Plinth | 2000

# Gynaecology Couch

Models: 93G1, 93G2, & 93G3

# 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 users read and retain this User Manual for reference.

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 250kg 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 any time.**

## 2. Cleaning and Decontamination

**WARNING**

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

**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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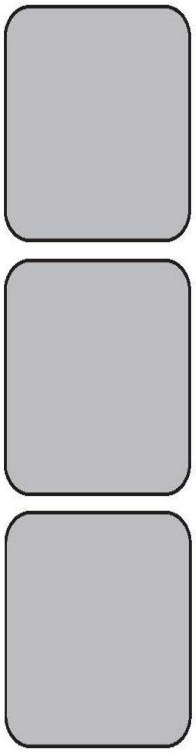
# Service Check Sheet

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

t: +44 (0)1449 767887
f: +44 (0)1449 766122
e: sales@plinth2000.com

**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



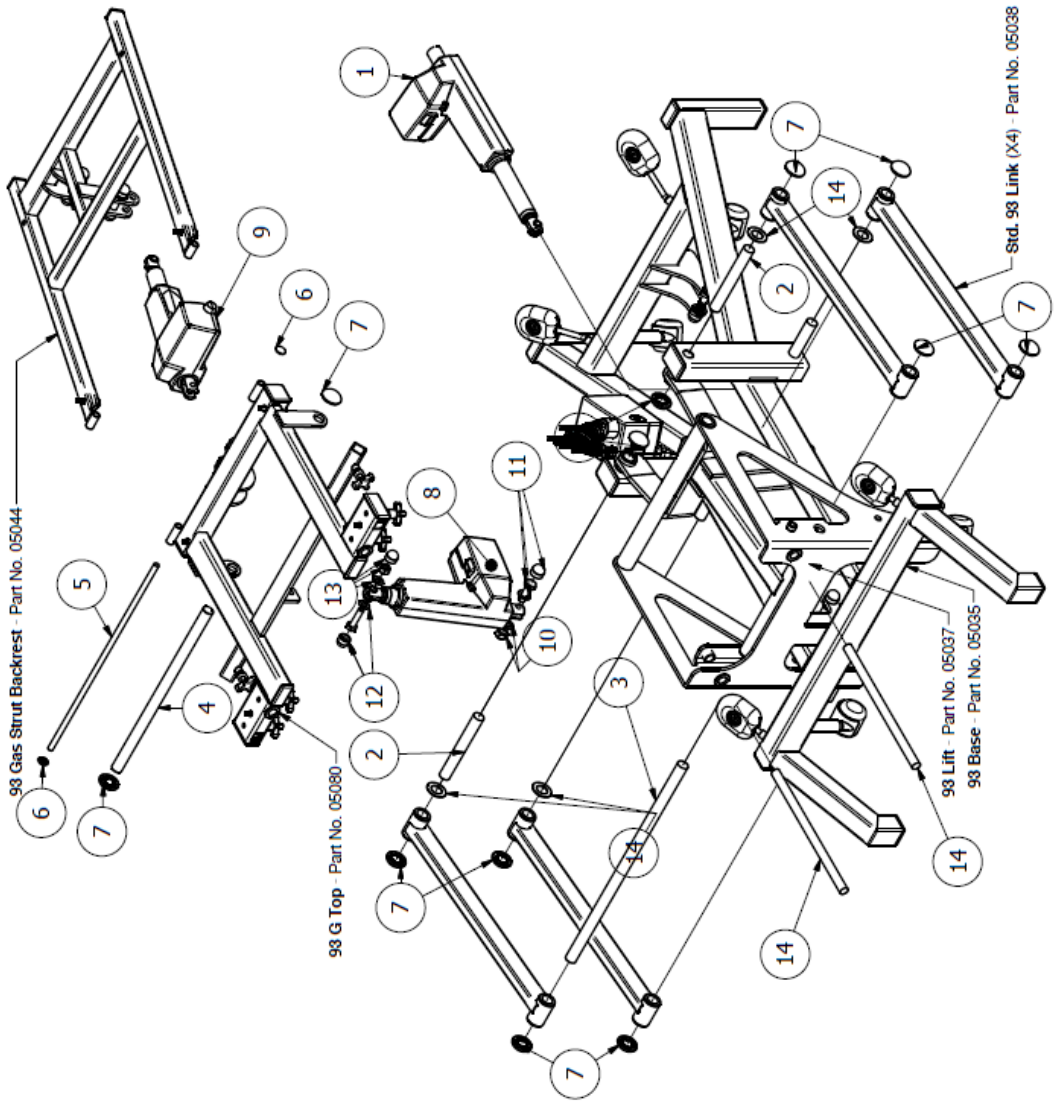
## 4. Troubleshooting

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.**

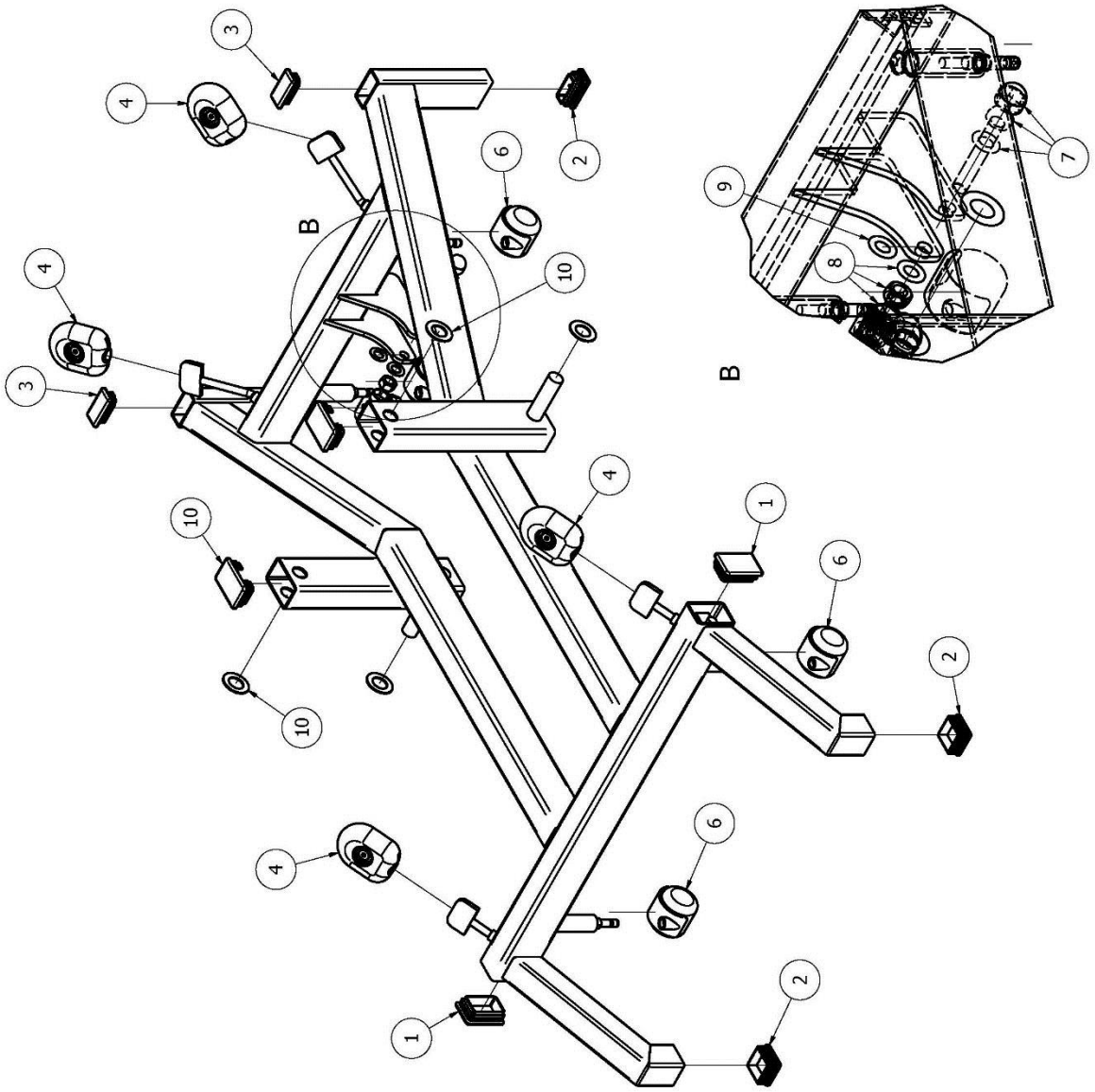
| Fault | Possible Cause | Remedy |
|---|---|---|
| Couch is unstable | Uneven floor | Move couch to flat floor |
| | Adjustable foot | Check presence, condition and adjustment of foot |
| All motors will not work (93G1 the only motor will not work) | Power disconnected | Connect power supply |
| | Fuse Blown | Replace fuse in plug |
| | Hand/ Footswitch disconnected | Check the switch is fully connected to the motor |
| One motor will not work but others working | Lead from height motor/control box not connected to slave motor | Check and connect all leads |
| | Fault with switch | Replace switch |
| | Fault with control box | Replace control box |
| | Fault with motor | Replace motor |
| Motor sinks | Switch permanently operated | Unplug and re-connect switch |
| | Motor fault | Replace motor |
| Backrest will not work (manual versions) | Gas spring incorrectly adjusted (not being triggered) | Rotate gas spring until the pin is just in contact with the lever (2-3mm play required) |
| | Gas spring faulty | Replace gas spring |
| Backrest sinks under load (manual versions) | Gas spring incorrectly adjusted (permanently triggered) | Rotate gas spring until the pin is just in contact with the lever (2-3mm play required) |
| Arm loops or leg supports slip | Locking thumbwheels not correctly tightened | Correctly tighten locking thumbwheels |
| | Thumbwheels damaged from over tightening | Replace thumbwheels |

## 5. Parts Lists and Diagrams

# 93 G3 - Gynaecology Chair

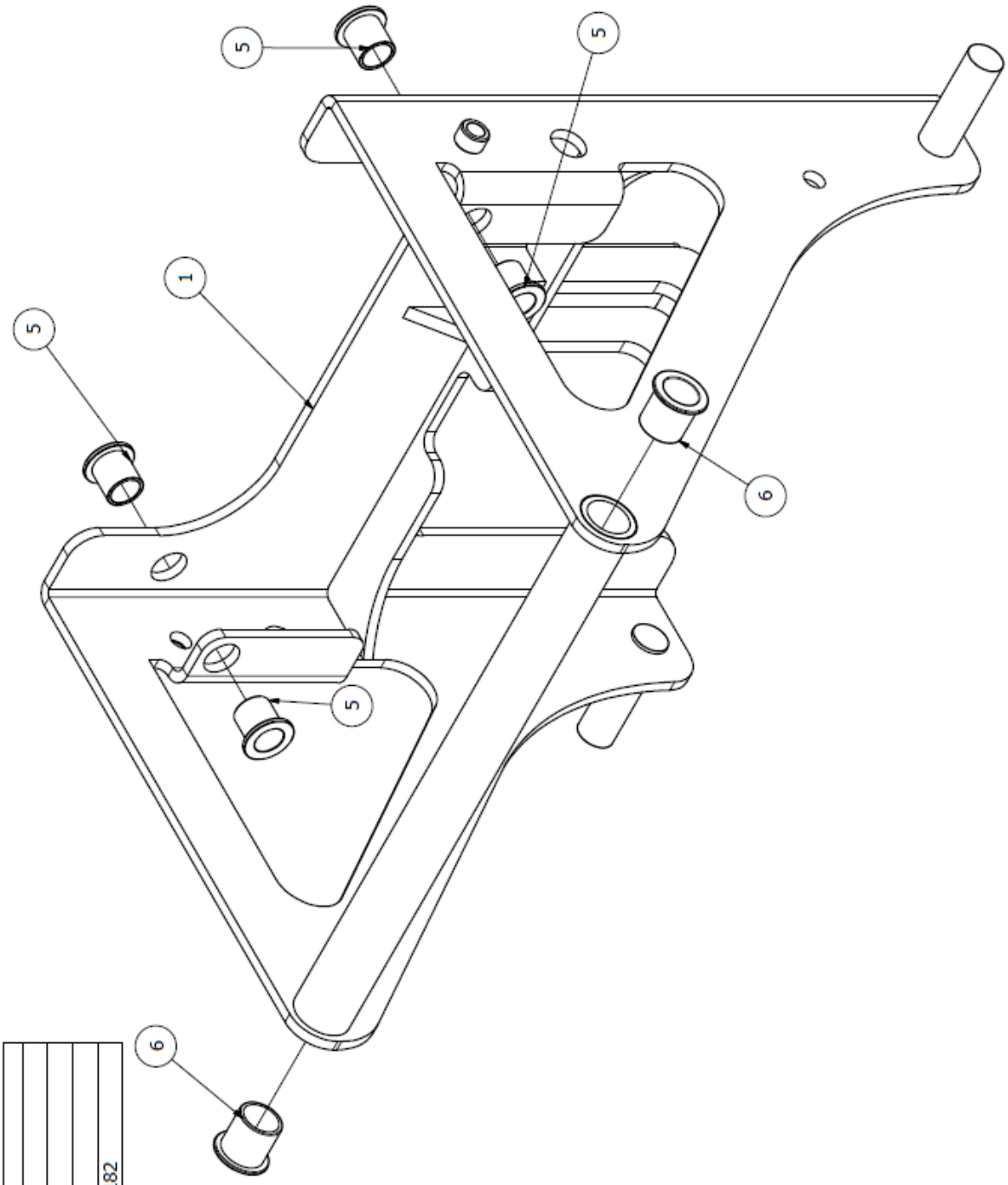



| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 1 | Linak LA31 - 200mm Stroke |
| 2 | 2 | 20mm Bright Round - 150mm - Part No. 01157 |
| 3 | 1 | 20mm Bright Round - 490mm - Part No. 01158 |
| 4 | 1 | 20mm Bright Round - 400mm - Part No. 01161 |
| 5 | 1 | 9.5mm Bright Round - 465mm - Part No. 01067 |
| 6 | 2 | 9.5mm Dome Cap Star Lock - Part No. #0102 |
| 7 | 12 | 20mm Dome Cap Star Lock - Part No. #0116 |
| 8 | 2 | Linak LA31 - 80mm Stroke |
| 9 | 1 | Linak LA31 - Turned - 150mm Stroke |
| 10 | 1 | M12 Form B Washer #0145 - M12 Nylock #0178 - M12 Dome Cap #0177 |
| 11 | 1 | M12 Form B Washer #0145 - M12 Bolt @ 35mm #0174 & M12 Dome Cap #0177 |
| 12 | 1 | M10 Form B Washer #0144 - M10 Bolt @ 40mm #0167 - M10 Dome Cap #0170 |
| 13 | 1 | M10 Form B Washer #0144 - M10 Nylock #0171 - M10 Dome Cap #0170 |
| 14 | 2 | 16mm Stainless Round @ 300mm - Part No. 01302 |
| 15 | 1 | Part No. 05245 - Folded 93 Middle |




## 93 Base - Part No. 05035

| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 2 | 60x40 Cap - Part No. #0127 |
| 2 | 2 | 40x40 Cap - Part No. #0123 |
| 1 | 1 | 50.8x25.4 Foot Adjuster - Part No. #0125 |
| 2 | 3 | 50.8x25.4 Cap Thick - Part No. #0124 |
| 3 | 4 | 50x25 Cap - Part No. #0126 |
| 4 | 4 | Paddle Cover - Part No. #0180 |
| 5 | 4 | Wheel Stem - Part No. #0189 |
| 6 | 4 | 50mm Castor - Part No. #0190 |
| 7 | 1 | M12 Form B Washer #0145 - M12 @ 75mm Bolt #0176 - M12 Dome Cap #0177 |
| 8 | 1 | M12 Form B Washer #0145 - M12 Nylock #0178 - M12 Dome Cap #0177 |
| 9 | 1 | M12 Form B Washer - Part No. #0145 |
| 10 | 8 | Form B 20mm Washer - Part No. #0146 |
| 10 | 4 | 60x40 Cap Center Cut Out - Part No. #0127A |

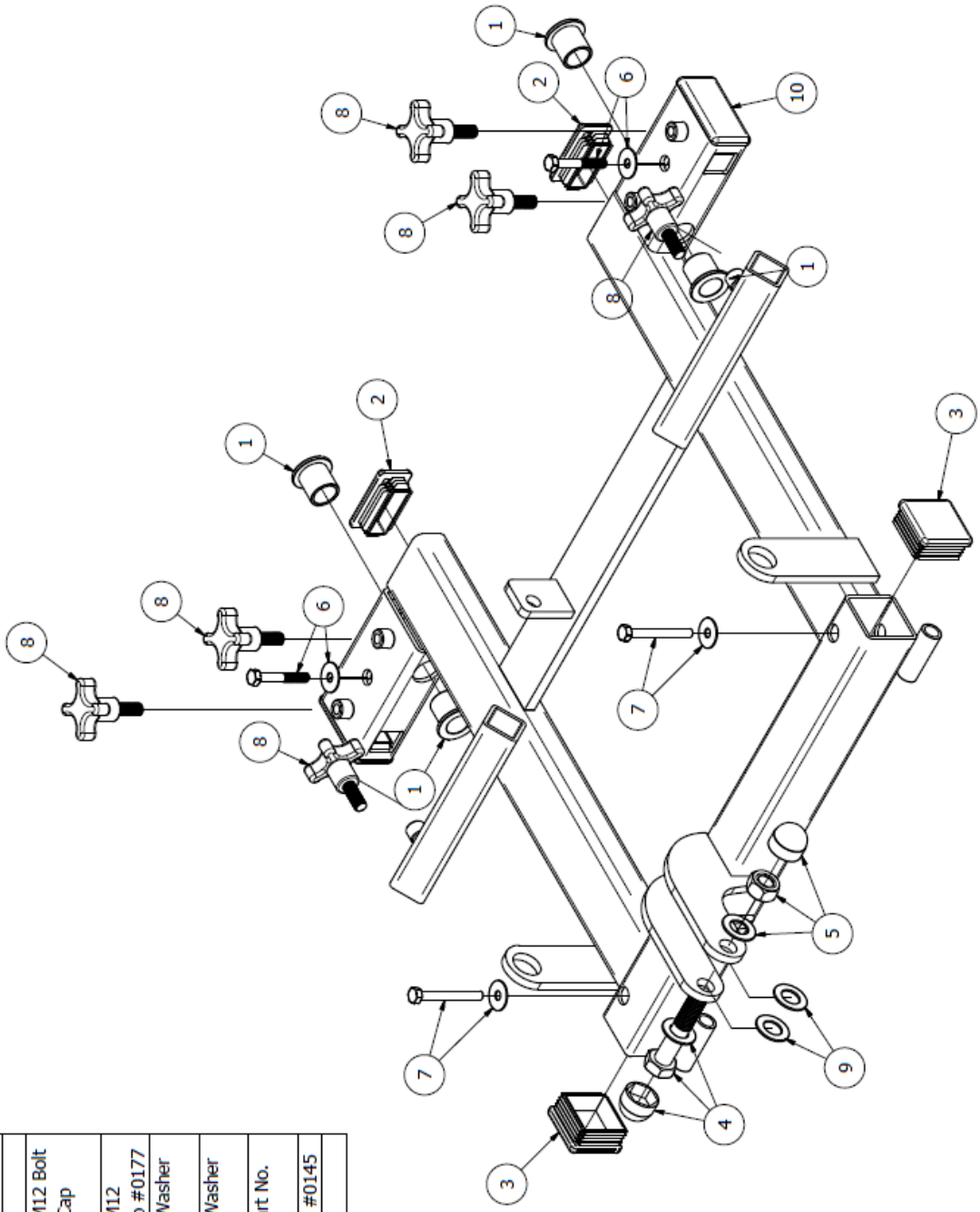



**Std. 93 Middle** - Part No. 05245

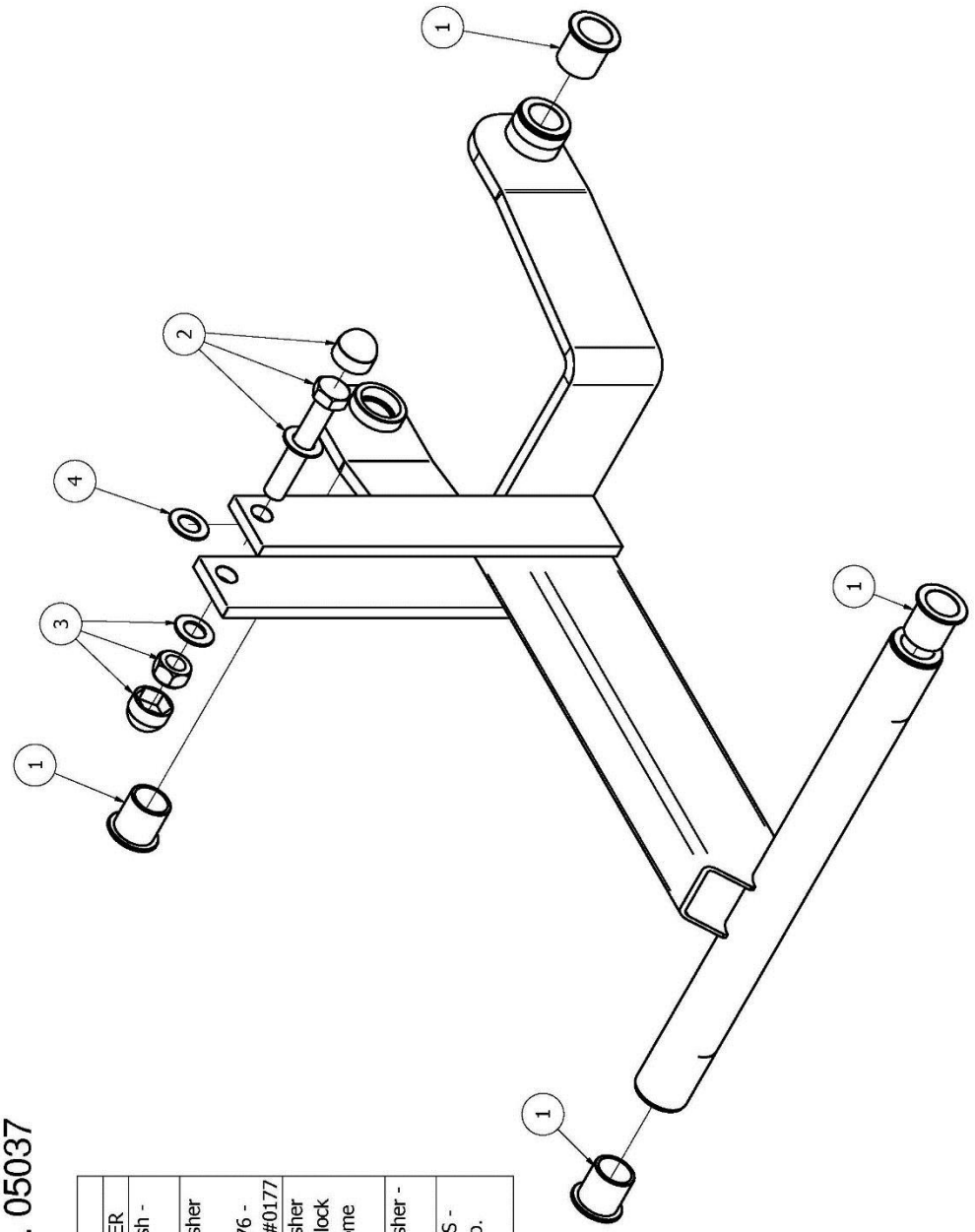
| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 1 | Part No. 04134 - 6mm |
| 5 | 4 | 16mm Nylon Bush |
| 6 | 2 | 20mm Nylon Bush - Part No. #0182 |

## 93 G Top - Part No. 05080

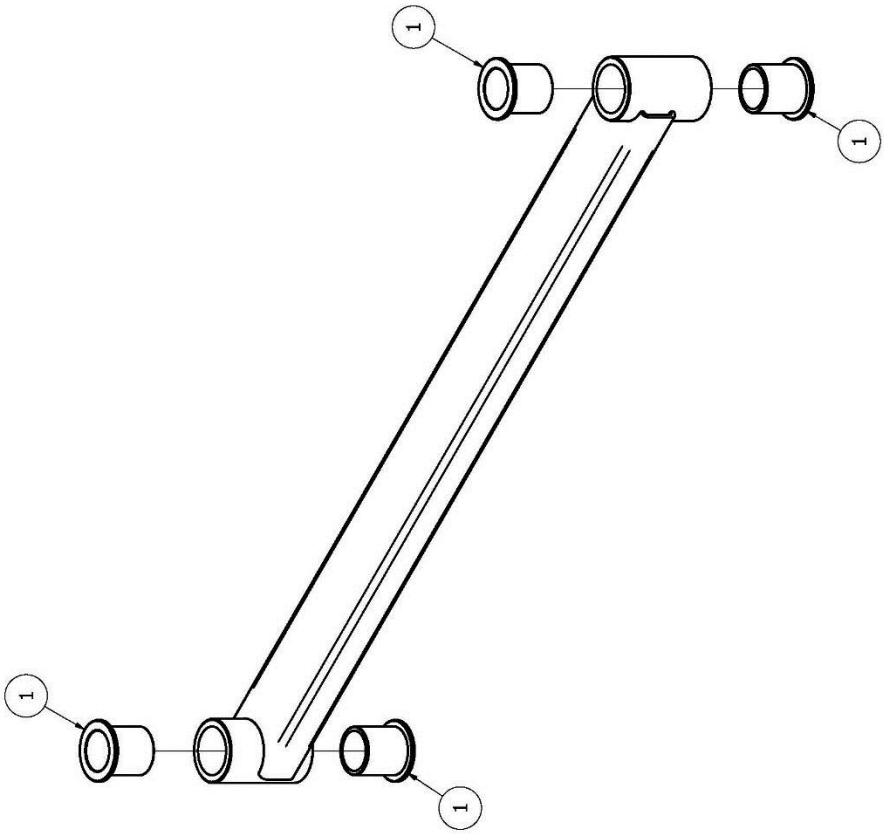
| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 4 | 16mm Nylon Bush - Part No. #0111 |
| 2 | 2 | 50x25 Cap - Part No. #0126 |
| 3 | 2 | 40x40 Cap - Part No. #0123 |
| 4 | 1 | M12 Form B Washer #0145 - M12 Bolt @ 60mm #0175 - M12 Dome Cap #0177 |
| 5 | 1 | M12 Form B Washer #0145 - M12 Nylock #0178 - M12 Dome Cap #0177 |
| 6 | 2 | M6 @ 40mm #0154 & Repair Washer #0184 |
| 7 | 2 | M6 @ 50mm #0155 & Repair Washer #0184 |
| 8 | 6 | M8 Star Handwheel - Male - Part No. #0162 |
| 9 | 2 | M12 Form B Washer - Part No. #0145 |
| 10 | 2 | 60x30 Cap - Part No. #0256 |



## Std. 93 Lift - Part No. 05037




| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 8 | 20mm Nylon Bush - Part No. #0182 |
| 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 | 1 | M12 Form B Washer - Part No. #0145 |
| 5 | 1 | 31.75x4.06 - CDS - 350mm - Part No. 02013 |

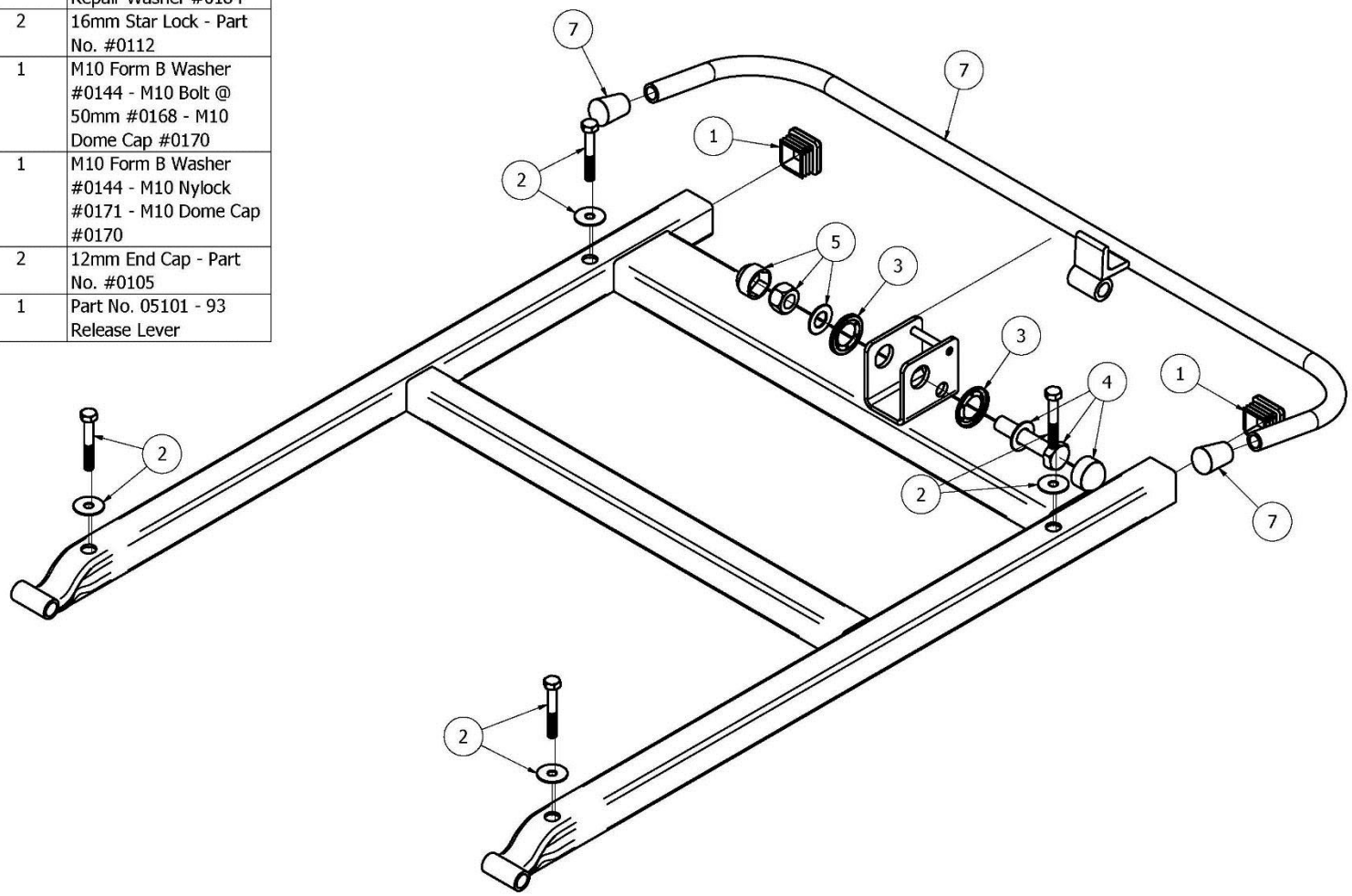



**Std. 93 Link** - Part No. 05038

| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 4 | 20mm Nylon Bush - Part No. #0182 |

# **93 Gas Strut BF** - Part No. 05044

| PARTS LIST | | |
|---|---|---|
| ITEM | QTY | PART NUMBER |
| 1 | 2 | 25.4x25.4 Cap - Part No. #0112 |
| 2 | 4 | M6 @ 40mm #0154 & Repair Washer #0184 |
| 3 | 2 | 16mm Star Lock - Part No. #0112 |
| 4 | 1 | M10 Form B Washer #0144 - M10 Bolt @ 50mm #0168 - M10 Dome Cap #0170 |
| 5 | 1 | M10 Form B Washer #0144 - M10 Nylock #0171 - M10 Dome Cap #0170 |
| 6 | 2 | 12mm End Cap - Part No. #0105 |
| 7 | 1 | Part No. 05101 - 93 Release Lever |



## 6. Guarantee and Service (UK only)

Plinth 2000 Ltd offer a 5 year parts guarantee on all Premium Range products delivered from January 2013 and a lifetime frame guarantee. 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 5 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

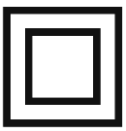
Please contact the distributor you purchased the couch from for service and support in your country. If you are unable to do so then please contact us in the UK and we will refer you to our local representative.

## 7. Technical Specifications

| | 93G1 | 93G2 | 93G3 | |
|---|---|---|---|---|
| | | | | |
| **Head Length (cm)** | **88** | **88** | **88** | |
| **Seat Length (cm)** | **55** | **55** | **55** | |
| **Foot Length (cm)** | **N/A** | **N/A** | **N/A** | |
| **Width (cm)** | **63** | **63** | **63** | |
| **Overall Length (cm)** | **144** | **144** | **144** | |
| **Height Range (cm)** | **53-101** | **53-101** | **53-101** | |
| **Max Working Load** | **250kg** | **250kg** | **250kg** | |
| **Control** | **Hand switch** | **Hand switch** | **Hand switch** | |
| | | | | |
| **Electrical Data 220/240v** | | | | |
| | | | | |
| **Motor(s)** | **Linak LA31 x 1** | **Linak LA31 x 2** | **Linak LA31 x 3** | |
| **Control Box** | **Linak CB09** | **Linak CB09** | **Linak CB09** | |
| **Current** | **1.5A** | **1.5A** | **1.5A** | |
| **Power** | **360W** | **360W** | **360W** | |
| **Mains Plug Fuse** | **5.0A x 1** | **5.0A x 1** | **5.0A x 1** | |
| **Internal Fuse** | **1.5A x 1** | **1.5A x 1** | **1.5A x 1** | |
| **System Voltage** | **24v** | **24v** | **24v** | |
| **IP Rating** | **IPX4** | **IPX4** | **IPX4** | |
| | | | | |
| **Electrical Data 110/120v** | | | | |
| | | | | |
| **Motor(s)** | **Linak LA31 x 1** | **Linak LA31 x 2** | **Linak LA31 x 3** | |
| **Control Box** | **Linak CB09** | **Linak CB09** | **Linak CB09** | |
| **Current** | **2.7A** | **2.7A** | **2.7A** | |
| **Power** | **360W** | **360W** | **360W** | |
| **Mains Plug Fuse** | **5.0A x 1** | **5.0A x 1** | **5.0A x 1** | |
| **Internal Fuse** | **3.0A x 1** | **3.0A x 1** | **3.0A x 1** | |
| **System Voltage** | **24v** | **24v** | **24v** | |
| **IP Rating** | **IPX4** | **IPX4** | **IPX4** | |

### 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 | 15.10.12 |
| All | Manual - 02 | Niall Dyer | 07.10.13 |
| 8, 9, 11, 12, 17 | Manual – 03 | Martin Lankester | 25.08.16 |

**Plinth 2000 Ltd**
**Wetheringsett Manor**
**Wetheringsett**
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**IP14 5PP**
**ENGLAND**

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