide of simple checks that the user can carry out on a six monthly basis. We would also recommend an annual service visit by a Plinth 2000 trained engineer.

**WARNING**

**Disconnect couch from electrical supply before commencing any of the following checks.**

Examine the couch for any signs of damage. Pay particular attention to all nuts, bolts and fasteners to check they are present and tight but not over tight.

Upholstery bolts should all be checked (each section has between 2 and 6 No. M6 bolts), they should all be present and tight.

Check friction lock mechanisms ensure that they operate through the full range of movement and lock fully.

Check hinge pins are lubricated.

Check main couch pivot pins are lubricated sufficiently.

Examine mains and switch cables for any damage, cuts, kinks, abrasions etc. These must be replaced if necessary.

Check mains lead, switch cables and slave motor leads are all correctly and securely attached.

Check correct plug fuse is fitted (5A).

**FOR FURTHER DETAILS REFER TO CHECKLIST ON PAGE 6.**

**WARNING**

**Any electrical checks or work other than the visual inspection above must be performed by a qualified electrician.**

**Do not connect BLUE or BROWN wires to the earth**

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# Service Check Sheet

**Plinth 2000 Ltd.**
Wetheringsett Manor
Wetheringsett
Stowmarket
Suffolk IP14 5PP
United Kingdom

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**www.plinth2000.com**

- ☐ CORRECT COUCH TO BE SERVICED
- ☐ IDENTIFY SERIAL NUMBER
- ☐ IDENTIFY PUMP/MOTOR TYPE
- ☐ ANY SPECIFIC FAULTS ADVISED BY CUSTOMER
- ☐ CAPS & FERRULES ETC
- ☐ ADJUSTABLE FOOT & FOOTCAPS
- ☐ UPHOLSTERY CONDITION
- ☐ NUTS, BOLTS & FASTENINGS TIGHT & GOOD CONDITION
- ☐ GAS STRUTS (if applicable)
- ☐ BACKREST & FOOTREST SPRINGS (if applicable)
- ☐ BACKREST & FOOTREST OPERATION (sections hold with no slip)
- ☐ PEDAL RUBBERS
- ☐ STARLOCKS TIGHT & GOOD CONDITION
- ☐ NYLON BUSHES (Y/N)
- ☐ IF NO CHECK FRAME FREE AND NOT AT RISK OF SEIZING
- ☐ OIL WHEEL PEDAL SYSTEM
- ☐ OIL HINGES
- ☐ OIL FRAME BEARING POINTS
- ☐ OIL PUMP/MOTOR FITTING POINTS
- ☐ FRAME CHECK (welds & overall condition)
- ☐ MAINS CABLE & PLUG CONDITION (if applicable)
- ☐ HAND/FOOT SWITCH CONDITION (if applicable)
- ☐ FUNCTION TEST OF PUMP/MOTOR
- ☐ AGE AND LIFE OF MOTOR IF KNOWN (use manufacturers guideline chart)
- ☐ WEIGHT TEST
- ☐ SERVICE STICKER FITTED

## 4. Troubleshooting

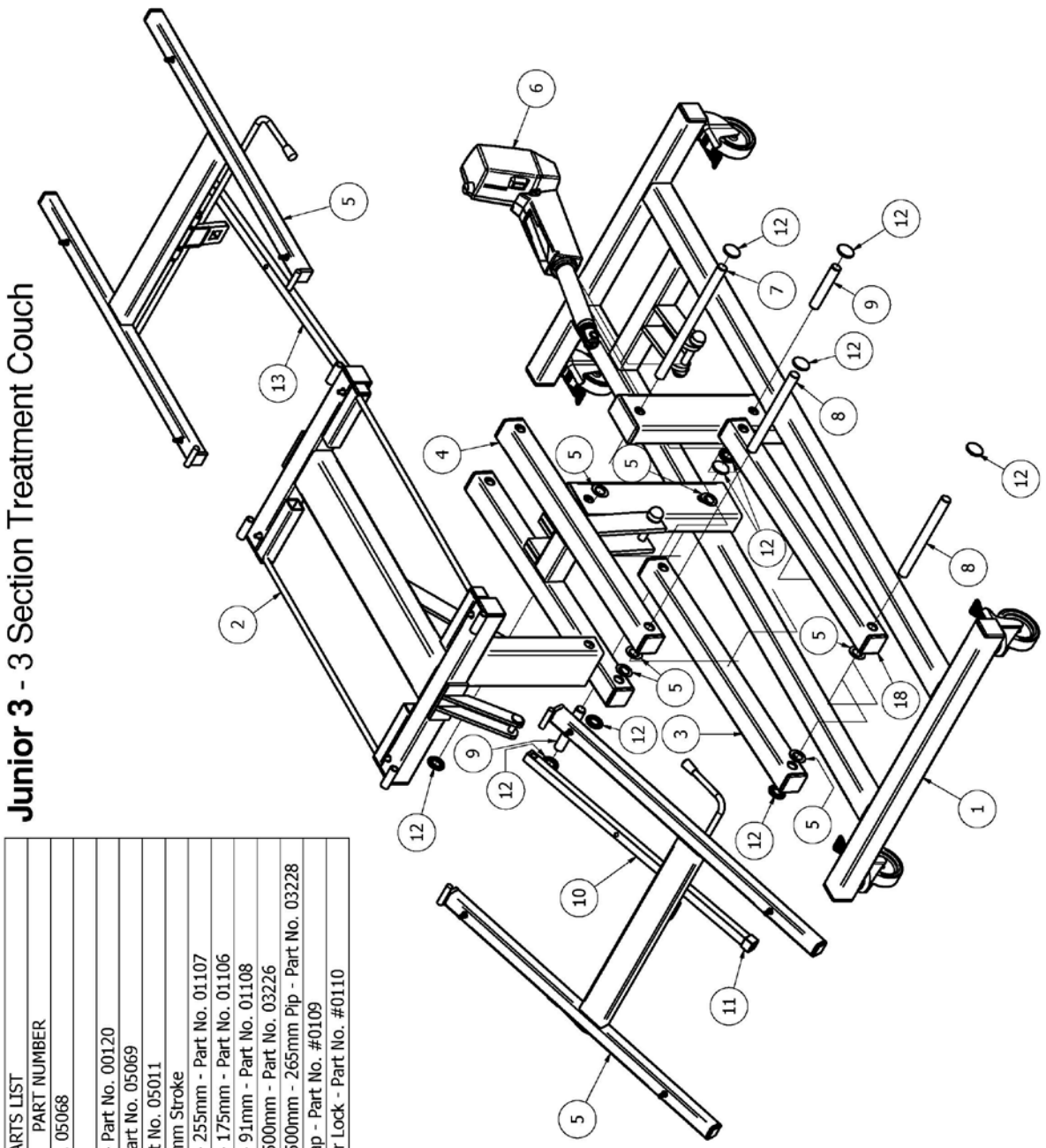
In the unlikely event of the couch failing to operate and having carried out the normal practical fault finding steps below then please contact our Customer Service Team on +44 (0)1449 767887 or email customerservice@plinth2000.com. **Please have the serial number to hand before making contact so we can help you more efficiently.**

| Fault | Possible Cause | Remedy |
|---|---|---|
| Couch is unstable | Uneven floor<br><br>Castor damaged or broken | Move couch to flat floor<br><br>Replace |
| Motor will not work | Power disconnected<br><br>Fuse Blown<br><br>Hand/ Footswitch disconnected | Connect power supply<br><br>Replace fuse in plug<br><br>Check the switch is fully connected to the motor |
| Motor sinks | Switch permanently operated<br><br>Motor fault | Unplug and re-connect switch<br><br>Replace motor |
| Back or footrest will not work (manual versions) | Compression spring damaged | Replace compression spring |
| Back or footrest sink under load (manual versions) | Friction bar dirty or greasy | Clean friction bar with degreasant |

## 5. Parts lists and diagrams

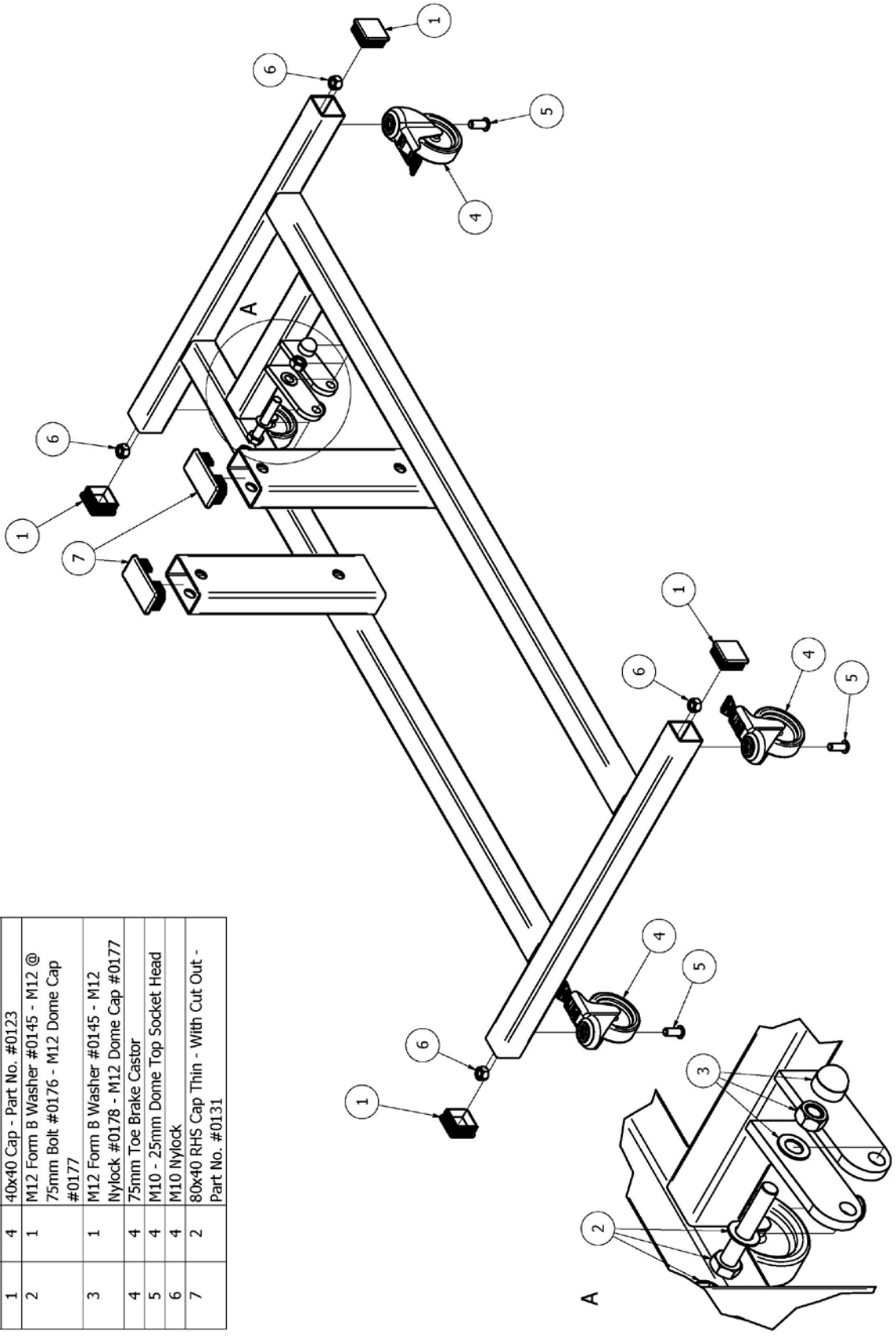
# Junior 3 - 3 Section Treatment Couch

| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 1 | Agent Base - Part No. 05068 |
| 2 | 1 | Agent 3 WIP |
| 3 | 2 | 40x40x2.5 - 500mm - Part No. 00120 |
| 4 | 1 | Agent 3 Lift Lever - Part No. 05069 |
| 5 | 2 | Std Back Frame - Part No. 05011 |
| 6 | 1 | Umec Actuator - 200mm Stroke |
| 7 | 1 | 16mm Bright Round - 255mm - Part No. 01107 |
| 8 | 2 | 16mm Bright Round - 175mm - Part No. 01106 |
| 9 | 2 | 16mm Bright Round - 91mm - Part No. 01108 |
| 10 | 1 | 15.875 Square bar - 500mm - Part No. 03226 |
| 13 | 1 | 15.875 Square bar - 500mm - 265mm Pip - Part No. 03228 |
| 11 | 2 | 15.875 Square Bar Cap - Part No. #0109 |
| 12 | 10 | 16mm Dome Cap Star Lock - Part No. #0110 |



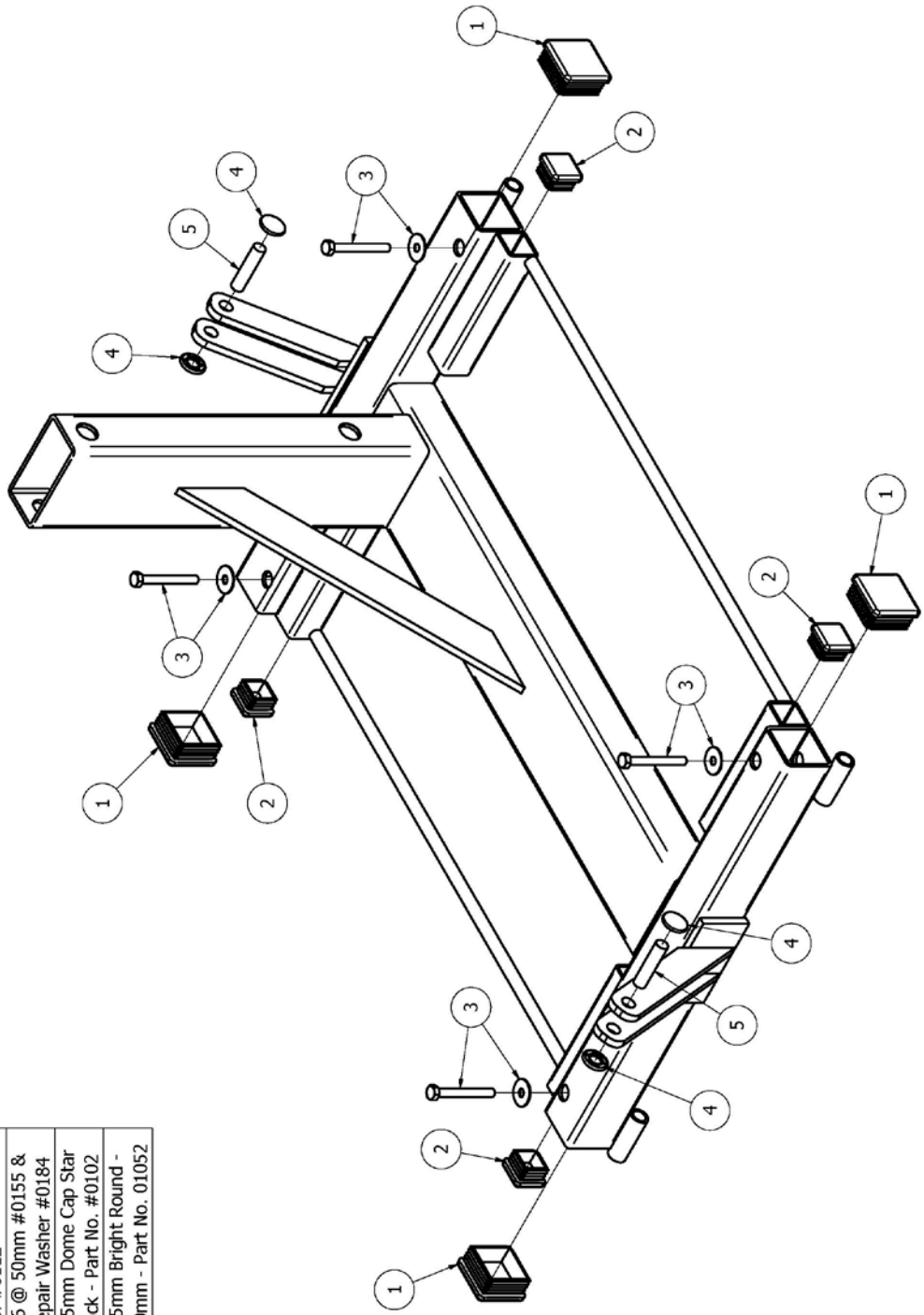
## Junior Base - Part No. 05068

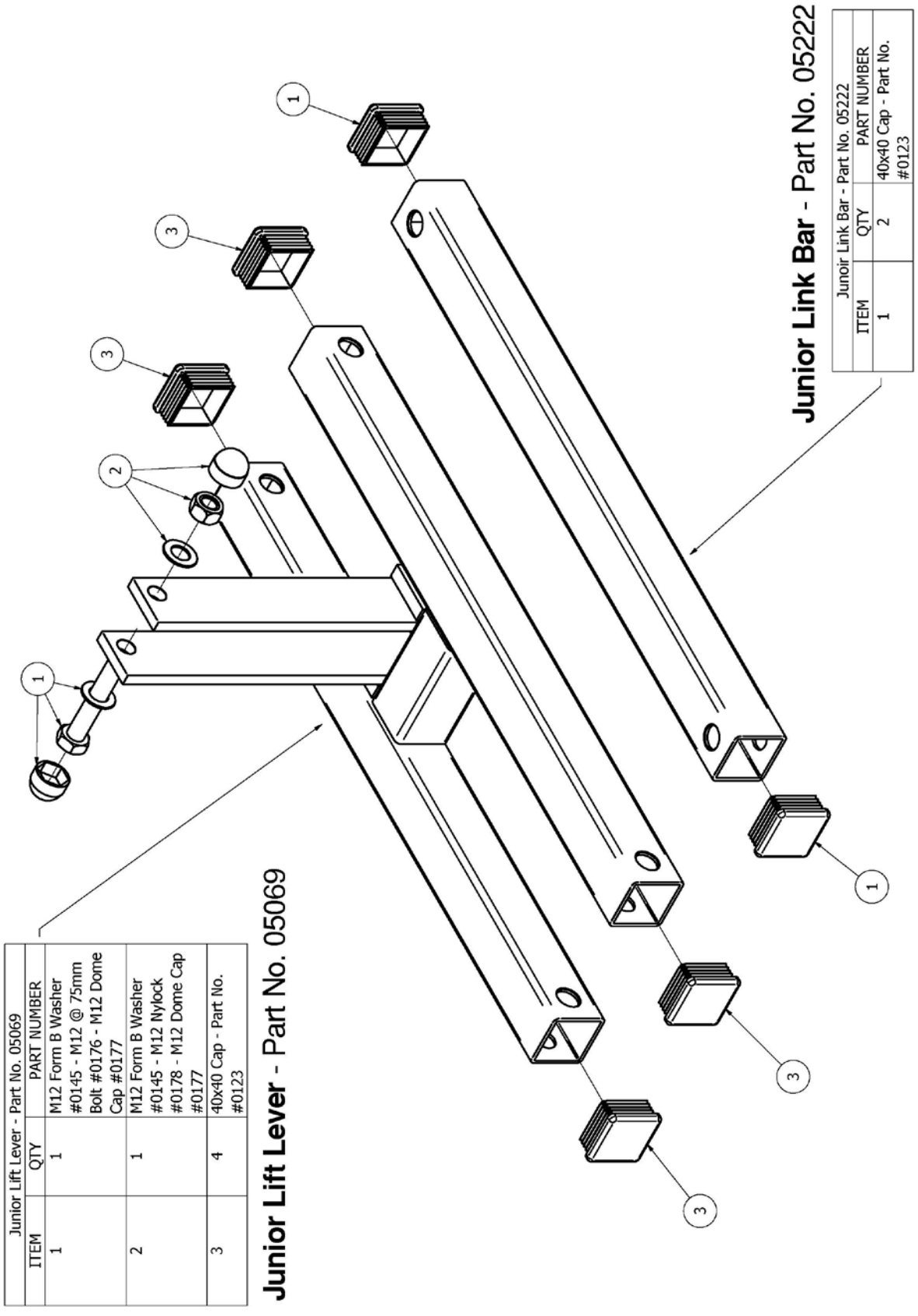
| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 4 | 40x40 Cap - Part No. #0123 |
| 2 | 1 | M12 Form B Washer #0145 - M12 @ 75mm Bolt #0176 - M12 Dome Cap #0177 |
| 3 | 1 | M12 Form B Washer #0145 - M12 Nylock #0178 - M12 Dome Cap #0177 |
| 4 | 4 | 75mm Toe Brake Castor |
| 5 | 4 | M10 - 25mm Dome Top Socket Head |
| 6 | 4 | M10 Nylock |
| 7 | 2 | 80x40 RHS Cap Thin - With Cut Out - Part No. #0131 |



## Junior 3 Top - Part No. 05067

| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 4 | 40x40 Cap - Part No. #0123 |
| 2 | 4 | 25.4x25.4 Cap - Part No. #0112 |
| 3 | 4 | M6 @ 50mm #0155 & Repair Washer #0184 |
| 4 | 4 | 9.5mm Dome Cap Star Lock - Part No. #0102 |
| 5 | 2 | 9.5mm Bright Round - 40mm - Part No. 01052 |



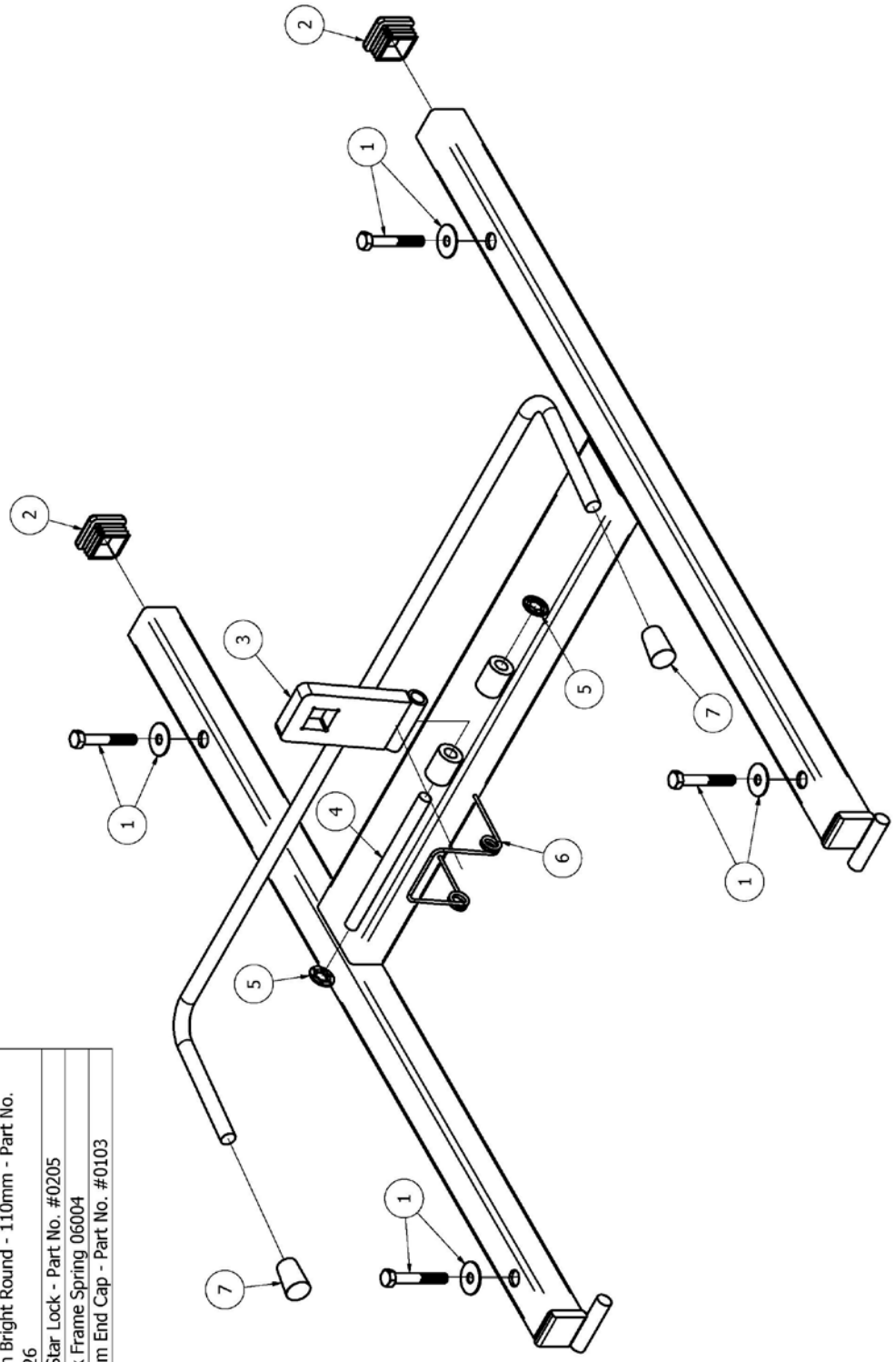



| Junior Lift Lever - Part No. 05069 | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 1 | M12 Form B Washer #0145 - M12 @ 75mm Bolt #0176 - M12 Dome Cap #0177 |
| 2 | 1 | M12 Form B Washer #0145 - M12 Nylock #0178 - M12 Dome Cap #0177 |
| 3 | 4 | 40x40 Cap - Part No. #0123 |

| Junoir Link Bar - Part No. 05222 | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 2 | 40x40 Cap - Part No. #0123 |

# Junior Backrest - Part No. 05011

| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 4 | M6 @ 40mm #0154 & Repair Washer #0184 |
| 2 | 2 | 25.4x25.4 Cap - Part No. #0112 |
| 3 | 1 | FB R Lever - Part No. 05013 |
| 4 | 1 | 8mm Bright Round - 110mm - Part No. 01026 |
| 5 | 2 | M8 Star Lock - Part No. #0205 |
| 6 | 1 | Back Frame Spring 06004 |
| 7 | 2 | 10mm End Cap - Part No. #0103 |



## 6. Guarantee and Service (UK only)

Plinth 2000 Ltd offer a 2 year parts guarantee on all 200 Range products delivered from January 2013. The only exclusion to this guarantee is for negligent damage or damage to upholstery coverings. This guarantee does not require registration of the product as we can trace it from its serial number, however in the event of the serial number being removed, missing or unreadable then this may void the guarantee. These terms do not affect your statutory rights.

**In addition to the above Plinth 2000 Ltd can offer both extended warranties and service contracts. For further information about either of these please contact:**

Customer Service
Plinth 2000 Ltd
Wetheringsett Manor
Wetheringsett
Stowmarket
Suffolk
IP14 5PP
Tel: 01449 767887
Mail: customerservice@plinth2000.com

In the event of returning a product or part to us then please follow the instructions for cleaning under section 2 before enclosing it in suitable packaging and returning it to the above address. In addition please ensure there is a statement confirming that it has been decontaminated and what the fault is along with relevant contact details.

### Worldwide

Please contact the distributor you purchased the chair from for service and support in your country. If you are unable to do so then please contact us in the UK and we will refer you to our local representative.

## 7. Technical Specifications

| | 202 | 203 |
|---|---|---|
| | | |
| Head Length (cm) | 63 | 63 |
| Seat Length (cm) | 124 | 56 |
| Foot Length (cm) | N/A | 63 |
| Width (cm) | 63 | 63 |
| Overall Length (cm) | 189 | 187 |
| Height Range (cm) | 51-94 | 51-94 |
| Max Working Load | 200kg | 200kg |
| Control | Hand switch | Hand switch |
| | | |
| Electrical Data 220/240v | | |
| | | |
| Motor(s) | UMEC | UMEC |
| Control Box | UMEC BC20 | UMEC BC20 |
| Current | 1.5A | 1.5A |
| Power | 200W | 200W |
| Mains Plug Fuse | 5.0A x 1 | 5.0A x 1 |
| Internal Fuse | Thermal | Thermal |
| System Voltage | 32v | 32v |
| IP Rating | IP54 | IP54 |
| | | |
| Electrical Data 110/120v | | |
| | | |
| Motor(s) | UMEC | UMEC |
| Control Box | UMEC BC20 | UMEC BC20 |
| Current | 2.0A | 2.0A |
| Power | 200W | 200W |
| Mains Plug Fuse | 5.0A x 1 | 5.0A x 1 |
| Internal Fuse | Thermal | Thermal |
| System Voltage | 32v | 32v |
| IP Rating | IP54 | IP54 |

### IEC 601-1 Electrical Safety Classification

All models are double insulated Type B equipment and marked as such.

Double Insulated

Type B Equipment

## 8. Revisions to Manual

| Pages | Issue No | Name | Date |
|---|---|---|---|
| All | Manual - 01 | Niall Dyer | 07.10.13 |
| All | Manual - 02 | Niall Dyer | 10.01.14 |

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