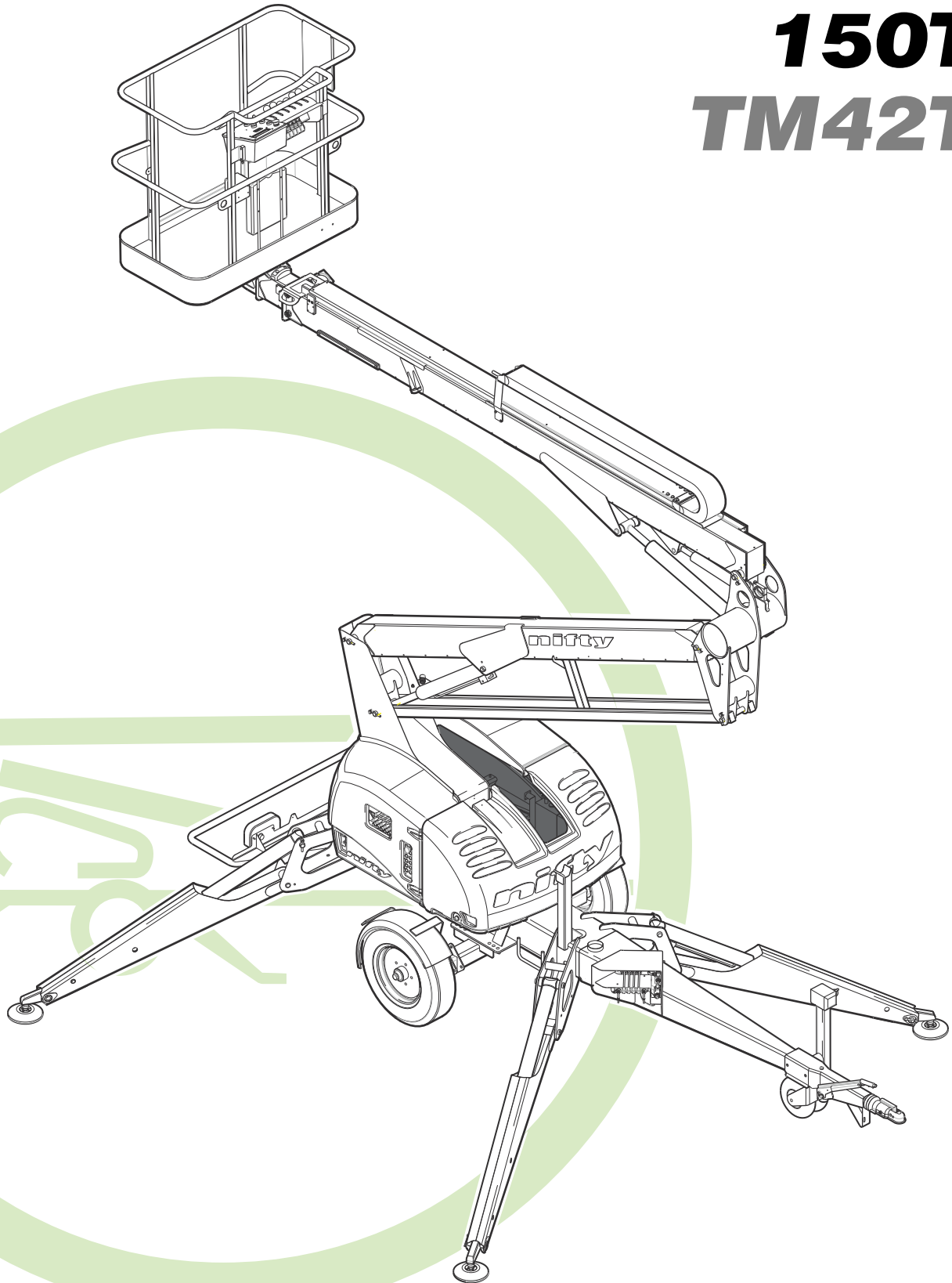




# nifty

## 150T TM42T



niftylift.com

**M50140/09**



**Issue 9**  
**(December 2017)**

**illustrated parts manual**

**Manuel illustré de pièces détachées**

**Illustrierte Stückliste**

**Manual de piezas ilustrado**



Please Note, at the time of going to press, all information, illustrations details and descriptions contained herein are valid. Niftylift reserves the right to change, alter, modify or improve its products without any obligation to install them on previously manufactured machines.

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**Niftylift Ltd.**  
**Chalkdell Drive**  
**Shenley Wood**  
**Milton Keynes**  
**MK5 6GF**  
**United Kingdom**

**Niftylift Inc.**  
**1525 S.Buncombe Road**  
**Greer**  
**SC 29651**  
**USA**

Tel +44 (0)1908 857899  
 Fax +44 (0)1908 227460

1 864 968 8881  
 1 864 968 8836

## Ordering of Parts

When ordering a replacement part for your Niftylift product, please state the following:

- Machine Model and Serial number      Niftylift Part number
- Full description of the part      Quantity required
- Purchase Order number      Destination address

## Machine Information

Model number. .... Date of Purchase .....

Serial number .....

Veuillez noter qu'au moment de la mise sous presse, l'ensemble des informations, illustrations, détails et descriptions, contenus dans le présent document, sont valides. Niftylift se réserve le droit de changer ou d'améliorer ses produits sans obligation de montage sur les anciennes machines.

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## Commande de pièces

Lors de la commande de pièces de rechange pour votre machine Niftylift, veuillez indiquer ce qui suit:

- Modèle et numéro de série de la machine      Référence de la pièce Niftylift
- Description complète de la pièce      Quantité requise
- Numéro de commande      Adresse de destination

## Informations relatives à la machine

Numéro de modèle ..... Date d'achat .....

Numéro de série .....



Bitte nehmen Sie zur Kenntnis, dass alle hierin enthaltenen Informationen, Illustrationen und Beschreibungen zum Zeitpunkt des Drucks gültig sind. Niftylift behält sich das Recht vor, Produkte zu wechseln, ändern, modifizieren und zu verbessern, ohne verpflichtet zu sein, sie an früher gefertigten Maschinen zu installieren.

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**SC 29651**  
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## Bestellen von Ersatzteilen

Bei der Bestellung eines Ersatzteils für Ihr Produkt von Niftylift geben Sie bitte folgende Einzelheiten an:

- |                                       |                     |
|---------------------------------------|---------------------|
| • Maschinenmodell und Seriennummer    | Niftylift Art.-Nr.  |
| • Ausführliche Beschreibung des Teils | Erforderliche Menge |
| • Bestellnummer                       | Bestimmungsadresse  |

## Maschineninformationen

Modellnummer ..... Kaufdatum. ....  
 Seriennummer. ....

Por favor, observe que en el momento de pasar a imprenta, toda la información, ilustraciones y descripciones contenidas en el presente documento eran válidas. Niftylift se reserva el derecho de cambiar, alterar, modificar o mejorar sus productos, sin obligación alguna de instalar dichos cambios en máquinas fabricadas anteriormente.

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## Pedido de piezas

Al realizar el pedido de una pieza de recambio para su producto Niftylift, sírvase especificar lo siguiente:

- |                                          |                           |
|------------------------------------------|---------------------------|
| • Modelo y número de serie de la máquina | Número de pieza Niftylift |
| • Descripción completa de la pieza       | Cantidad requerida        |
| • Número de orden de compra              | Dirección de destino      |

## Información de la máquina

Número de modelo ..... Fecha de compra .....  
 Número de serie .....





# Parts Order Form (make copies for use)

**niftylift****Bon de commande de pièces** (Faire des photocopies pour vos commandes ultérieures)**tel +44 (0)1908 857899****Bestellformular für Ersatzteile** (bitte Kopien zur zukünftigen Verwendung machen)**fax +44 (0)1908 227460****Impreso de pedido de piezas** (haga copias para el uso)**www.niftylift.com****name** nom name nombre**date** date datum fecha**address** adresse adresse dirección  
  
  
**delivery address**

adresse de livraison

lieferadresse

dirección de entrega

  
  
  
**telephone** téléphone tel.-Nr. teléfono**fax** fax-Nr.**email** e-mail**purchase order number**

numéro de commande

bestellnummer

número de orden de compra

| <b>Part Number</b><br>Référence pièce<br>Art.-Nr.<br>Número de pieza | <b>description</b><br>description<br>beschreibung<br>descripción | <b>quantity</b><br>quantité<br>menge<br>cantidad | <b>price</b><br>prix<br>preis<br>precio |
|----------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------|
| P                                                                    |                                                                  |                                                  |                                         |
| P                                                                    |                                                                  |                                                  |                                         |
| P                                                                    |                                                                  |                                                  |                                         |
| P                                                                    |                                                                  |                                                  |                                         |
| P                                                                    |                                                                  |                                                  |                                         |
| P                                                                    |                                                                  |                                                  |                                         |
| P                                                                    |                                                                  |                                                  |                                         |
| P                                                                    |                                                                  |                                                  |                                         |

**Note:** If items have decals/labels attached, these are **not included** (unless stated otherwise), they must be ordered separately using the part (P) number printed on the decal.

**Remarque :** si les composants sont dotés d'autocollants/étiquettes, ceux-ci **ne sont pas inclus** (sauf avis contraire). Ils doivent être commandés séparément en indiquant le numéro de référence (P) imprimé sur l'autocollant.

**Anmerkung:** Wenn an Gegenständen Klebebilder/Etiketten angebracht sind, sind diese (sofern nicht anders angegeben) **nicht enthalten** und müssen separat mit Hilfe der auf den Klebebildern abgedruckten Teilenummern (P) bestellt werden.

**Nota:** Si los artículos llevan acopladas calcomanías/etiquetas, éstas **no se incluirán** (a menos que se indique lo contrario); deberán pedirse por separado utilizando el número de pieza (P) impreso en la calcomanía.

Alternatively, details of your order can be emailed to **service@niftylift.com**

Alternativement, le détail de votre commande peut nous être envoyé par email à **service@niftylift.com**

Als Alternative können Sie Ihre Bestellung auch an **service@niftylift.com** senden

Alternativamente, los detalles de su pedido pueden enviarse por e-mail a **service@niftylift.com**

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## Issue Records

| Chapter      | Pages | Issue | Date    | Comments/Changes           |
|--------------|-------|-------|---------|----------------------------|
| Introduction | 8     | 9     | 12/2017 | Ninth issue                |
| 1            | 24    | 8     | 12/2017 | Revisions on pages 1-8/9   |
| 2            | 28    | 8     | 12/2017 | Revisions on pages 2-22/23 |
| 3            | 16    | 3     | 07/2012 | Third issue                |
| 4            | 10    | 6     | 12/2017 | Revisions on pages 4-6/8   |
| 5            | 16    | 5     | 12/2017 | Fifth issue                |

\* When ordering parts for machines other than the stated serial number, it is advisable to contact the Parts Department;

|              | United Kingdom               | USA                           |
|--------------|------------------------------|-------------------------------|
| <i>Tel</i>   | <b>+44 (0)1908 857899</b>    | <b>1 864 968 8881</b>         |
| <i>Fax</i>   | <b>+44 (0)1908 227460</b>    | <b>1 864 968 8836</b>         |
| <i>Email</i> | <b>service@niftylift.com</b> | <b>niftyusa@niftylift.com</b> |



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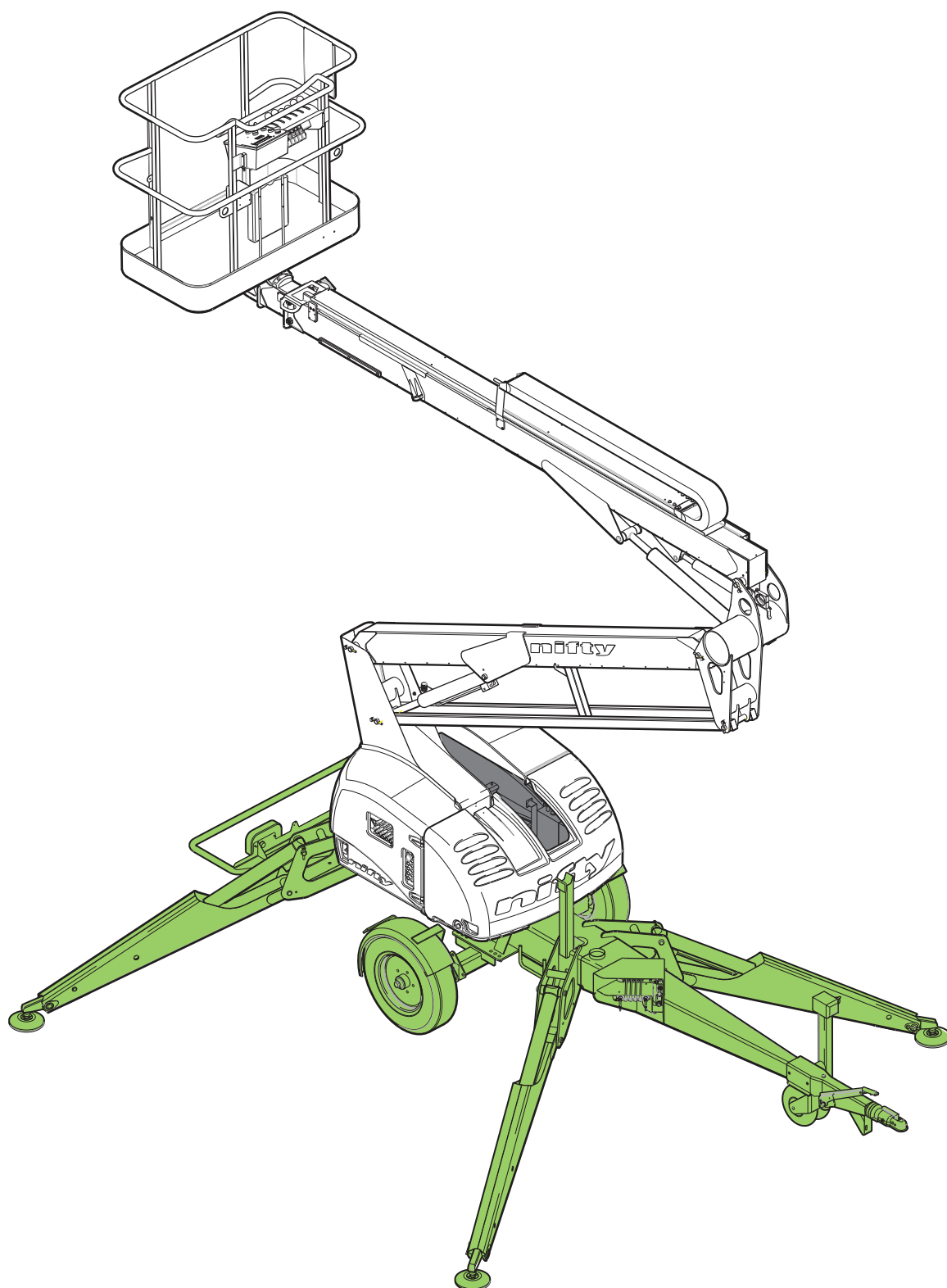
## 150T (TM42T)

*illustrated parts manual*

*Manuel illustré de pièces détachées*

*Illustrierte Stückliste*

*Manual de piezas ilustrado*



**1**

**chassis assembly**

french  
german  
spanish

## 1.1 Base assembly

Item Description Part Number

|      |                                                                                      |  |  |  |                                                |
|------|--------------------------------------------------------------------------------------|--|--|--|------------------------------------------------|
| 1    | Slew ring                                                                            |  |  |  | P16817                                         |
| 2    | Chassis                                                                              |  |  |  | P17903                                         |
| 3    | Wheel & Tyre<br>195R14                                                               |  |  |  | P18388                                         |
| 4    | Bike bar - LH/RH<br>Rear                                                             |  |  |  | P18470                                         |
| 5    | Bike bar - LH/RH<br>Centre                                                           |  |  |  | P18469                                         |
| 6    | Centring device                                                                      |  |  |  | P18491                                         |
| 7    | Spirit level                                                                         |  |  |  | P10228                                         |
| 8    | Bike bar - LH/RH<br>Front                                                            |  |  |  | P18468                                         |
| 9    | Mudguard bracket                                                                     |  |  |  | P17784                                         |
| 10   | Rubber grommet                                                                       |  |  |  | P15087                                         |
| 11   | Mudguard<br>Standard<br>Traction Drive                                               |  |  |  | P11109<br>P17239                               |
| 12   | Control valve<br>See "Control valve<br>(4 spool)" on<br>page 1-16                    |  |  |  | P15518                                         |
| 13 * | Seal kit for item 12                                                                 |  |  |  | P70337                                         |
| 14   | Micro switch                                                                         |  |  |  | P30387                                         |
| 15   | Manual selector valve<br>Lever ONLY<br>Rubber gaiter<br>Gasket *<br>Guard            |  |  |  | P12578<br>P18090<br>P19119<br>P32414<br>P27456 |
| 16   | Jockey wheel<br>See "Jockey wheel<br>assembly" on<br>page 1-14                       |  |  |  | P25035                                         |
| 17   | Tow coupling<br>Tow coupling - USA<br>See "Tow coupling<br>assembly" on<br>page 1-12 |  |  |  | P10479<br>P11514                               |
| 18   | Brake rod - 1.7m                                                                     |  |  |  | P16892                                         |
| 19   | Balance bar<br>Domed nut * M8<br>M10                                                 |  |  |  | P27871<br>P27872<br>P27873                     |

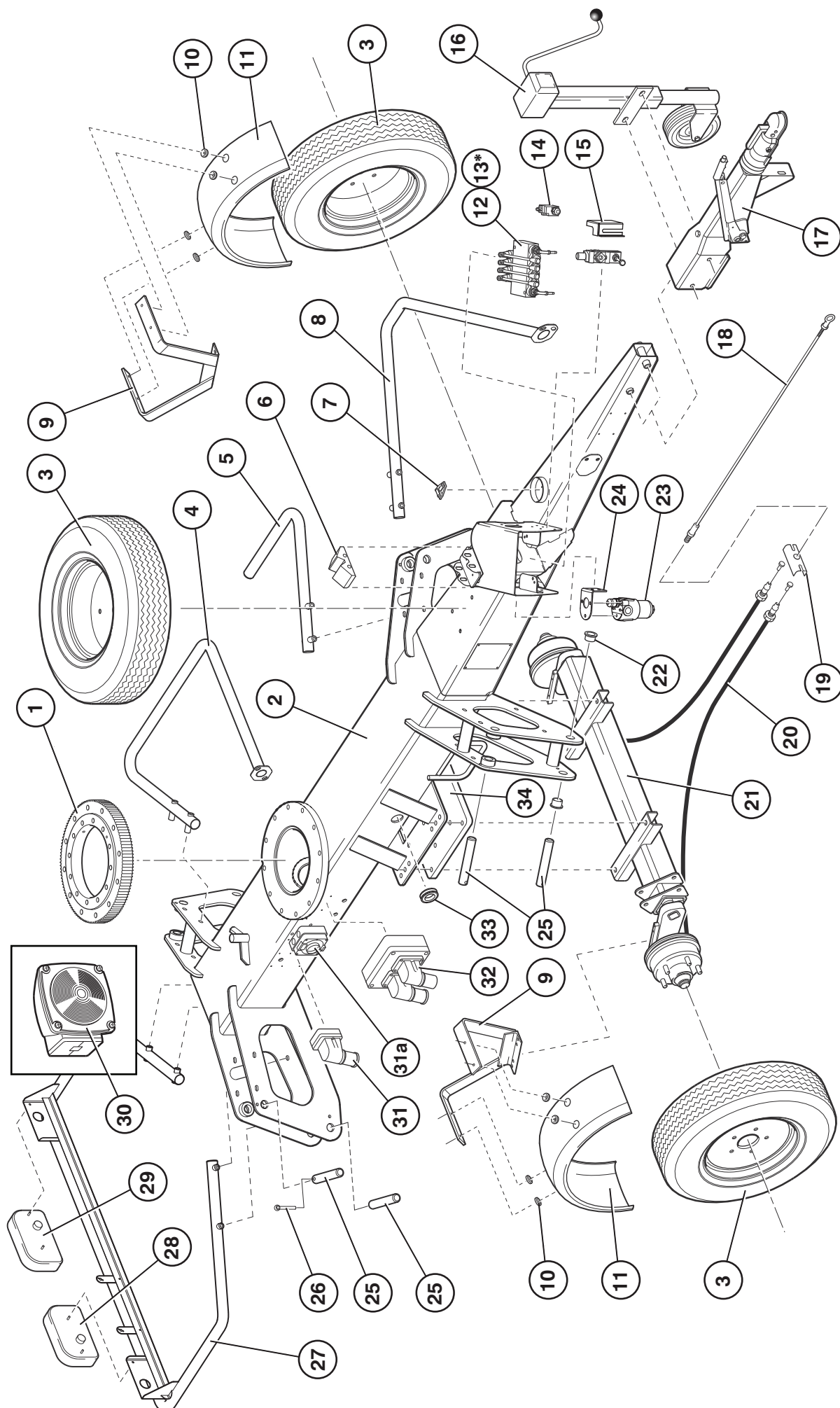
\* Not illustrated

issue 08

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french  
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spanish

chassis assembly



french  
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spanish

**chassis assembly**

**Figure 1.1 Base assembly**

## 1.1 continued

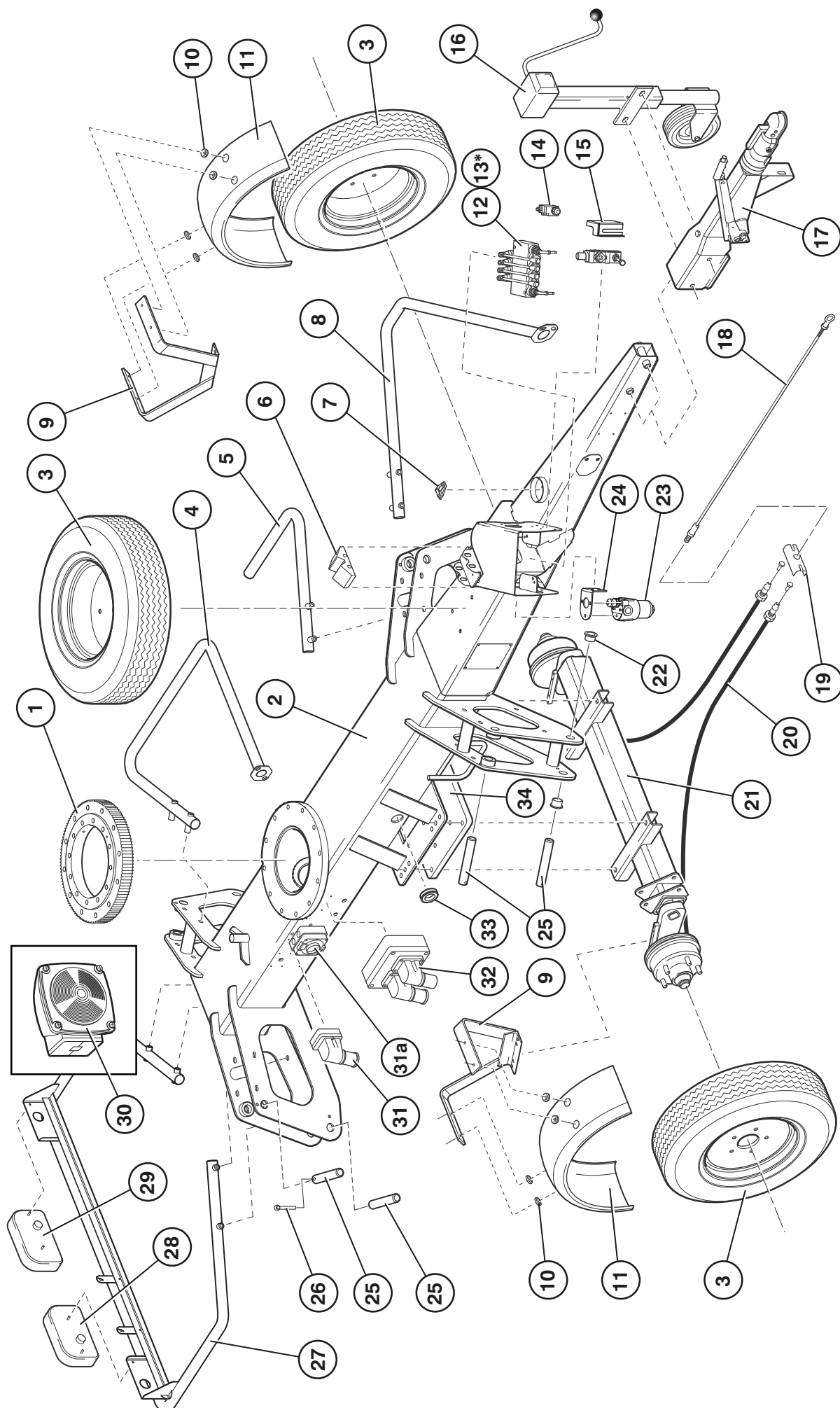
| Item | Description | Part Number |
|------|-------------|-------------|
|------|-------------|-------------|

|    |                                                                                               |                            |
|----|-----------------------------------------------------------------------------------------------|----------------------------|
| 20 | Brake cable - 1.6m                                                                            | P17494                     |
| 21 | Axle                                                                                          | P17375                     |
| 22 | Bush                                                                                          | P12863                     |
| 23 | Pressure Filter<br>Element ONLY<br>Condition Indicator                                        | P26267<br>P28924<br>P24945 |
| 24 | Bracket                                                                                       | P26326                     |
| 25 | Pin - 175mm                                                                                   | P15953                     |
| 26 | Swing bolt                                                                                    | P15966                     |
| 27 | Bike bar/Lighting<br>bracket - Rear                                                           | P24312                     |
| 28 | Rear Light <b>RH</b><br>Australia/SA                                                          | P24237<br>P18423           |
| 29 | Rear Light <b>LH</b><br>Australia/SA                                                          | P24236<br>P18424           |
| 30 | Rear Light <b>USA</b><br>Side Lens<br>Rear Lens                                               | P20906<br>P21146<br>P20907 |
| 31 | Socket inlet - <b>240v</b><br><b>110v</b><br><b>(a) Australia ONLY</b>                        | P10174<br>P10750<br>P18303 |
| 32 | Dual voltage change<br>over unit (110/240v)<br>See "Voltage change<br>over unit" on page 1-22 | P20415                     |
| 33 | Grommet                                                                                       | P11283                     |
| 34 | Ballast - 57kg                                                                                | P30030                     |

french  
german  
spanish

chassis assembly





french  
german  
spanish

**chassis assembly**

1-5

1.2 Traction drive assembly

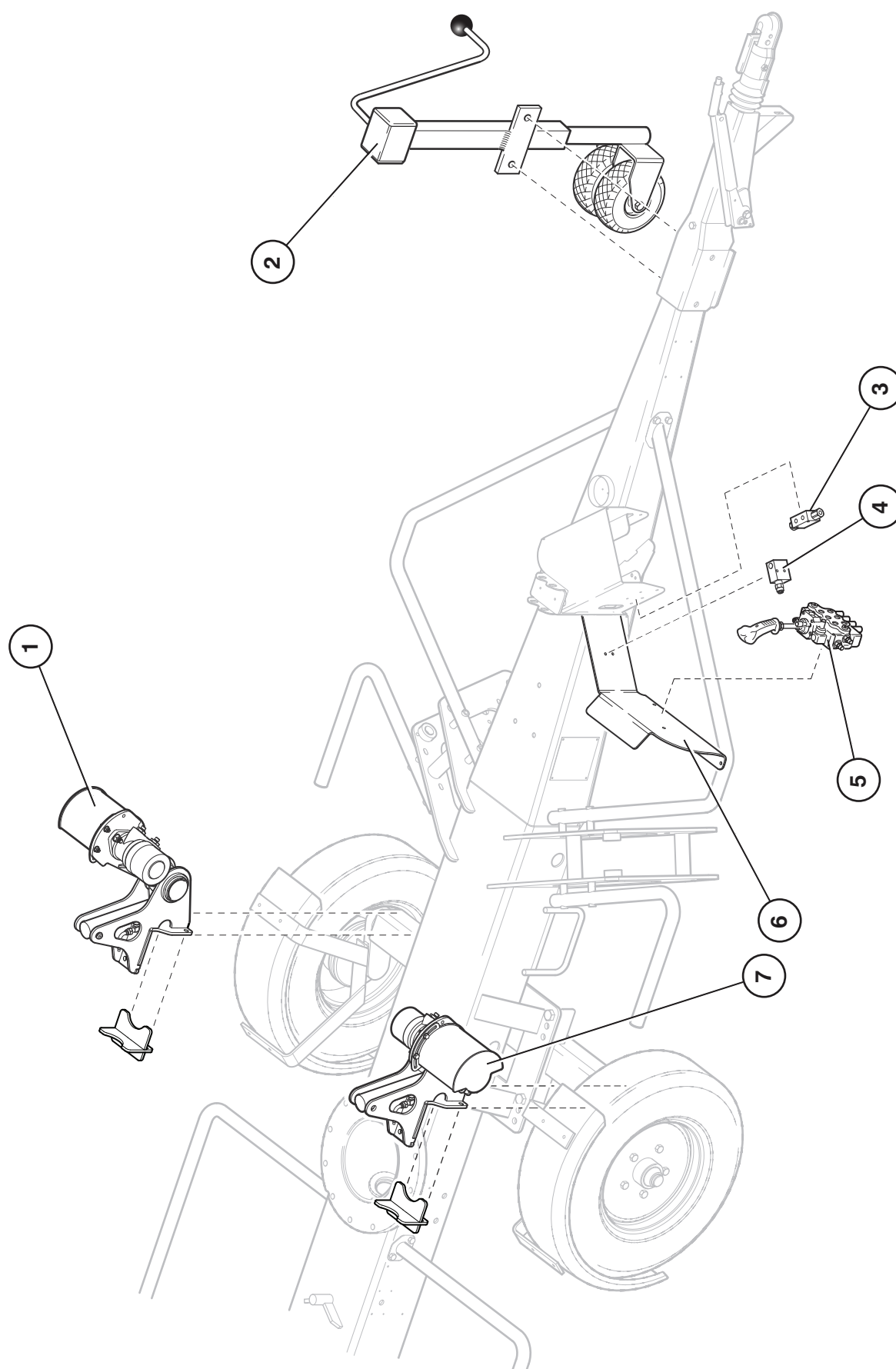
Item      Description      Part Number

|   |                                                                    |  |  |  |                  |
|---|--------------------------------------------------------------------|--|--|--|------------------|
| 1 | Traction drive unit<br>LH<br>See "Traction drive unit" on page 1-8 |  |  |  | N/A              |
| 2 | Jockey wheel<br>See "Jockey wheel assembly" on page 1-14           |  |  |  | P25036           |
| 3 | Check valve                                                        |  |  |  | P10665           |
| 4 | Relief valve<br>Cartridge ONLY                                     |  |  |  | P16548<br>P22324 |
| 5 | Valve block<br>See "Valve block (Traction drive)" on page 1-18     |  |  |  | P14395           |
| 6 | Bracket                                                            |  |  |  | P18856           |
| 7 | Traction drive unit<br>RH<br>See "Traction drive unit" on page 1-8 |  |  |  | N/A              |

french  
german  
spanish

chassis assembly

1-6



french  
german  
spanish

**chassis assembly**

1-7

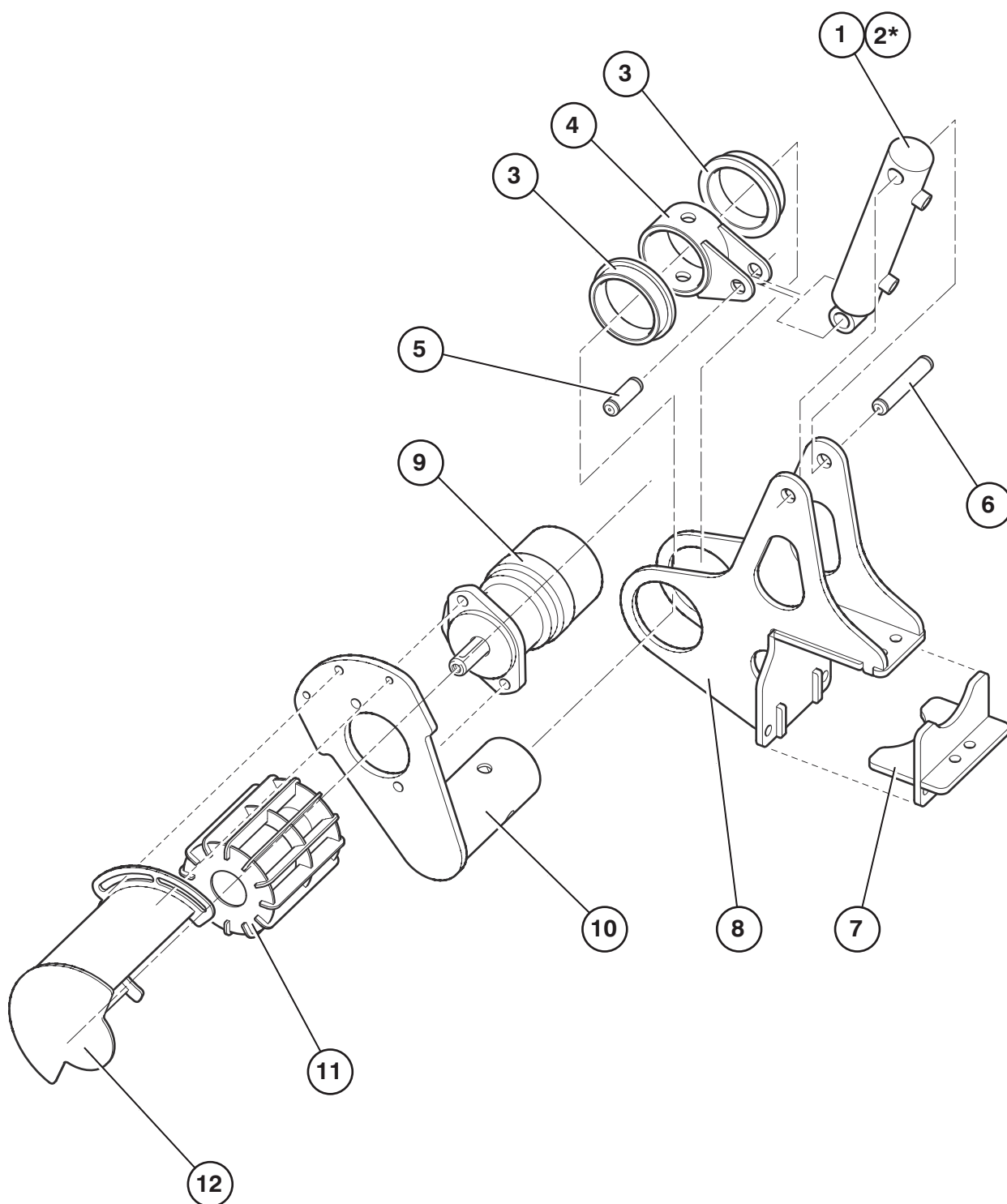
## 1.3 Traction drive unit

| Item | Description                | Part Number |  |  |                  |
|------|----------------------------|-------------|--|--|------------------|
| 1    | Cylinder                   |             |  |  | P11313           |
| 2 *  | Seal kit for item 1        |             |  |  | P12499           |
| 3    | Bush                       |             |  |  | P16246           |
| 4    | Crank                      |             |  |  | P18746           |
| 5    | Pin - 56mm                 |             |  |  | P18809           |
| 6    | Pin - 100mm                |             |  |  | P18817           |
| 7    | Clamp - Axle               |             |  |  | P18803           |
| 8    | Bracket                    |             |  |  | P18782           |
| 9    | Drive motor                |             |  |  | P16552           |
| 10   | Mounting arm               |             |  |  | P18745           |
| 11   | Drive barrel               |             |  |  | P16074           |
| 12   | Cover            LH<br>*RH |             |  |  | P30140<br>P30141 |

\* Not illustrated

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german  
spanish

chassis assembly



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german  
spanish

**chassis assembly**

1-9

## 1.4 Stabiliser assembly

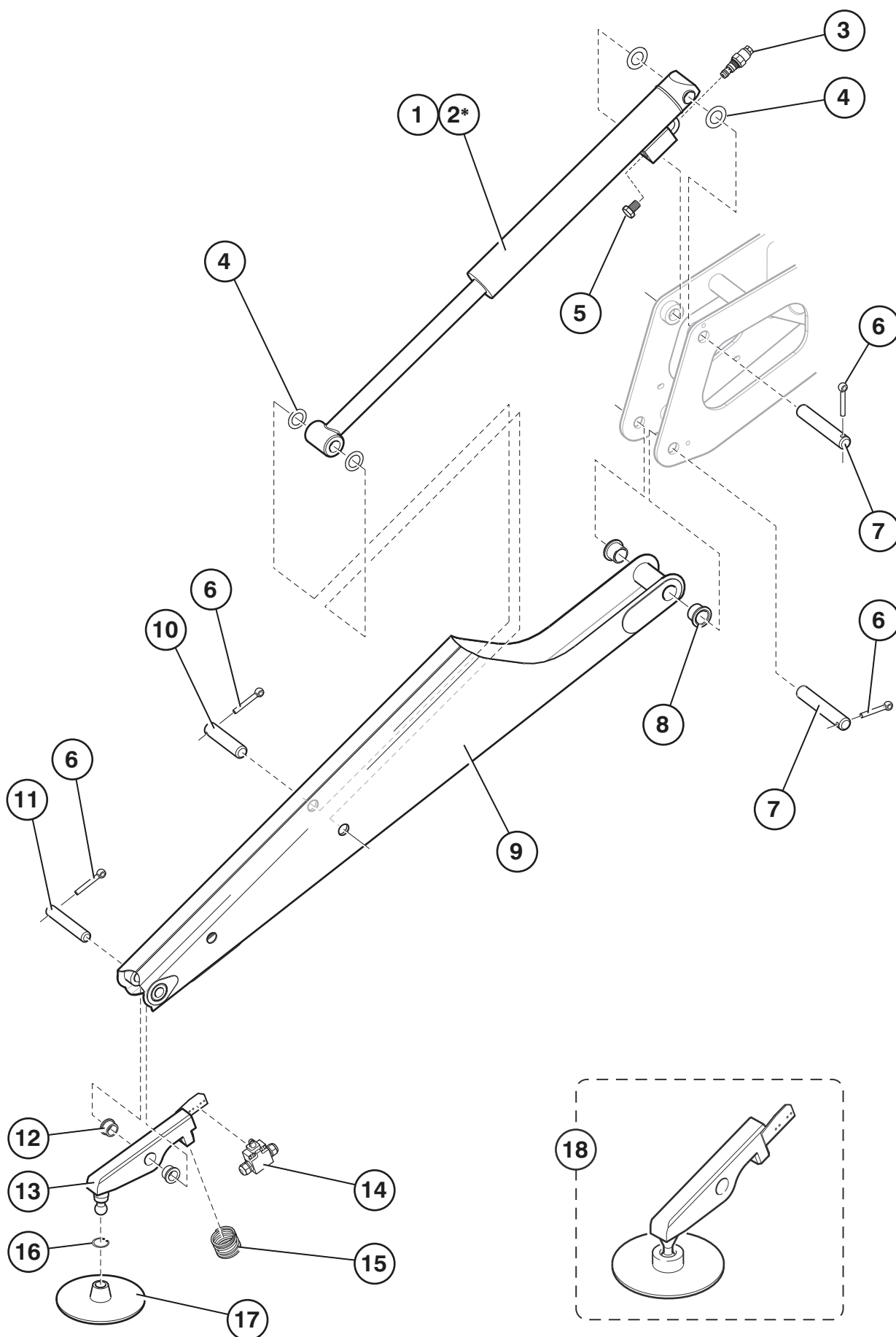
| Item | Description | Part Number |
|------|-------------|-------------|
|------|-------------|-------------|

|     |                                                       |  |  |  |        |
|-----|-------------------------------------------------------|--|--|--|--------|
| 1   | Cylinder                                              |  |  |  | P17389 |
| 2 * | Seal kit for item 1                                   |  |  |  | P18466 |
| 3   | Load valve                                            |  |  |  | P11956 |
| 4   | Plastic washer                                        |  |  |  | P10511 |
| 5   | Valve (cartridge)                                     |  |  |  | P17317 |
| 6   | Swing bolt                                            |  |  |  | P15966 |
| 7   | Pin - 175mm                                           |  |  |  | P15953 |
| 8   | Bush                                                  |  |  |  | P12651 |
| 9   | Stabiliser                                            |  |  |  | P17467 |
| 10  | Pin - 135mm                                           |  |  |  | P26135 |
| 11  | Pin - 146mm                                           |  |  |  | P12955 |
| 12  | Bush                                                  |  |  |  | P12298 |
| 13  | Rocker arm                                            |  |  |  | P17346 |
| 14  | Micro switch                                          |  |  |  | P18937 |
| 15  | Spring                                                |  |  |  | P12297 |
| 16  | Spring clip                                           |  |  |  | P18113 |
| 17  | Swivel foot                                           |  |  |  | P17345 |
| 18  | Rocker arm assy.<br>(Includes items 13,<br>16 and 17) |  |  |  | P17463 |

\* Not illustrated

french  
german  
spanish

chassis assembly



french  
german  
spanish

**chassis assembly**

1-11

## 1.5 Tow coupling assembly

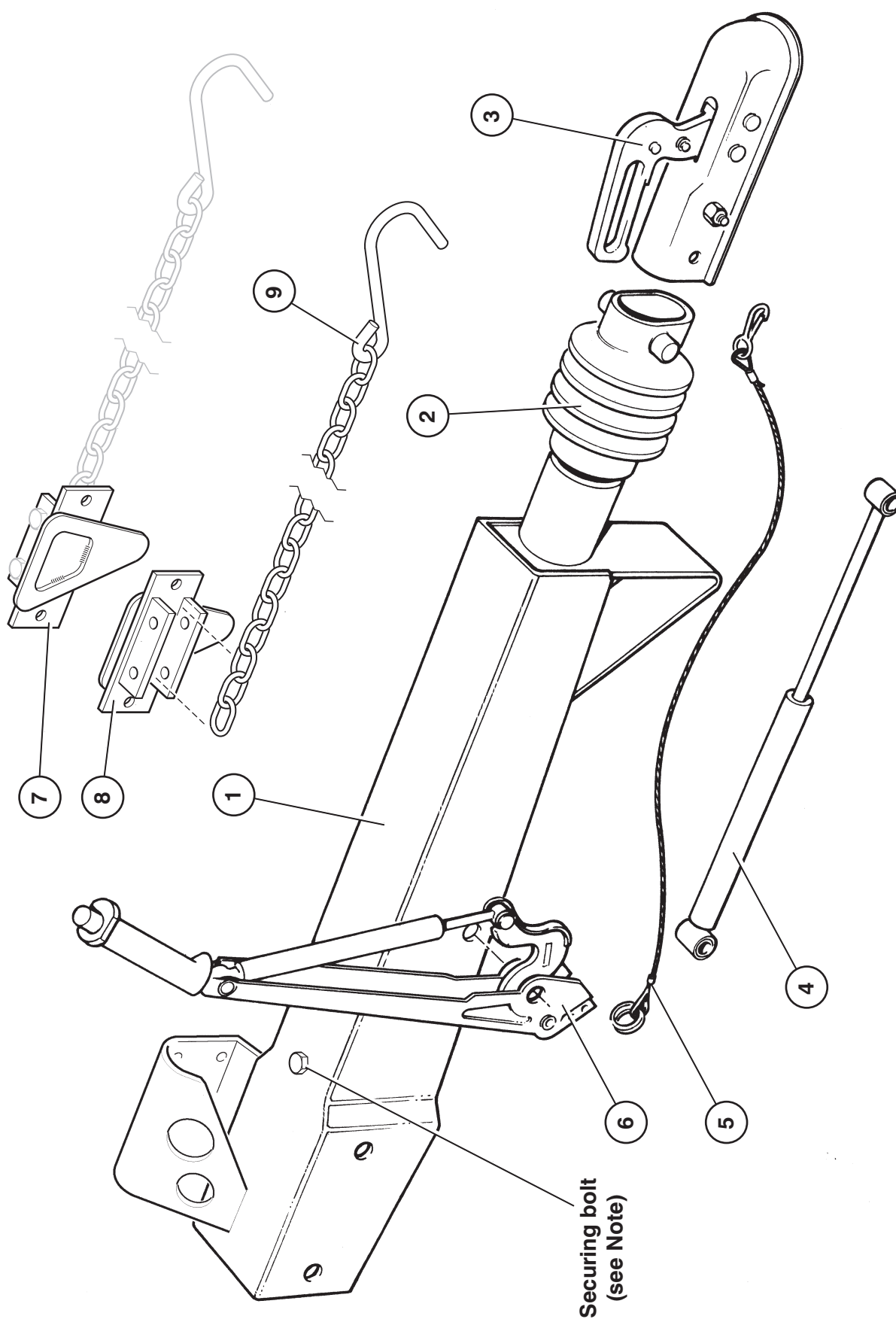
| Item | Description                             |  |  |  | Part Number |
|------|-----------------------------------------|--|--|--|-------------|
| 1    | Tow coupling assy                       |  |  |  | P10479      |
|      | Tow coupling assy<br>(USA only)         |  |  |  | P11514      |
|      | Tow coupling assy*<br>(50mm ring)       |  |  |  | P23415      |
| 2    | Gaiter                                  |  |  |  | P70057      |
| 3    | Coupling head                           |  |  |  | P70260      |
|      | Coupling head<br>(USA only)             |  |  |  | P11630      |
|      | Coupling ring*<br>(76mm)                |  |  |  | P22667*     |
| 4    | Drawtube damper                         |  |  |  | P11285      |
| 5    | Breakaway cable                         |  |  |  | P70061      |
|      | USA Only                                |  |  |  | P28301      |
| 6    | Handbrake and<br>damper                 |  |  |  | P12466      |
| 7    | Anti-rotation plate LH                  |  |  |  | P21504      |
| 8    | Anti-rotation plate RH                  |  |  |  | P21503      |
| 9    | Breakaway chain<br>(USA/Australia ONLY) |  |  |  | P21275      |

\* Not illustrated

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## 1.6 Jockey wheel assembly

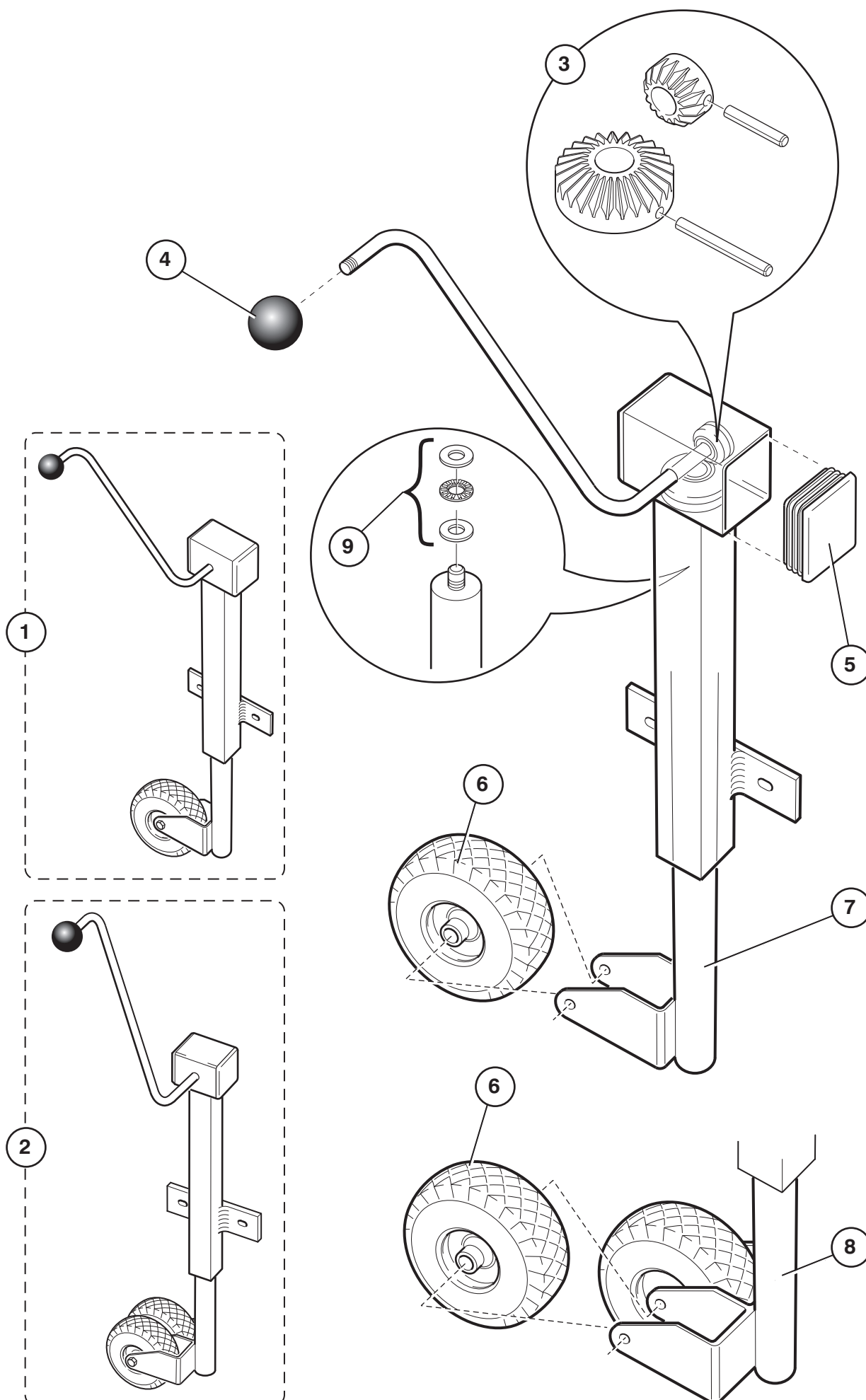
| Item | Description                                           | Part Number      |
|------|-------------------------------------------------------|------------------|
| 1 *  | Jockey wheel assembly<br>A)<br>B)                     | P14065<br>P25035 |
| 2 *  | Jockey wheel assembly<br>(traction drive)<br>A)<br>B) | P13898<br>P25036 |
| 3 *  | Gear kit<br>A)<br>B)                                  | P15183<br>P25037 |
| 4    | Knob                                                  | P70076           |
| 5 *  | Plastic Cap<br>A)<br>B)                               | P16480<br>P25040 |
| 6    | Wheel                                                 | P16309           |
| 7 *  | Inner shaft<br>A)<br>B)                               | P14066<br>P25038 |
| 8 *  | Inner shaft<br>(Twin wheel)<br>A)<br>B)               | P16308<br>P25039 |
| 9    | Bearing - Inner                                       | P11675           |

\* A) Cap size (Item 5) is 90mm square

B) Cap size (Item 5) is 70mm square

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1-15

**Figure 1.6 Jockey wheel assembly**

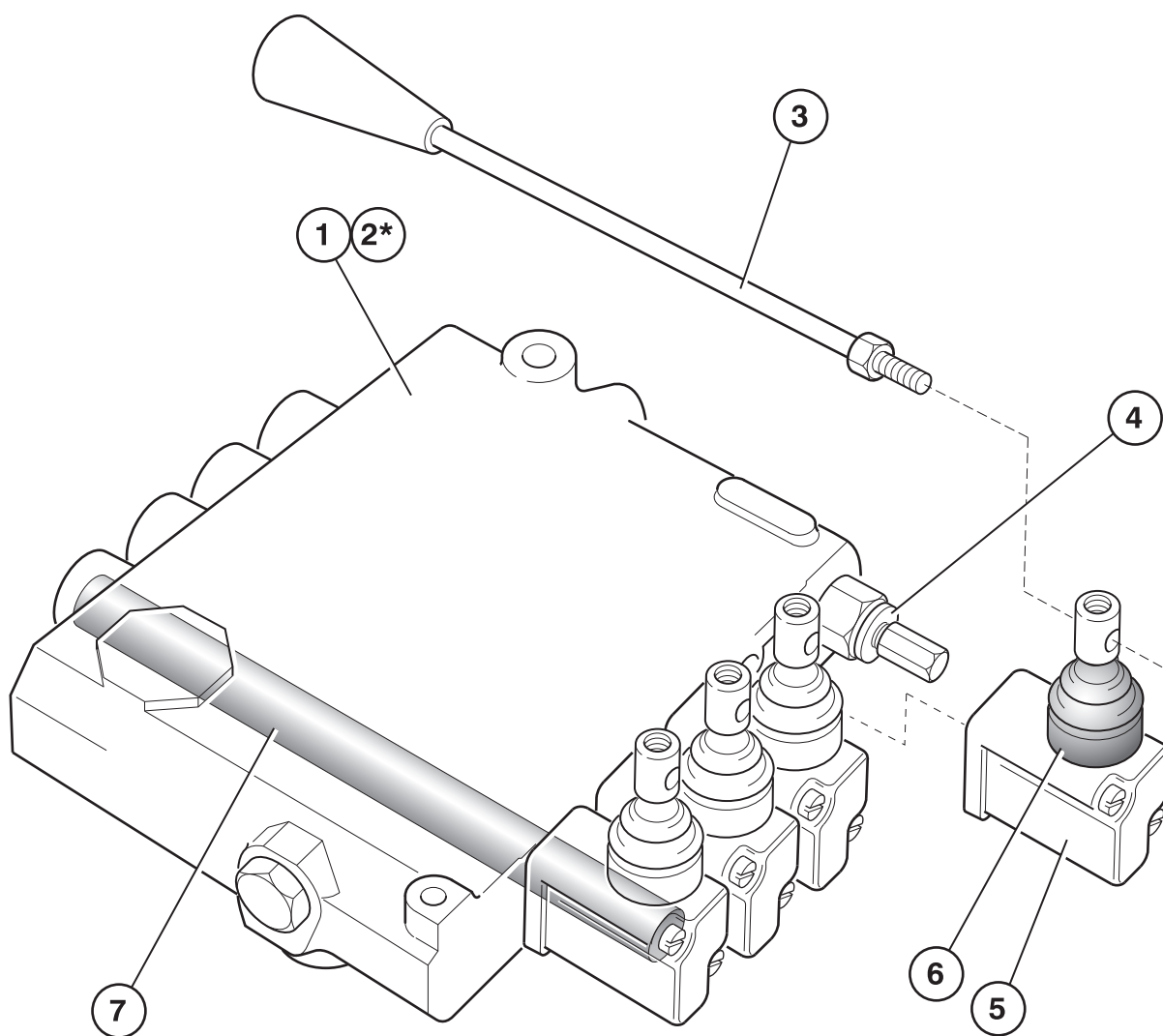
## 1.7 Control valve (4 spool)

| Item | Description             |  |  |  | Part Number |
|------|-------------------------|--|--|--|-------------|
| 1    | Control valve           |  |  |  | P15518      |
| 2 *  | Seal kit for item 1     |  |  |  | P70337      |
| 3    | Lever                   |  |  |  | P70336      |
| 4    | Pressure relief valve   |  |  |  | P70335      |
| 5    | Lever cap<br>(complete) |  |  |  | P70338      |
| 6    | Rubber boot             |  |  |  | P12225      |
| 7    | Spool AS                |  |  |  | P15510      |

\* Not illustrated

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1-17

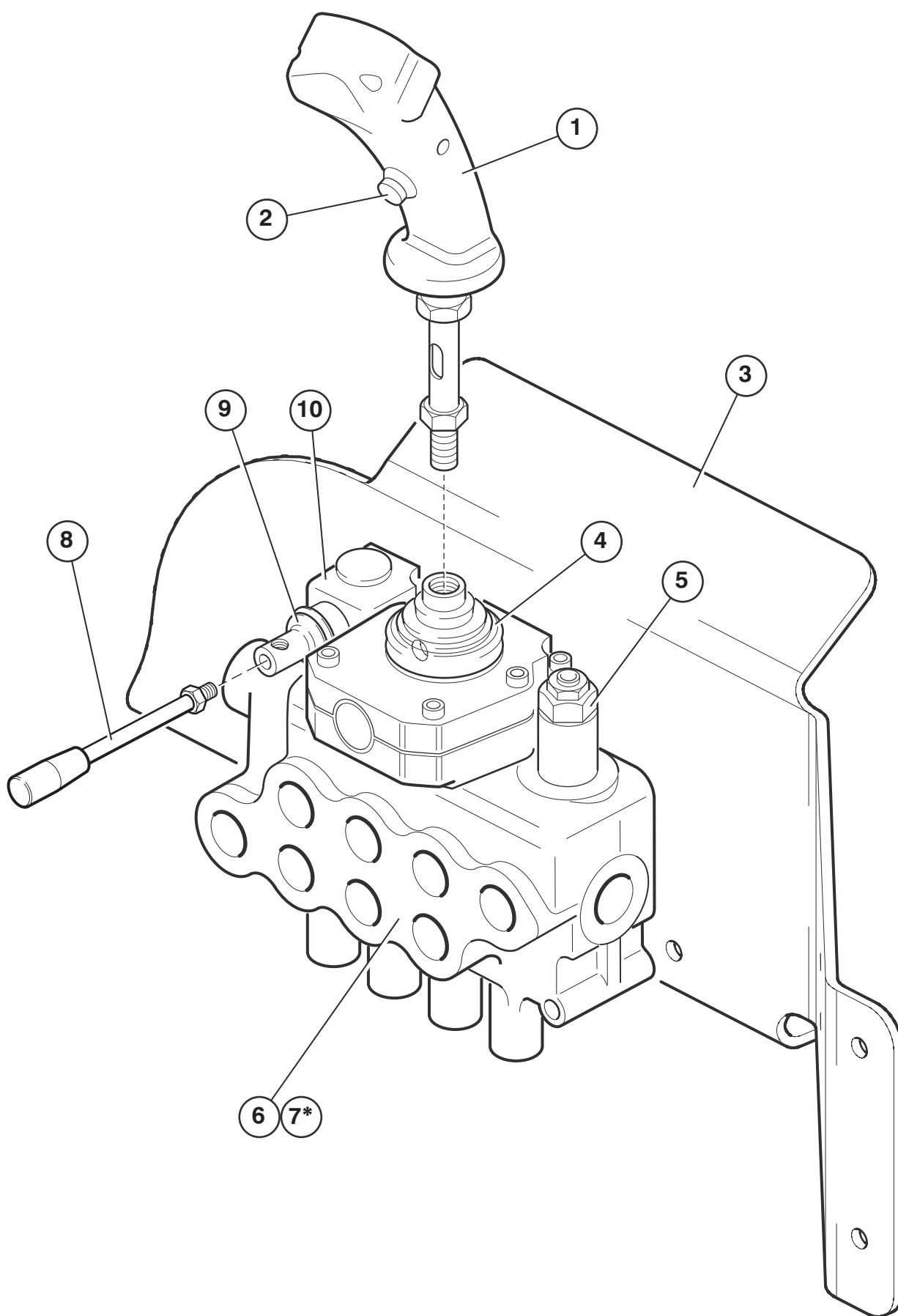
## 1.8 Valve block (Traction drive)

| Item | Description          |  |  |  | Part Number |
|------|----------------------|--|--|--|-------------|
| 1    | Joystick             |  |  |  | P16125      |
| 2    | Button - Red         |  |  |  | P17994      |
| 3    | Bracket - Valveblock |  |  |  | P18856      |
| 4    | Rubber gaiter        |  |  |  | P17921      |
| 5    | Valve - Cartridge    |  |  |  | P19121      |
| 6    | Valve block          |  |  |  | P14395      |
| 7 *  | Seal kit for item 6  |  |  |  | P18156      |
| 8    | Lever                |  |  |  | P16306      |
| 9    | Gaiter - Lever cap   |  |  |  | P19119      |
| 10   | Lever cap            |  |  |  | P19120      |

\* Not illustrated

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## 1.9 Wheel hub assembly

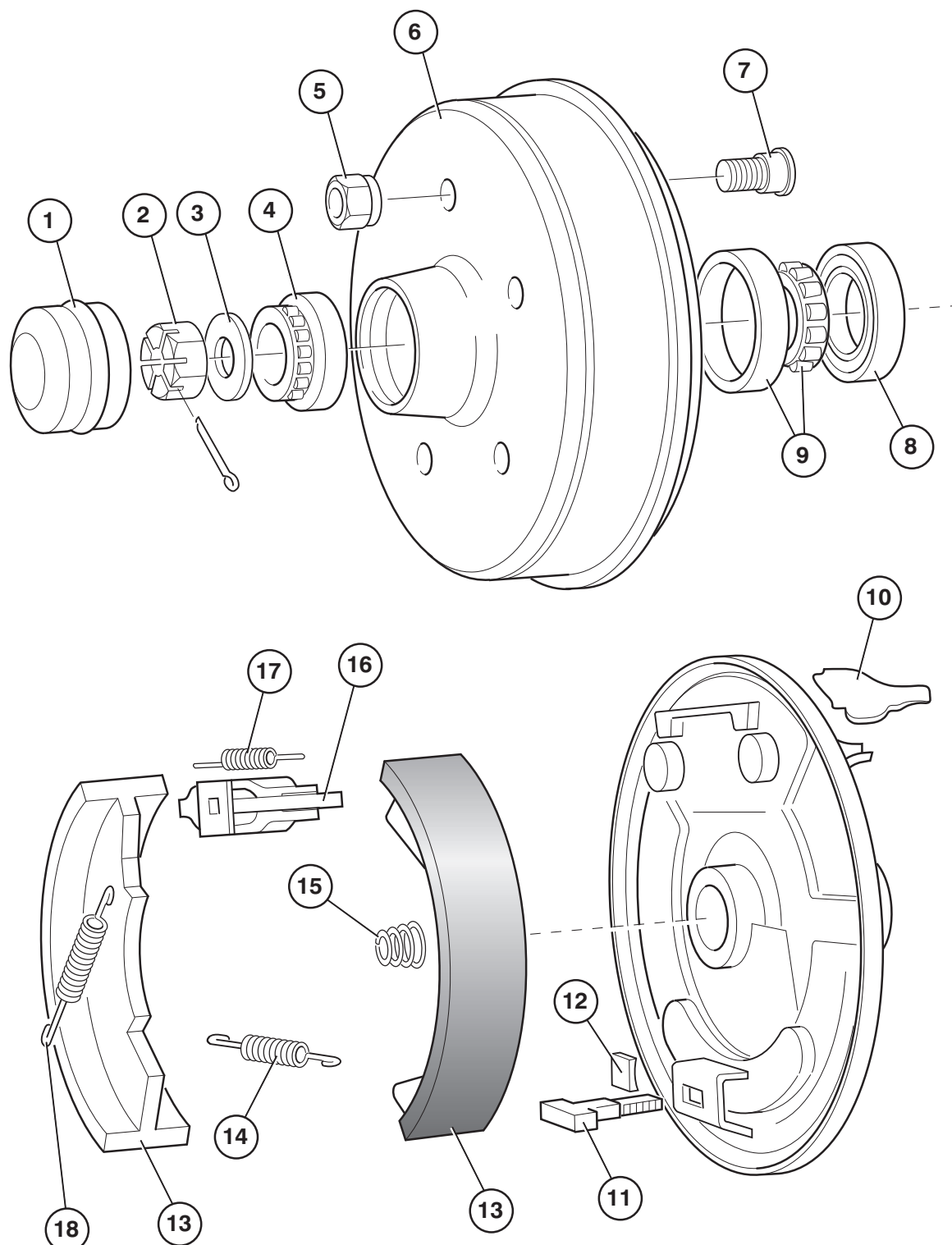
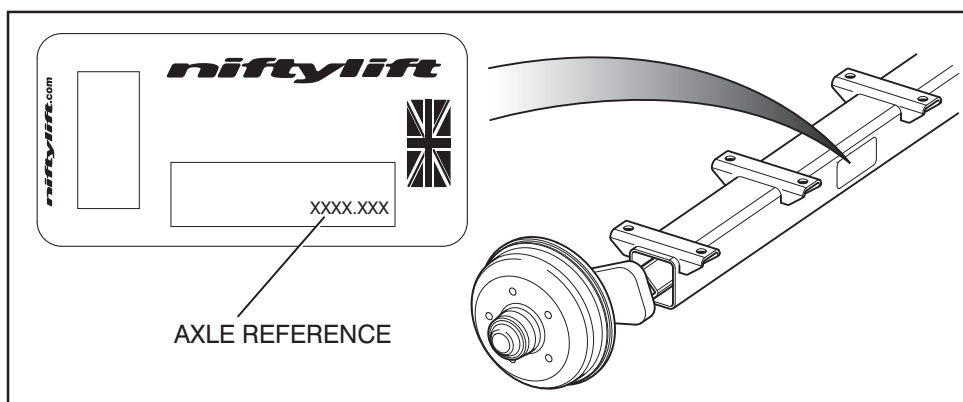
| Item | Description | Part Number |
|------|-------------|-------------|
|------|-------------|-------------|

|    |                                              |  |  |  |                  |
|----|----------------------------------------------|--|--|--|------------------|
| 1  | Grease cap                                   |  |  |  | P15492           |
| 2  | Hub nut                                      |  |  |  | P15452           |
| 3  | Hub washer                                   |  |  |  | P15496           |
| 4  | Outer bearing                                |  |  |  | P15489           |
| 5  | Wheel nut                                    |  |  |  | P70023           |
| 6  | Hub<br>Axle Reference<br>1290.94<br>1290.362 |  |  |  | P18463<br>P27746 |
| 7  | Wheel stud                                   |  |  |  | P18365           |
| 8  | Oil seal                                     |  |  |  | P15498           |
| 9  | Inner bearing                                |  |  |  | P15487           |
| 10 | Half shell                                   |  |  |  | P70263           |
| 11 | Adjuster wedge                               |  |  |  | P15428           |
| 12 | Adjuster post                                |  |  |  | P15431           |
| 13 | Brake shoe (Pair)                            |  |  |  | P70025           |
| 14 | Spring                                       |  |  |  | P15442           |
| 15 | Steady spring                                |  |  |  | P15417           |
| 16 | Expander                                     |  |  |  | P70032           |
| 17 | Spring                                       |  |  |  | P15442           |
| 18 | Spring                                       |  |  |  | P15435           |

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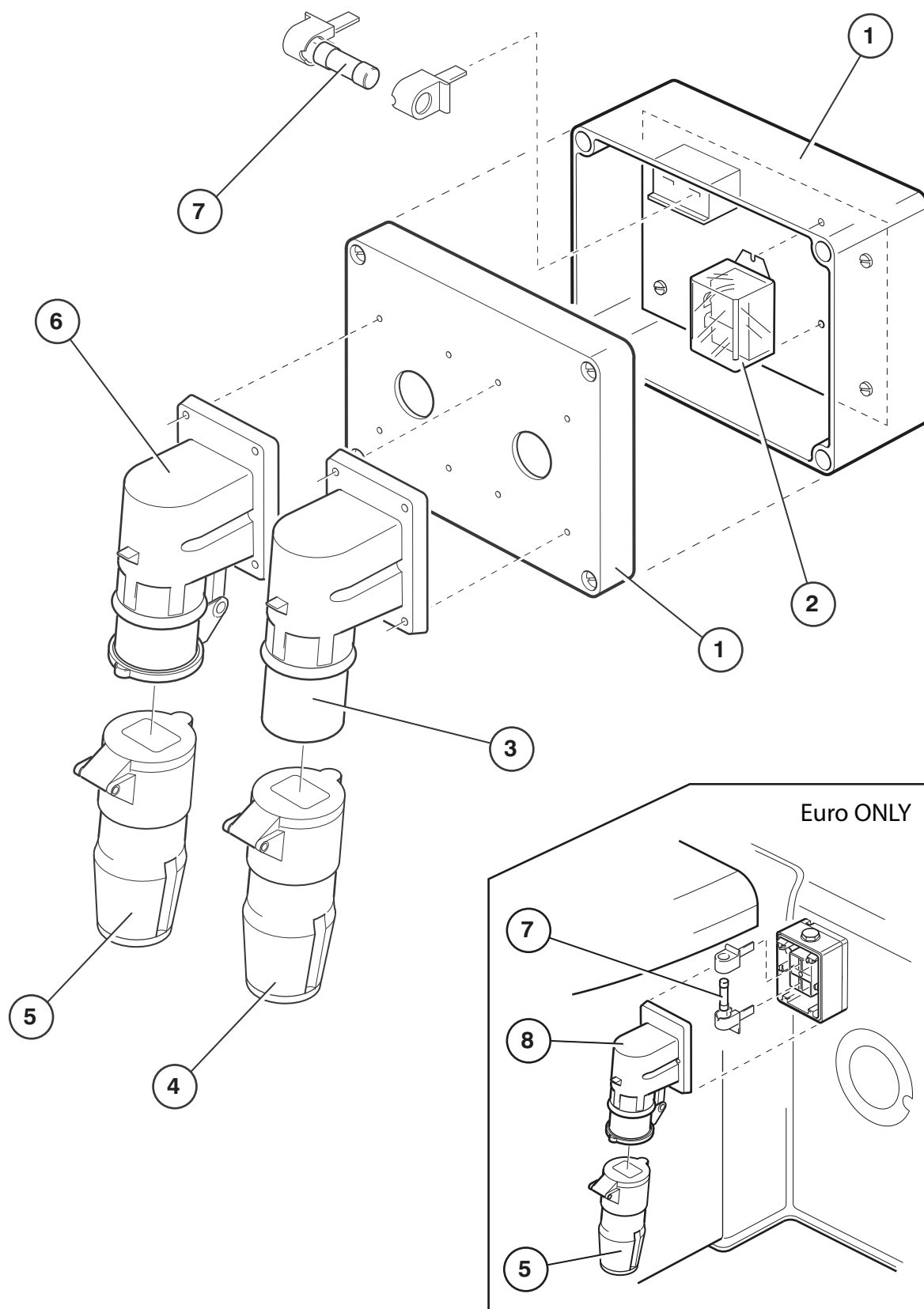
# chassis assembly

## 1.10 Voltage change over unit

| Item | Description       |  |  |  | Part Number |
|------|-------------------|--|--|--|-------------|
|      | Complete assembly |  |  |  | P20415      |
| 1    | ABS box           |  |  |  | P20815      |
| 2    | Relay             |  |  |  | P20767      |
| 3    | Inlet - 110v      |  |  |  | P23869      |
| 4    | Plug - 110v       |  |  |  | P10724      |
| 5    | Plug - 240v       |  |  |  | P10268      |
| 6    | Inlet - 240v      |  |  |  | P23870      |
| 7    | Fuse - 20A        |  |  |  | P20897      |
| 8    | Inlet - 240v      |  |  |  | P10174      |

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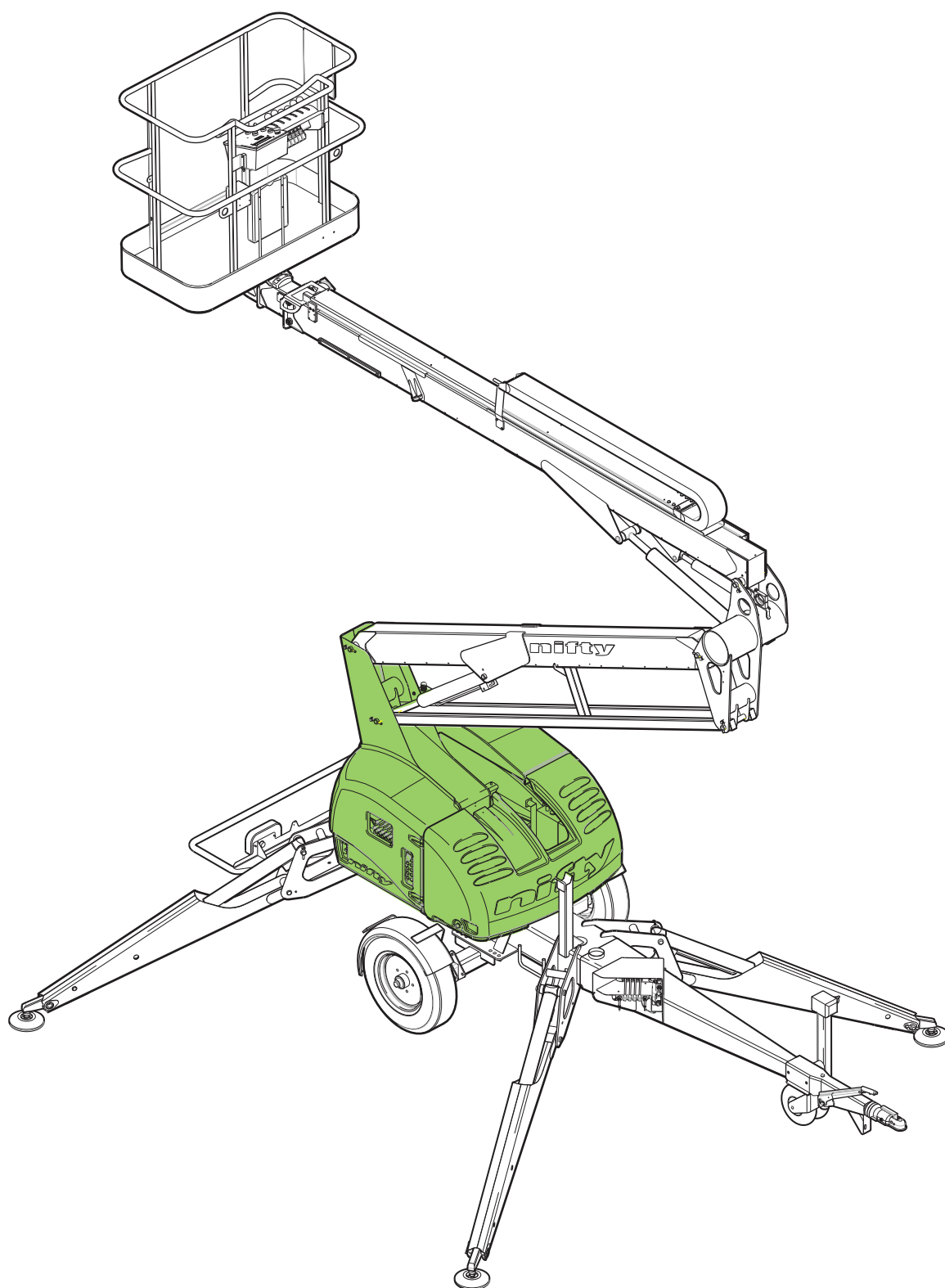
## 150T (TM42T)

*illustrated parts manual*

*Manuel illustré de pièces détachées*

*Illustrierte Stückliste*

*Manual de piezas ilustrado*



**2**

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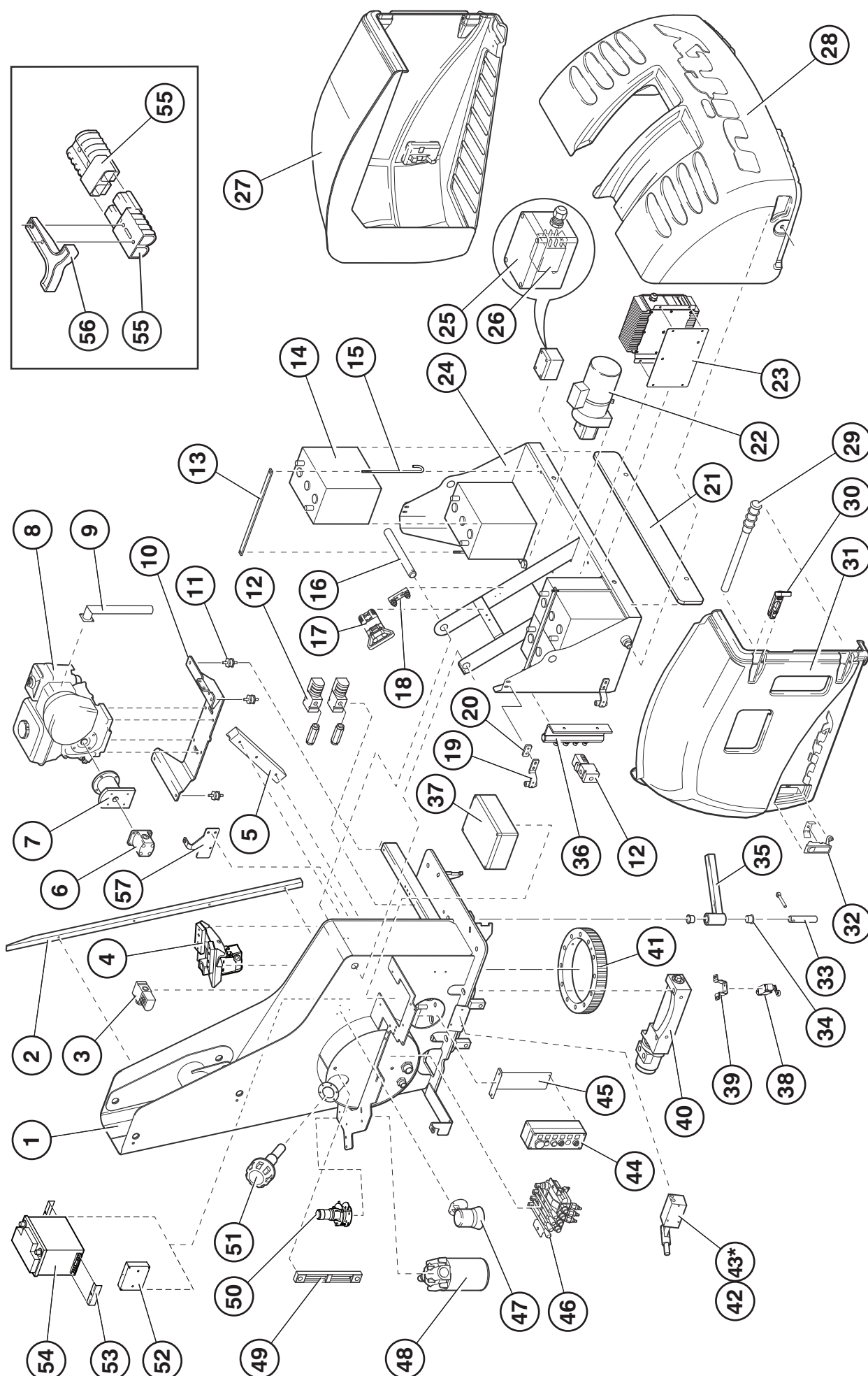
## 2.1 Power tray assembly (Petrol/Diesel/Bi-energy)

Item Description Part Number

|    |                                                             |  |  |  |                            |
|----|-------------------------------------------------------------|--|--|--|----------------------------|
| 1  | Superstructure                                              |  |  |  | P25374                     |
| 2  | Wearstrip                                                   |  |  |  | P17716                     |
| 3  | Solenoid valve assy.<br>Coil ONLY                           |  |  |  | P10132<br>P70354           |
| 4  | Boom rest assembly<br>See "Boom rest assembly" on page 2-18 |  |  |  | N/A                        |
| 5  | Wearstrip                                                   |  |  |  | P17725                     |
| 6  | Pump (2.1 cc)                                               |  |  |  | P18240                     |
| 7  | Bell housing                                                |  |  |  | P12286                     |
| 8  | Engine <b>Petrol</b><br><b>Diesel</b>                       |  |  |  | P26244<br>P12469           |
| 9  | Exhaust pipe <b>Petrol</b><br><b>Diesel</b>                 |  |  |  | P18246<br>P20373           |
| 10 | Engine tray                                                 |  |  |  | P17479                     |
| 11 | Rubber mount                                                |  |  |  | P12238                     |
| 12 | Solenoid valve assy.<br>Coil ONLY<br>Non return valve 3/8   |  |  |  | P10132<br>P70354<br>P10138 |
| 13 | Battery strap                                               |  |  |  | P17347                     |
| 14 | Battery                                                     |  |  |  | P27917                     |
| 15 | Securing strut                                              |  |  |  | P18650                     |
| 16 | Pin - 280mm                                                 |  |  |  | P17416                     |
| 17 | Anderson connector<br>See "Anderson connector" on page 2-26 |  |  |  | N/A                        |
| 18 | Fuse <b>125A</b><br><b>300A</b><br>Fuse holder              |  |  |  | P12696<br>P12407<br>P24708 |
| 19 | Lug - Battery canopy                                        |  |  |  | P17810                     |
| 20 | Backplate                                                   |  |  |  | P25123                     |
| 21 | Ballast weight                                              |  |  |  | P17825                     |
| 22 | Power pack<br>See "DC power pack" on page 2-24              |  |  |  | P17492                     |

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**Figure 2.1 Power tray (P/D/PE)**

## 2.1 continued

Item Description Part Number

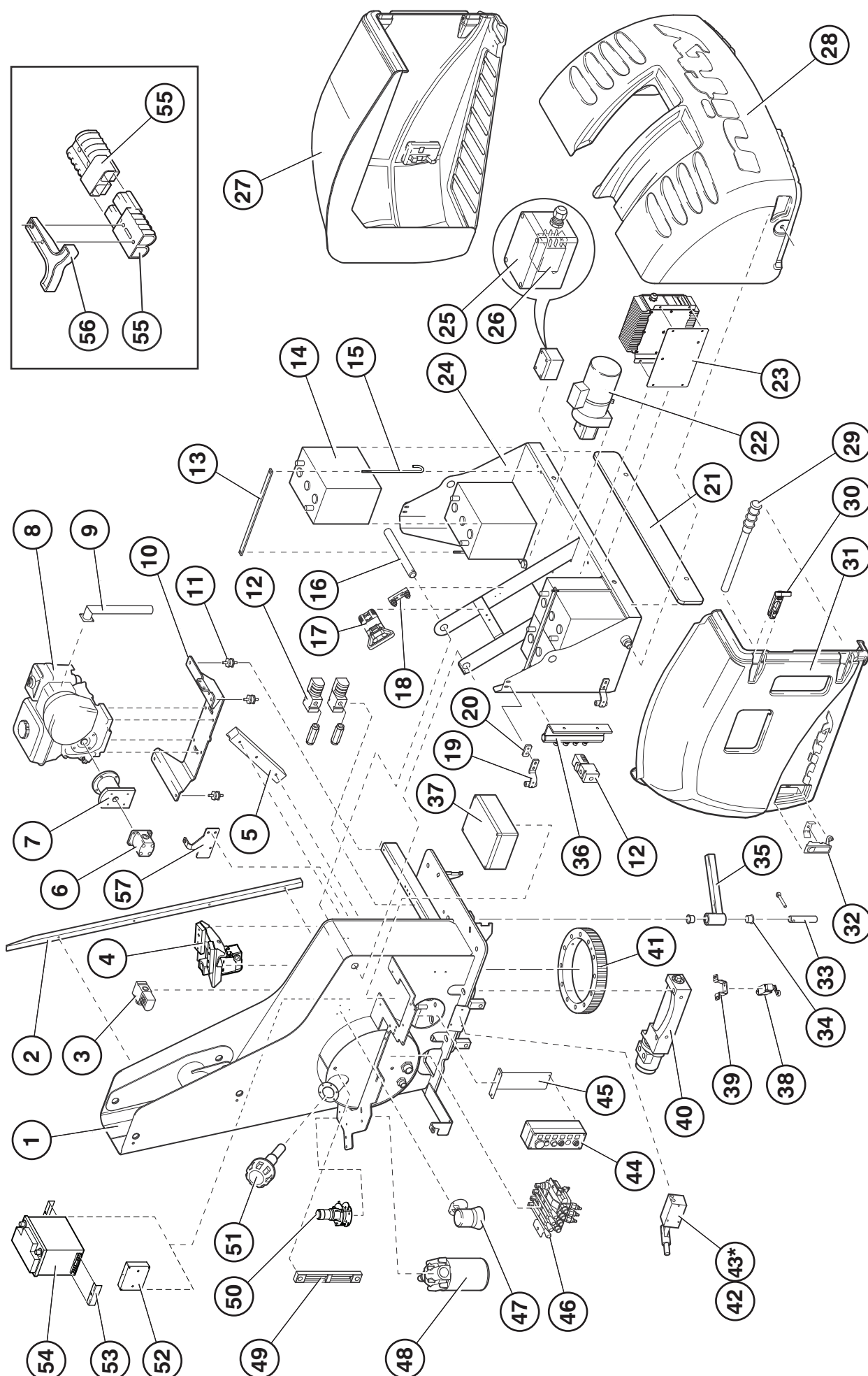
|      |                                                             |  |  |  |                  |
|------|-------------------------------------------------------------|--|--|--|------------------|
| 23   | Battery charger<br>Mounting plate                           |  |  |  | P24282<br>P28374 |
| 24   | Battery tray                                                |  |  |  | P17649           |
| 25   | Box                                                         |  |  |  | P11910           |
| 26   | Relay - Charger                                             |  |  |  | P11911           |
| 27   | Canopy - Engine                                             |  |  |  | P23100           |
| 28   | Canopy - Battery                                            |  |  |  | P23098           |
| 29   | Handle - Hand pump                                          |  |  |  | P10624           |
| 30   | Rubber catch                                                |  |  |  | P14454           |
| 31   | Canopy - Control                                            |  |  |  | P23099           |
| 32   | Latch - Canopy                                              |  |  |  | P17480           |
| 33   | Pin - 120mm                                                 |  |  |  | P15687           |
| 34   | Bush                                                        |  |  |  | P12250           |
| 35   | Slew stop                                                   |  |  |  | P16941           |
| 36   | Multi-port fitting                                          |  |  |  | P23586           |
| 37   | PCB box<br><i>See "PCB control box" on page 2-12</i>        |  |  |  | P18182           |
| 38   | Micro switch (USA)                                          |  |  |  | P10990           |
| 39   | Bracket (USA)                                               |  |  |  | P26985           |
| 40   | Worm assembly<br><i>See "Slew assembly" on page 2-16</i>    |  |  |  | P19498           |
| 41   | Slew ring                                                   |  |  |  | P25593           |
| 42   | Hand pump                                                   |  |  |  | P22570           |
| 43 * | Seal kit for item 42                                        |  |  |  | P22605           |
| 44   | Button box<br><i>See "Button box assembly" on page 2-22</i> |  |  |  | N/A              |
| 45   | Plate - Button box                                          |  |  |  | P17920           |

\* Not illustrated

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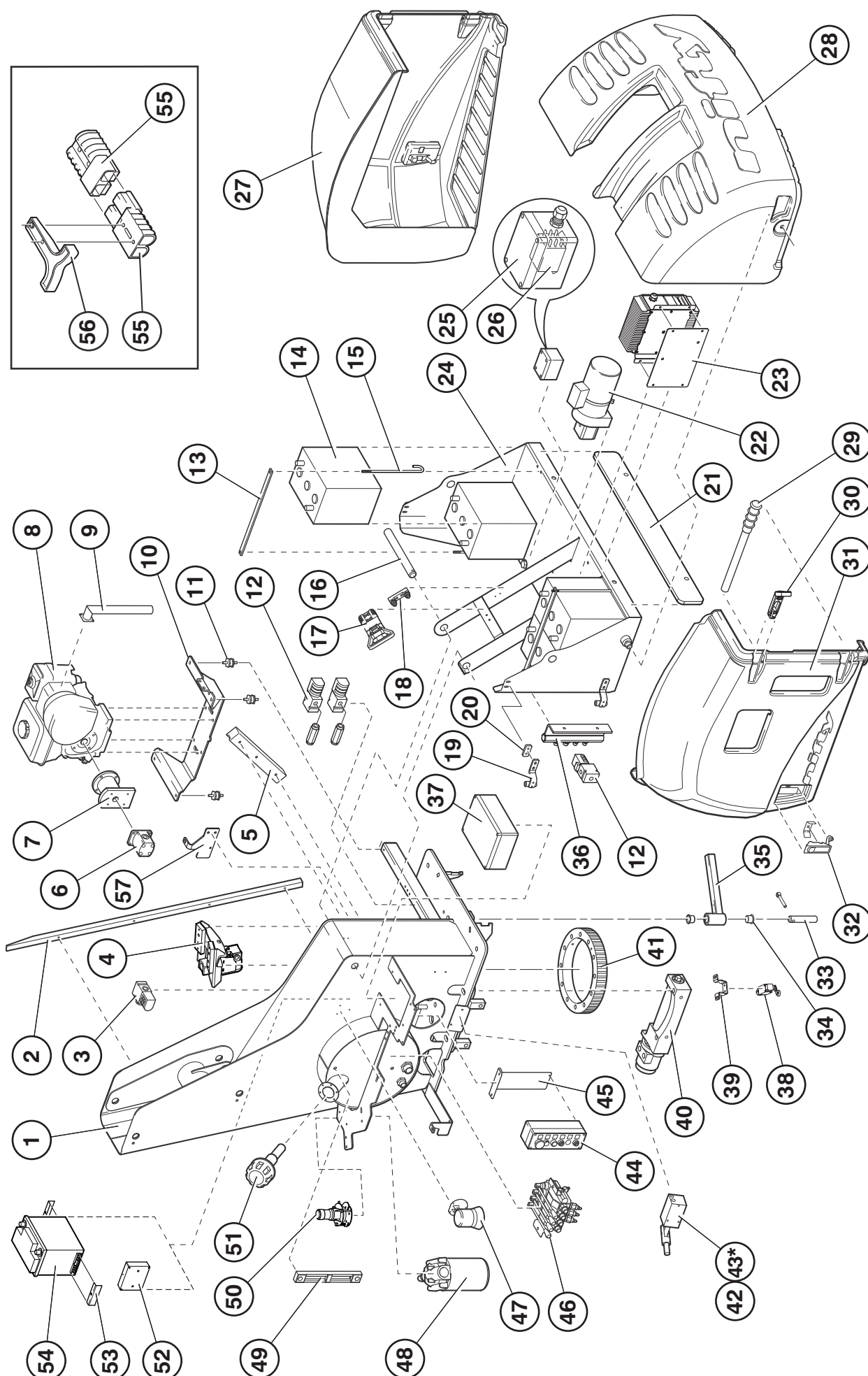
2-5

## 2.1 continued

| Item | Description                                                       |  |  |  | Part Number      |
|------|-------------------------------------------------------------------|--|--|--|------------------|
| 46   | Control valve<br>See "Control valve<br>(4 spool)" on<br>page 2-20 |  |  |  | P17844           |
| 47   | Siren                                                             |  |  |  | P11113           |
| 48   | Hydraulic oil filter &<br>bowl assembly<br>Cartridge ONLY         |  |  |  | P12780<br>P13937 |
| 49   | Level gauge                                                       |  |  |  | P13252           |
| 50   | Tilt sensor<br>(Optional)                                         |  |  |  | P16108           |
| 51   | Filler cap                                                        |  |  |  | P16464           |
| 52   | Regulator                                                         |  |  |  | P29990           |
| 53   | Battery clamp                                                     |  |  |  | P12295           |
| 54   | Battery - 12v                                                     |  |  |  | P11975           |
| 55   | Anderson connector<br>12v                                         |  |  |  | P17085           |
| 56   | Handle - Anderson                                                 |  |  |  | P16942           |
| 57   | Bracket - Canopy<br>latch                                         |  |  |  | P29426           |

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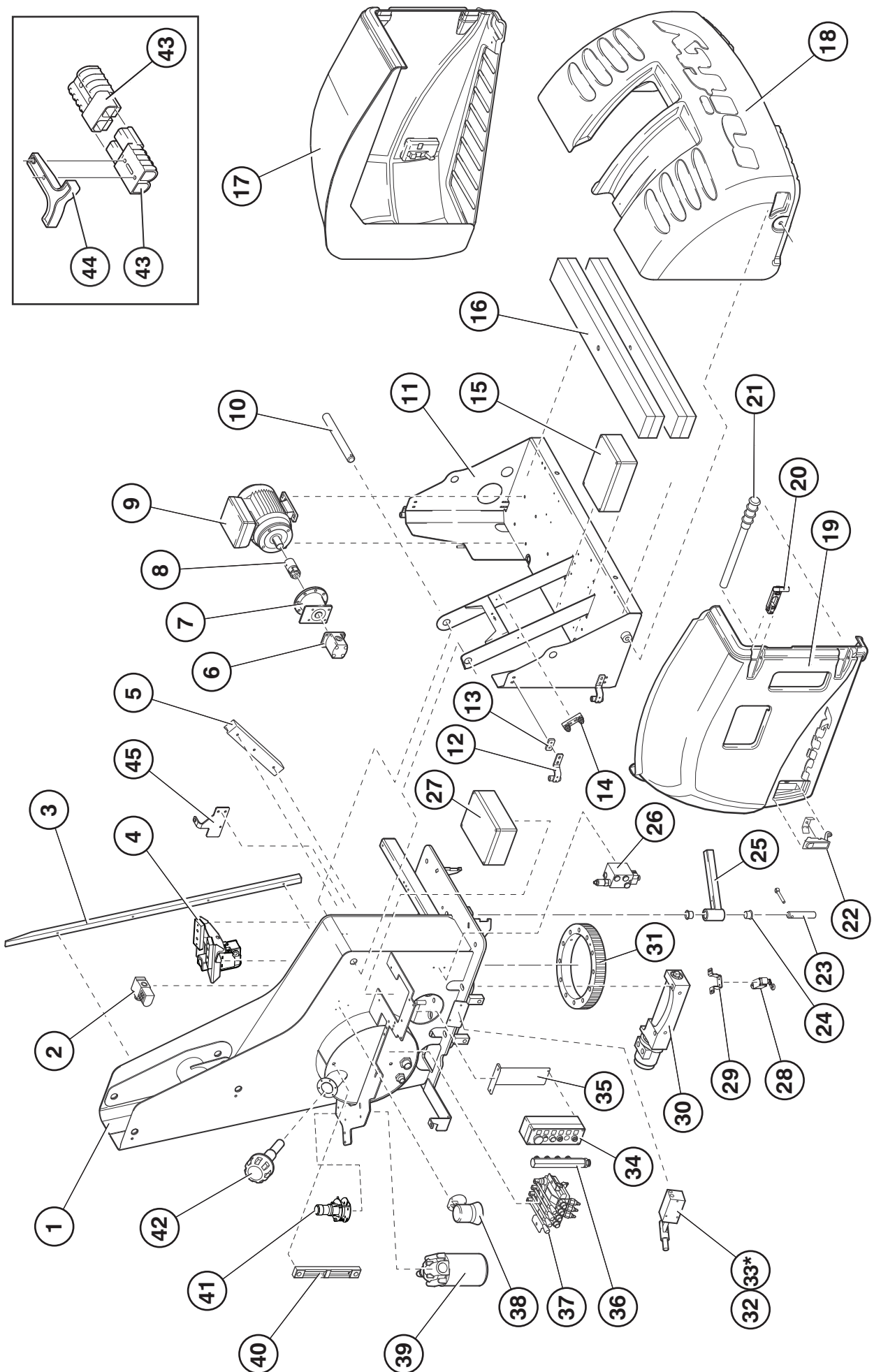
## 2.2 Power tray assembly (AC)

Item Description Part Number

|    |                                                                    |  |  |  |                  |
|----|--------------------------------------------------------------------|--|--|--|------------------|
| 1  | Superstructure                                                     |  |  |  | P25374           |
| 2  | Solenoid valve assy.<br>Coil ONLY                                  |  |  |  | P10132<br>P70354 |
| 3  | Wearstrip                                                          |  |  |  | P17716           |
| 4  | Boom rest assembly<br>See "Boom rest<br>assembly" on page 2-<br>18 |  |  |  | N/A              |
| 5  | Wearstrip                                                          |  |  |  | P17725           |
| 6  | Pump (1.6 cc)                                                      |  |  |  | P10655           |
| 7  | Bell housing                                                       |  |  |  | P16001           |
| 8  | Coupling                                                           |  |  |  | P16002           |
| 9  | Motor                                                              |  |  |  | P10864           |
| 10 | Pin - 280mm                                                        |  |  |  | P17416           |
| 11 | Battery tray                                                       |  |  |  | P17649           |
| 12 | Lug - Battery canopy                                               |  |  |  | P17810           |
| 13 | Backplate                                                          |  |  |  | P25123           |
| 14 | Fuse 125A<br>Fuse holder                                           |  |  |  | P12696<br>P24708 |
| 15 | AC box - 240v<br>See "AC transformer box"<br>on page 2-14          |  |  |  | P10770           |
| 16 | Ballast - 75kg                                                     |  |  |  | P19029           |
| 17 | Canopy - Engine                                                    |  |  |  | P23100           |
| 18 | Canopy - Battery                                                   |  |  |  | P23098           |
| 19 | Canopy - Control                                                   |  |  |  | P23099           |
| 20 | Rubber catch                                                       |  |  |  | P14454           |
| 21 | Handle - Hand pump                                                 |  |  |  | P10624           |
| 22 | Latch - Canopy                                                     |  |  |  | P17480           |
| 23 | Pin - 120mm                                                        |  |  |  | P15687           |
| 24 | Bush                                                               |  |  |  | P12250           |
| 25 | Slew stop                                                          |  |  |  | P16941           |

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## 2.2 continued

Item Description Part Number

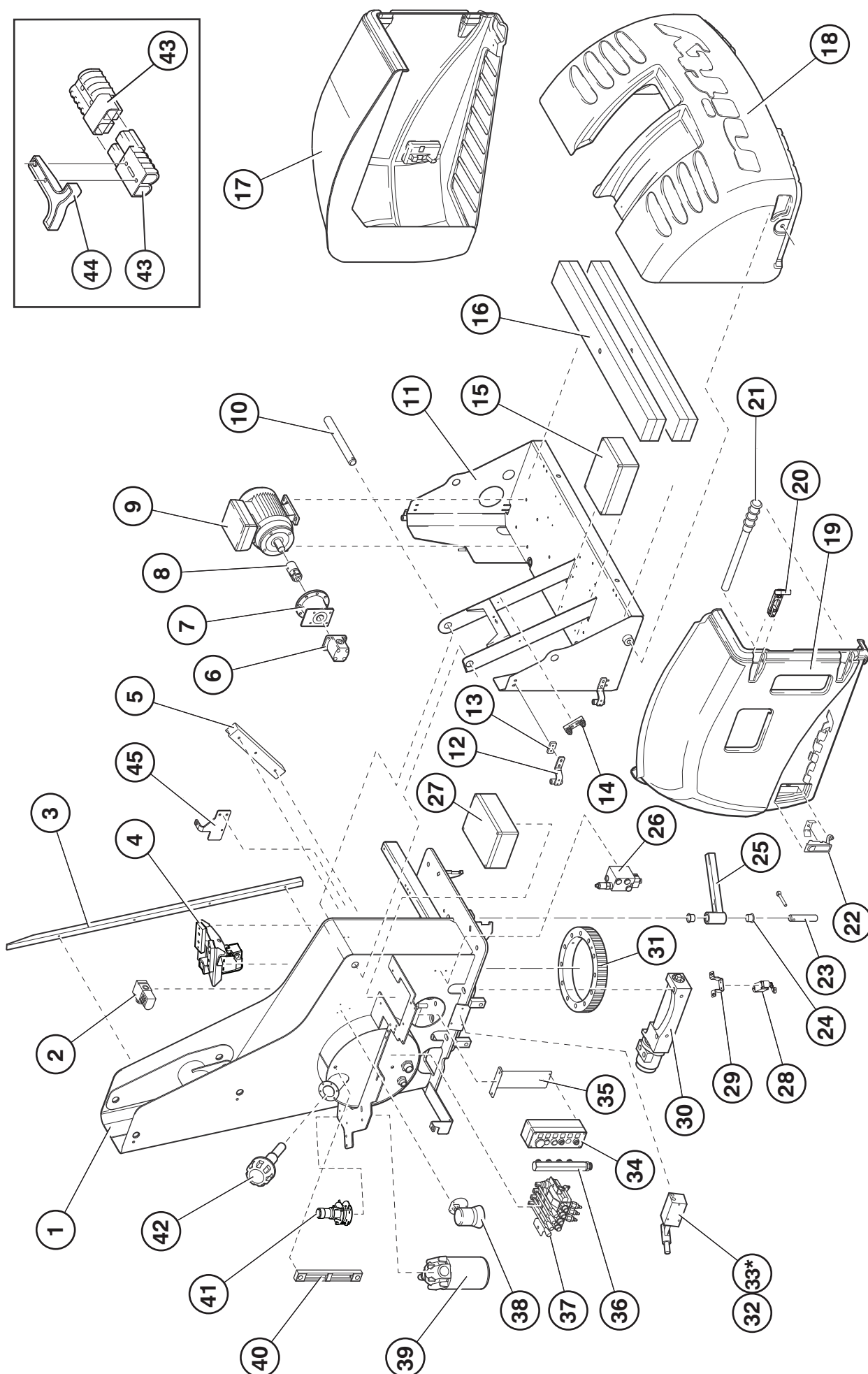
|      |                                                             |  |  |  |                  |
|------|-------------------------------------------------------------|--|--|--|------------------|
| 26   | Pump Control valve                                          |  |  |  | P17822           |
| 27   | PCB box<br>See "PCB control box" on page 2-12               |  |  |  | P18996           |
| 28   | Micro switch                                                |  |  |  | P10990           |
| 29   | Bracket                                                     |  |  |  | P26985           |
| 30   | Worm assembly<br>See "Slew assembly" on page 2-16           |  |  |  | P19498           |
| 31   | Slew ring                                                   |  |  |  | P25593           |
| 32   | Hand pump                                                   |  |  |  | P22570           |
| 33 * | Seal kit for item 32                                        |  |  |  | P22605           |
| 34   | Button box<br>See "Button box assembly" on page 2-22        |  |  |  | N/A              |
| 35   | Plate - Button box                                          |  |  |  | P17920           |
| 36   | Multi-port fitting                                          |  |  |  | P17337           |
| 37   | Control valve<br>See "Control valve (4 spool)" on page 2-20 |  |  |  | P17844           |
| 38   | Siren                                                       |  |  |  | P11113           |
| 39   | Hydraulic oil filter & bowl assembly<br>Cartridge ONLY      |  |  |  | P12780<br>P13937 |
| 40   | Level gauge                                                 |  |  |  | P13252           |
| 41   | Tilt sensor (Optional)                                      |  |  |  | P16108           |
| 42   | Filler cap                                                  |  |  |  | P16464           |
| 43   | Anderson connector 12v                                      |  |  |  | P17085           |
| 44   | Handle - Anderson                                           |  |  |  | P16942           |
| 45   | Bracket - Canopy latch                                      |  |  |  | P29426           |

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## 2.3 PCB control box

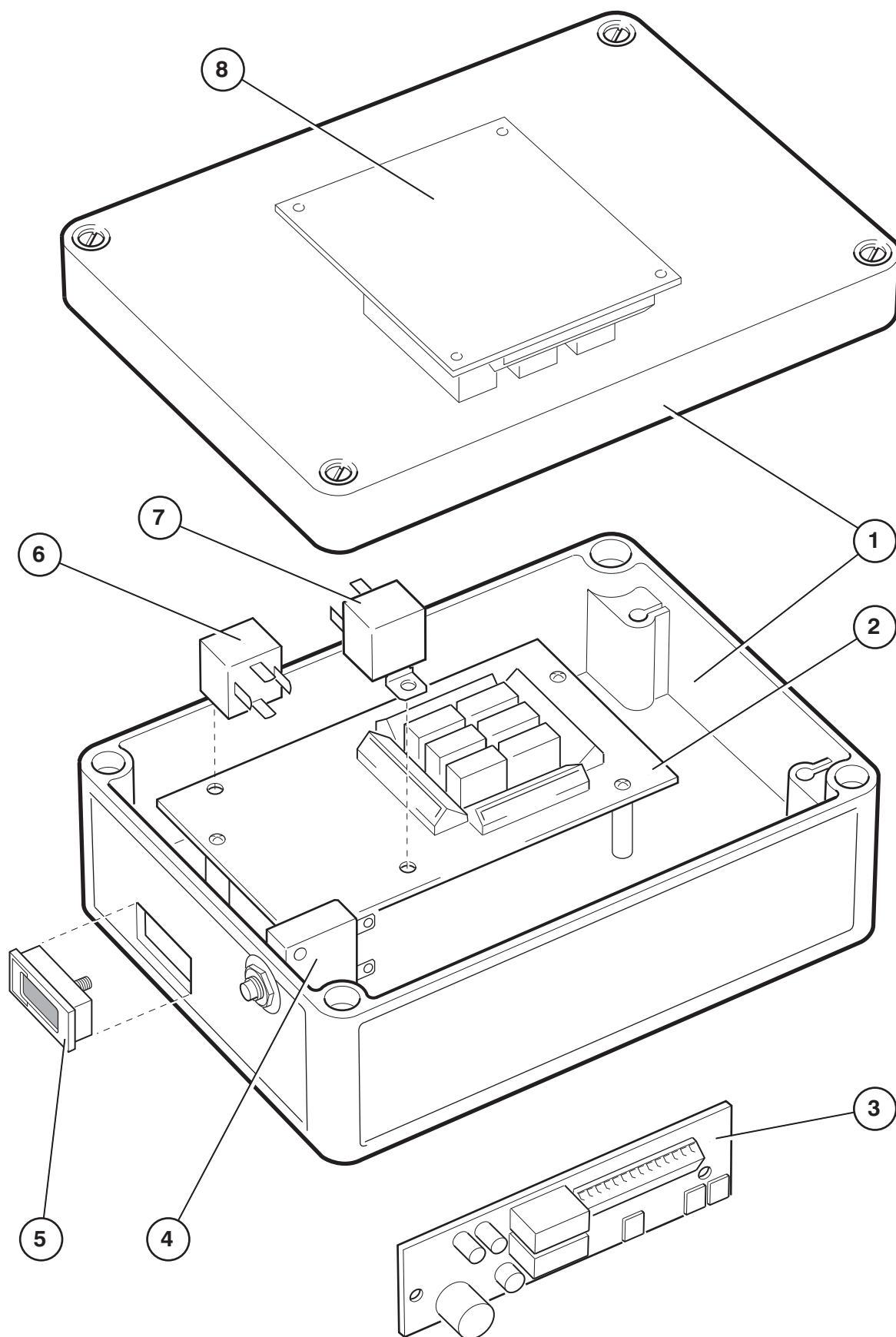
Item Description Part Number

|          |                                                          |  |  |  |                                |
|----------|----------------------------------------------------------|--|--|--|--------------------------------|
|          | Complete assembly<br><b>Bi-energy</b><br><b>AC/mains</b> |  |  |  | <b>P18076</b><br><b>P18996</b> |
| <b>1</b> | ABS box<br><b>Bi-energy</b><br><b>AC/mains</b>           |  |  |  | <b>P18091</b><br><b>P18583</b> |
| <b>2</b> | PCB<br>(Contact Niftylift<br>Service Department)         |  |  |  | <b>P14033</b>                  |
| <b>3</b> | PCB -12v<br>(Bi-energy ONLY)                             |  |  |  | <b>P11174</b>                  |
| <b>4</b> | Circuit breaker - <b>15A</b>                             |  |  |  | <b>P11050</b>                  |
| <b>5</b> | Hour meter                                               |  |  |  | <b>P11410</b>                  |
| <b>6</b> | Relay                                                    |  |  |  | <b>P10340</b>                  |
| <b>7</b> | Relay (AC ONLY)                                          |  |  |  | <b>P10340</b>                  |
| <b>8</b> | PCB - Safety Relay                                       |  |  |  | <b>P27246</b>                  |

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**Figure 2.3 PCB control box**

2.4 AC transformer box

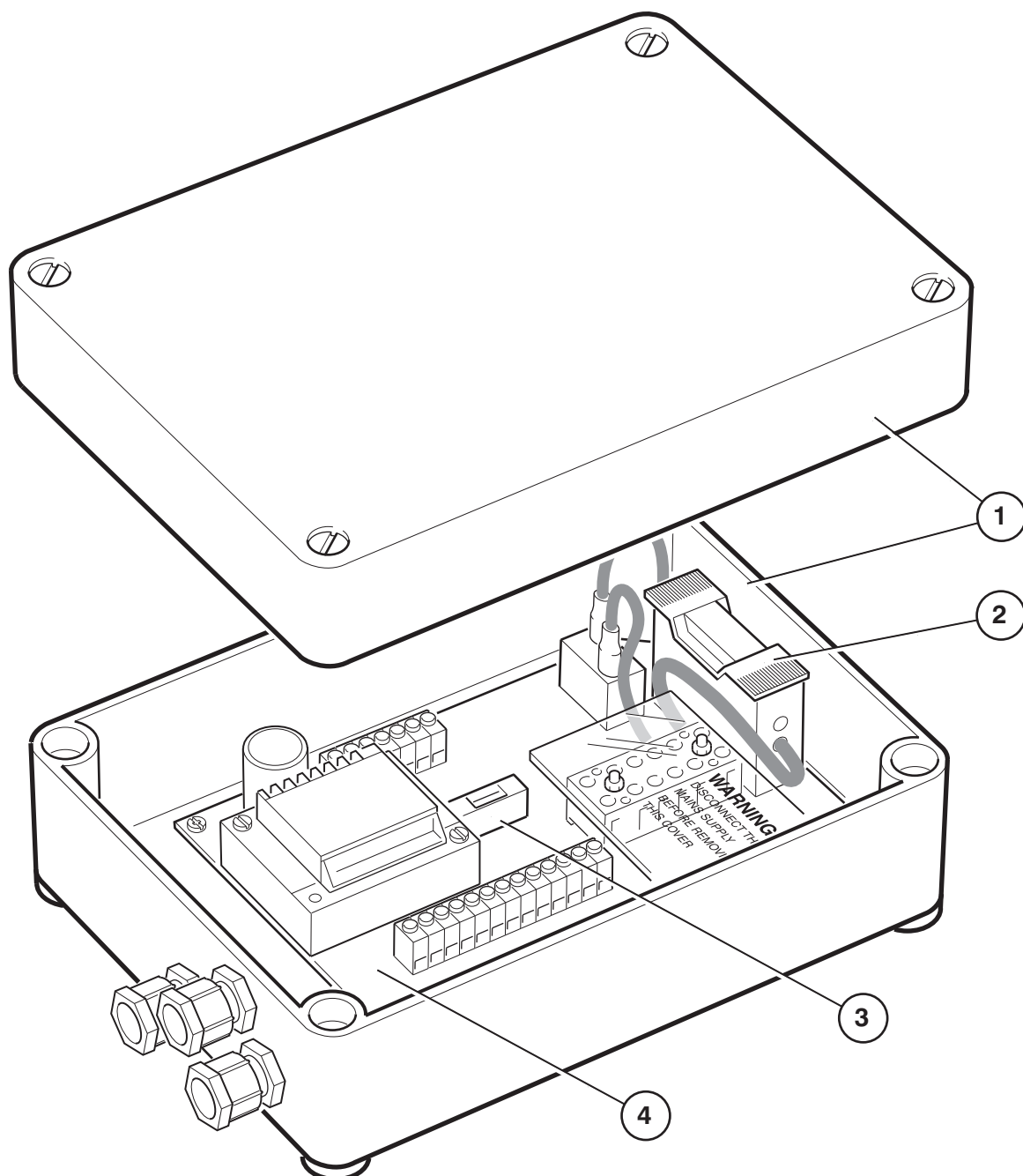
Item Description Part Number

|   |                                     |  |  |  |                  |
|---|-------------------------------------|--|--|--|------------------|
| 1 | Complete assembly<br>240v<br>110v   |  |  |  | P10770<br>P11429 |
| 2 | Fuse 16A (240v)<br>25A (110v)       |  |  |  | P11767<br>P14040 |
| 3 | Fuse 3.15A                          |  |  |  | P15504           |
| 4 | Circuit board assy.<br>240v<br>110v |  |  |  | P10847<br>P14039 |

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## 2.5 Slew assembly

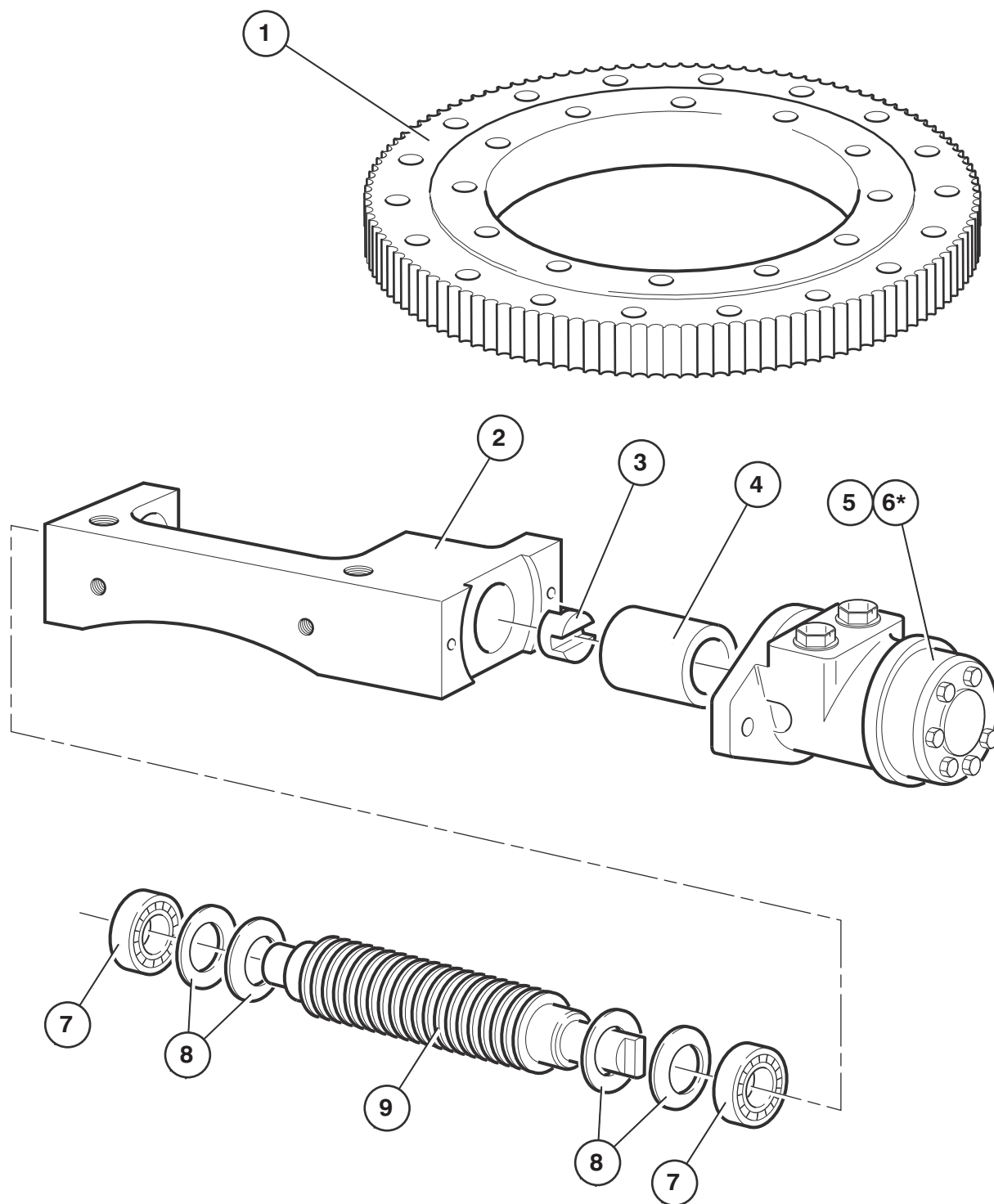
Item Description Part Number

|     |                                     |  |  |  |        |
|-----|-------------------------------------|--|--|--|--------|
|     | Complete assembly<br>(Items 2 to 9) |  |  |  | P19498 |
| 1   | Slew ring                           |  |  |  | P25593 |
| 2   | Worm bracket                        |  |  |  | P12681 |
| 3   | Coupling                            |  |  |  | P12145 |
| 4   | Spacer                              |  |  |  | P12143 |
| 5   | Motor                               |  |  |  | P14306 |
| 6 * | Seal kit for item 5                 |  |  |  | P14377 |
| 7   | Bearing                             |  |  |  | P12703 |
| 8   | Belleville washer                   |  |  |  | P12150 |
| 9   | Worm gear                           |  |  |  | P14502 |

\* Not illustrated

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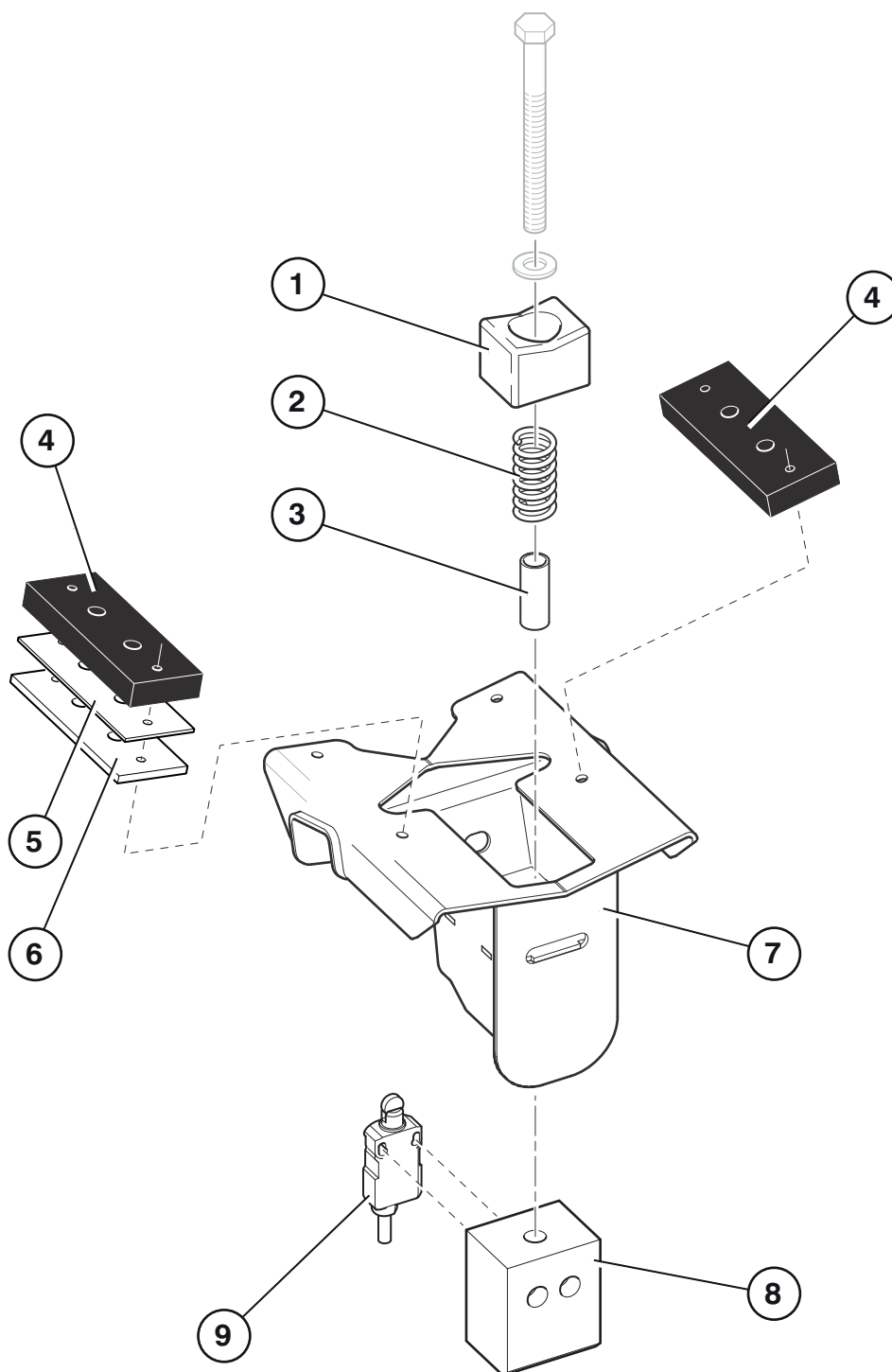
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## 2.6 Boom rest assembly

| Item | Description  |  |  |  | Part Number |
|------|--------------|--|--|--|-------------|
| 1    | Slider       |  |  |  | P19077      |
| 2    | Spring       |  |  |  | P19051      |
| 3    | Spacer       |  |  |  | P19201      |
| 4    | Rubber pad   |  |  |  | P16883      |
| 5    | Spacer - 2mm |  |  |  | P26726      |
| 6    | Spacer - 4mm |  |  |  | P26727      |
| 7    | Bracket      |  |  |  | P19039      |
| 8    | Block        |  |  |  | P28751      |
| 9    | Micro switch |  |  |  | P30387      |

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2.7 Control valve (4 spool)

Item Description Part Number

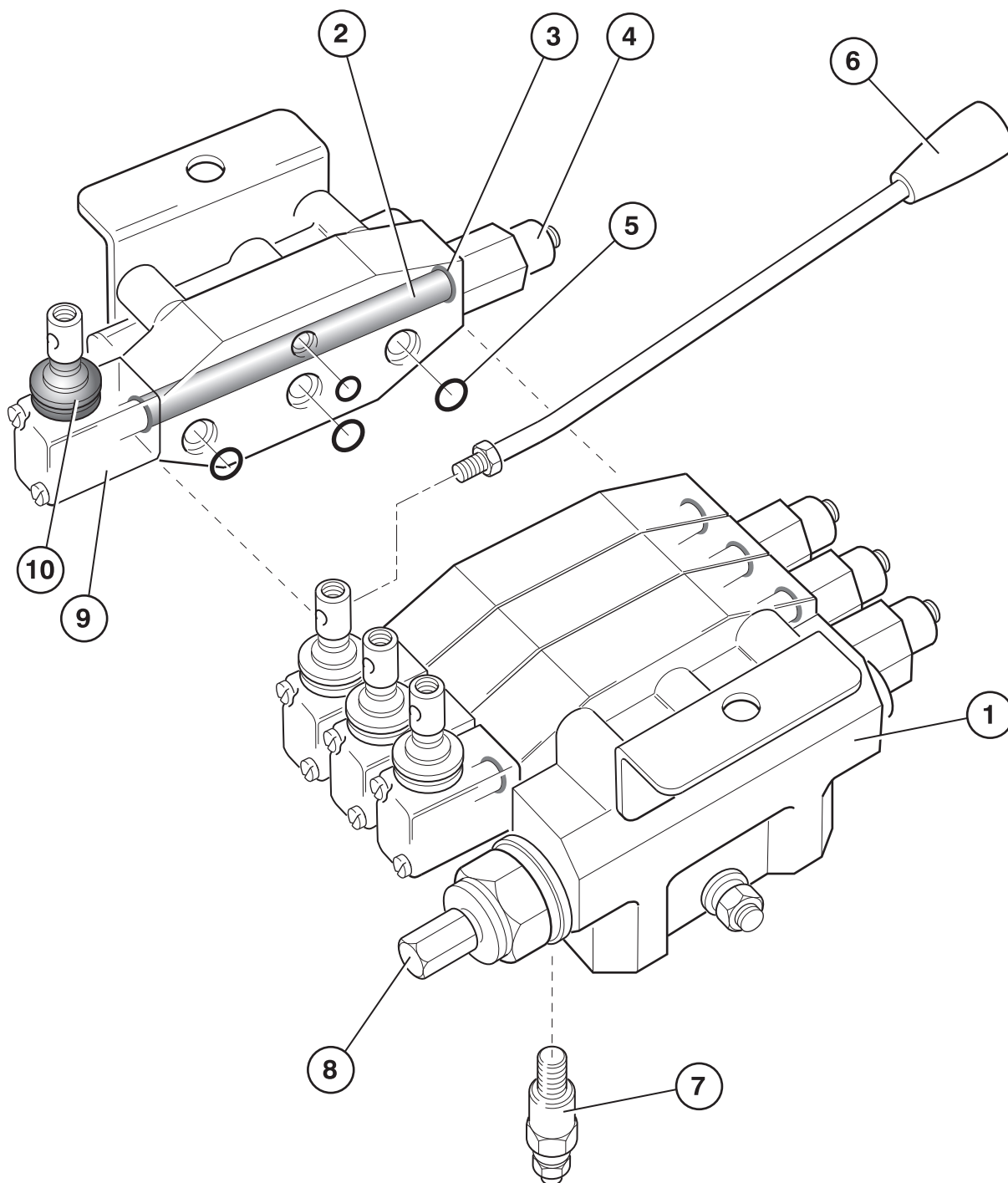
|    |                                 |  |  |  |                  |
|----|---------------------------------|--|--|--|------------------|
| 1  | Valve assembly -<br>4 spool     |  |  |  | P17844           |
| 2  | Spool AS<br>AST                 |  |  |  | P15510<br>P15511 |
| 3  | Valve seal kit                  |  |  |  | P10707           |
| 4  | Spool return spring<br>assembly |  |  |  | P16234           |
| 5  | Interface seal kit              |  |  |  | P10706           |
| 6  | Lever (200mm)                   |  |  |  | P70336           |
| 7  | Pressure relief valve           |  |  |  | P15840           |
| 8  | Pressure relief valve           |  |  |  | P70335           |
| 9  | Lever cap                       |  |  |  | P70338           |
| 10 | Rubber boot                     |  |  |  | P12225           |

french  
german  
spanish

superstructure

2-20





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german  
spanish

**superstructure**

**Figure 2.7 Control valve (4 spool)**

## 2.8 Button box assembly

Item Description Part Number

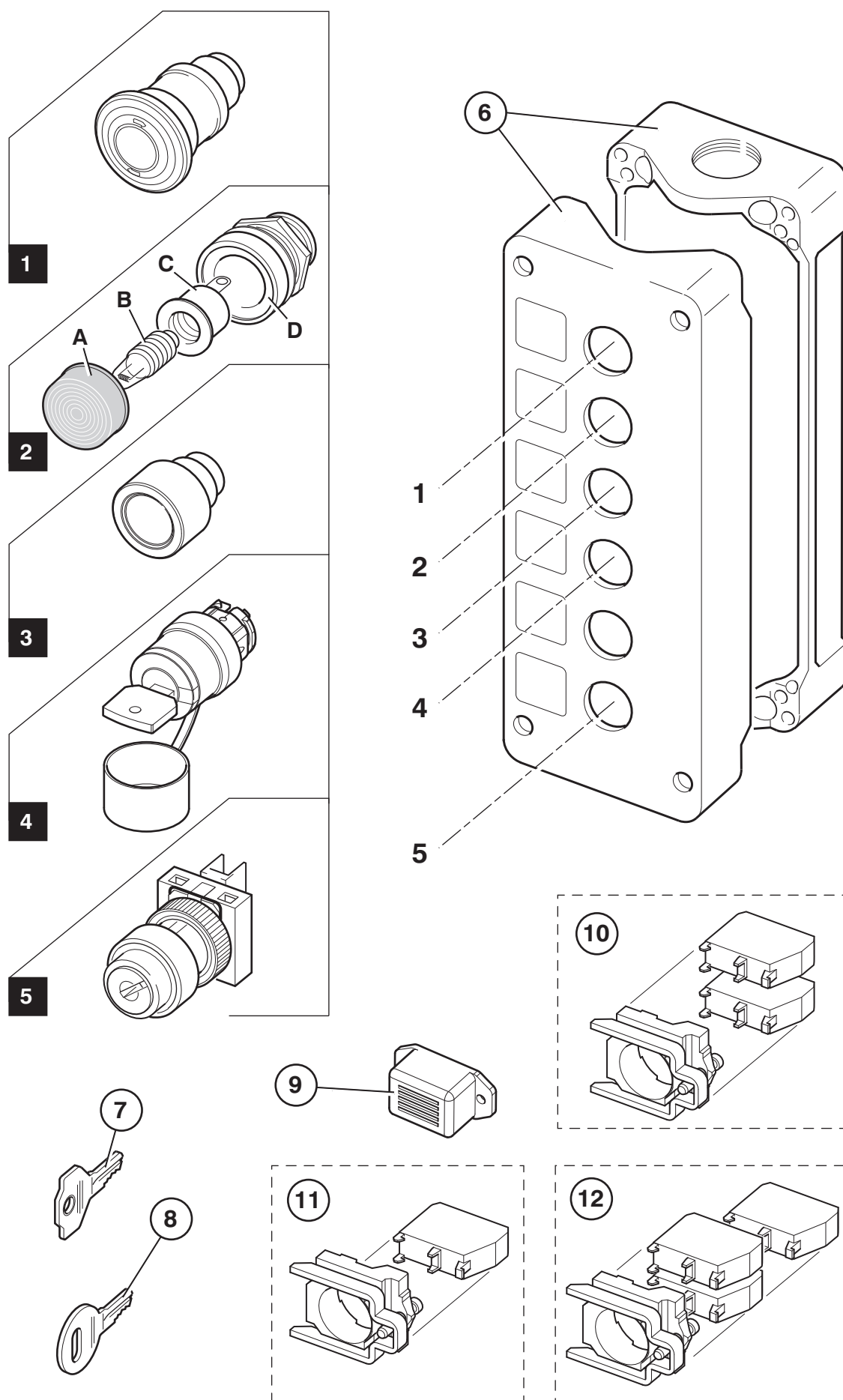
|      |                                                                                                         |  |  |  |                                      |
|------|---------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------|
| 1    | E-stop button<br>USA Only                                                                               |  |  |  | P24317<br>P28564                     |
| 2    | (A) Pilot light lens<br>(B) Bulb<br>(C) Lamp holder<br>(D) Lamp housing                                 |  |  |  | P11295<br>P11791<br>P11790<br>P14276 |
| 3    | Button - <b>Green</b><br>(includes boot)<br>Boot ONLY                                                   |  |  |  | P30711<br>P24332                     |
| 4    | Key switch, 3 position<br>Boot                                                                          |  |  |  | P24346<br>P24321                     |
| 5    | Key switch<br>Key<br>Australia ONLY<br>(11 metre restriction)                                           |  |  |  | P19673<br>P18489                     |
| 6    | Button box - 6 hole                                                                                     |  |  |  | P22418                               |
| 7    | Key (427)                                                                                               |  |  |  | P18489                               |
| 8    | Key (455)                                                                                               |  |  |  | P70187                               |
| 9    | Buzzer                                                                                                  |  |  |  | P10341                               |
| 10   | Base, Switch<br>Contact - <b>NO</b><br>Contact - <b>NC</b><br>(Used with item 1)                        |  |  |  | P24322<br>P24323<br>P24324           |
| 11   | Base, Switch<br>Contact - <b>NO</b><br>(Used with item 3 & 5)                                           |  |  |  | P24322<br>P24323                     |
| 12   | Base, Switch<br>Contact - <b>NO</b><br>Contact - <b>NO</b><br>Contact - <b>NC</b><br>(Used with item 4) |  |  |  | P24322<br>P24323<br>P24323<br>P24324 |
| 13 * | Cover - Blank                                                                                           |  |  |  | P11251                               |

\* Not illustrated

**Note:** Items 5 and 7 applicable to Australian machine ONLY

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spanish

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spanish

**superstructure**

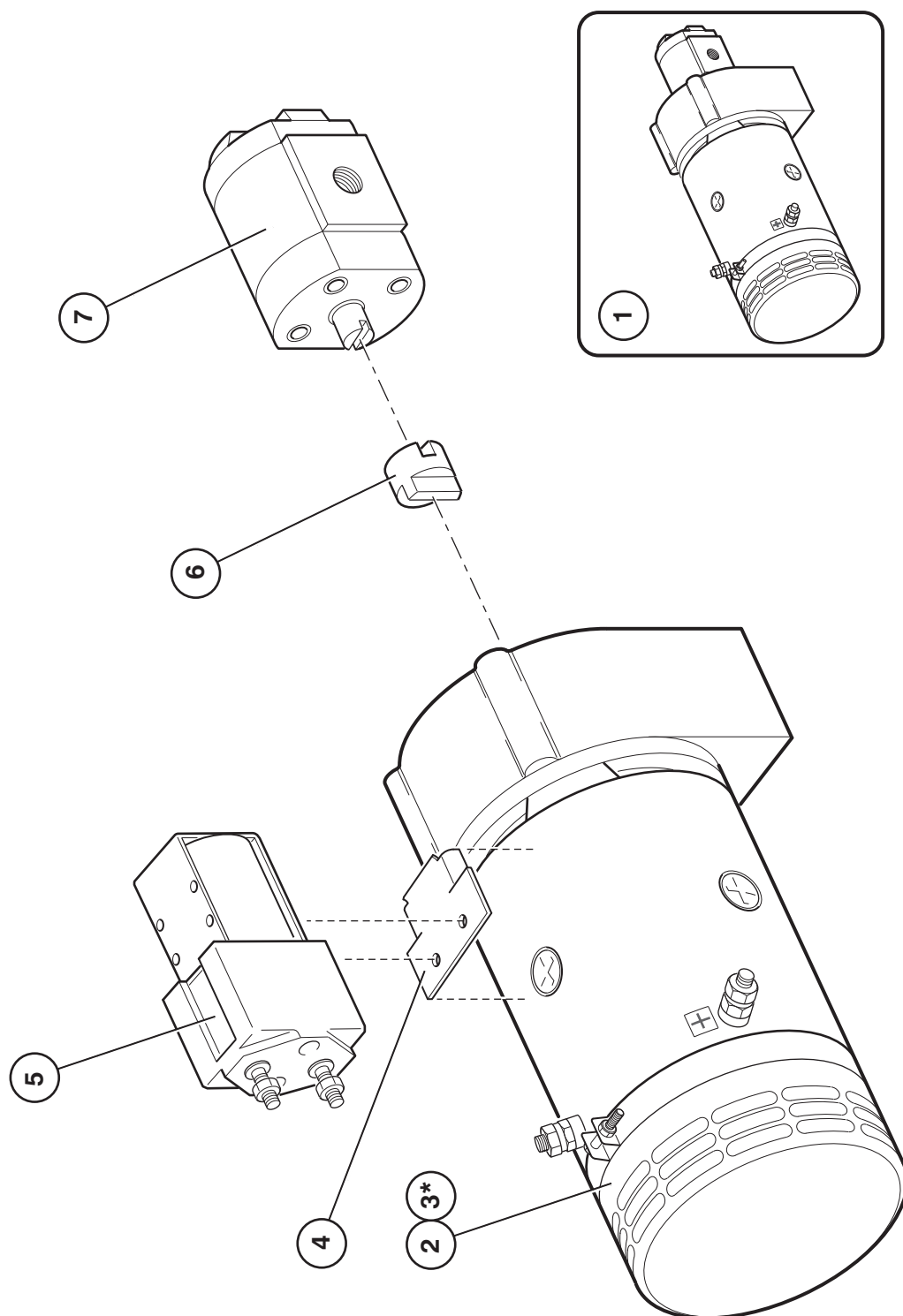
## 2.9 DC power pack

| Item | Description                           |  |  |  | Part Number |
|------|---------------------------------------|--|--|--|-------------|
| 1    | Complete assembly<br>(Items 2, 6 & 7) |  |  |  | P17492      |
| 2    | Motor                                 |  |  |  | P18536      |
| 3 *  | Brushes for item 2                    |  |  |  | P11226      |
| 4    | Mounting plate                        |  |  |  | P16315      |
| 5    | Contact solenoid                      |  |  |  | P11877      |
| 6    | Coupling                              |  |  |  | P18537      |
| 7    | Pump                                  |  |  |  | P18538      |

\* Not illustrated

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german  
spanish

superstructure



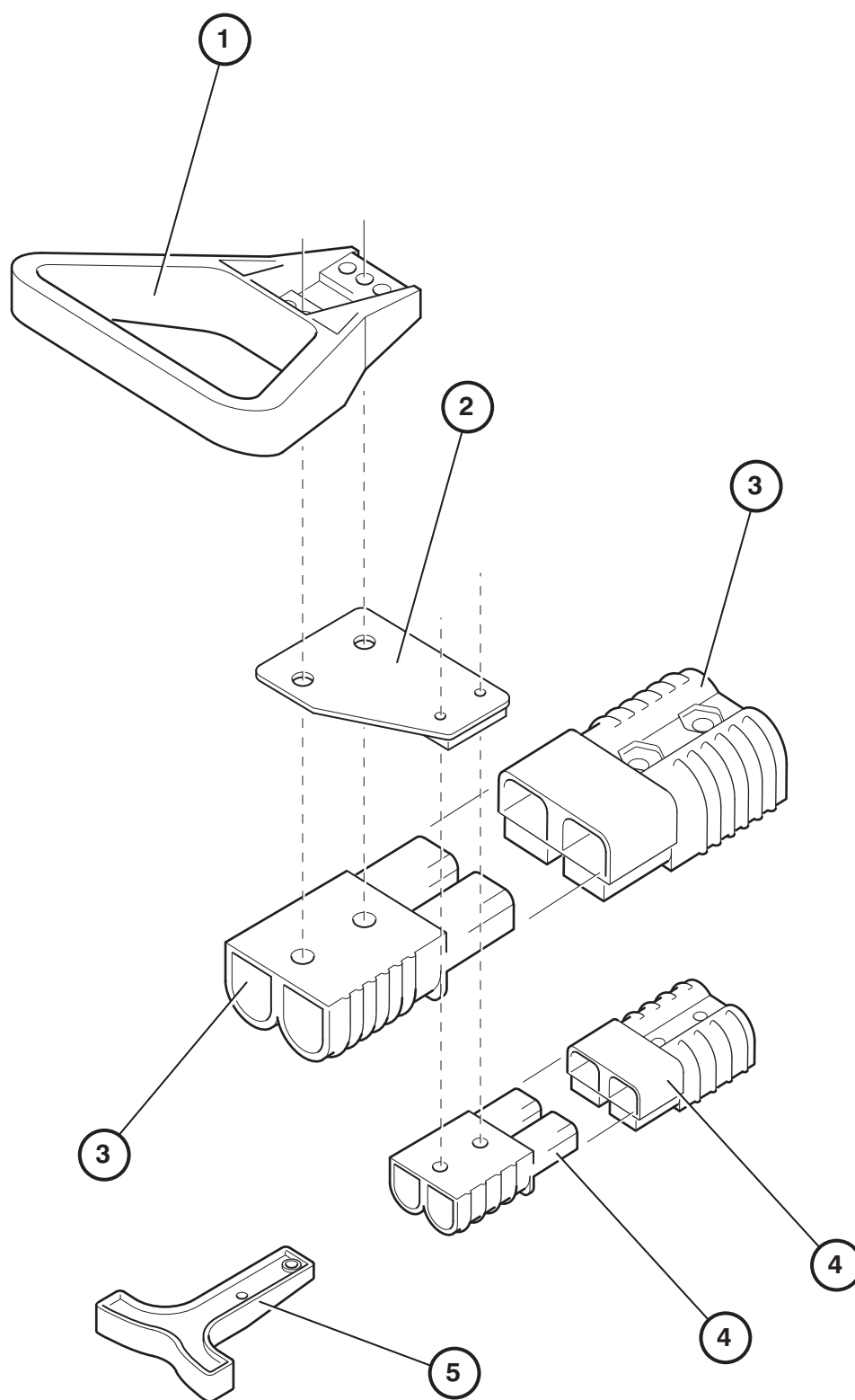
french  
german  
spanish

**superstructure**

2-25

## 2.10 Anderson connector

| Item | Description       | Part Number |  |  |        |
|------|-------------------|-------------|--|--|--------|
| 1    | Handle            |             |  |  | P17084 |
| 2    | Mounting plate    |             |  |  | P15271 |
| 3    | Connector         |             |  |  | P17083 |
| 4    | Connector - 12v   |             |  |  | P17085 |
| 5    | Handle - Anderson |             |  |  | P16942 |



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spanish

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**nifty**



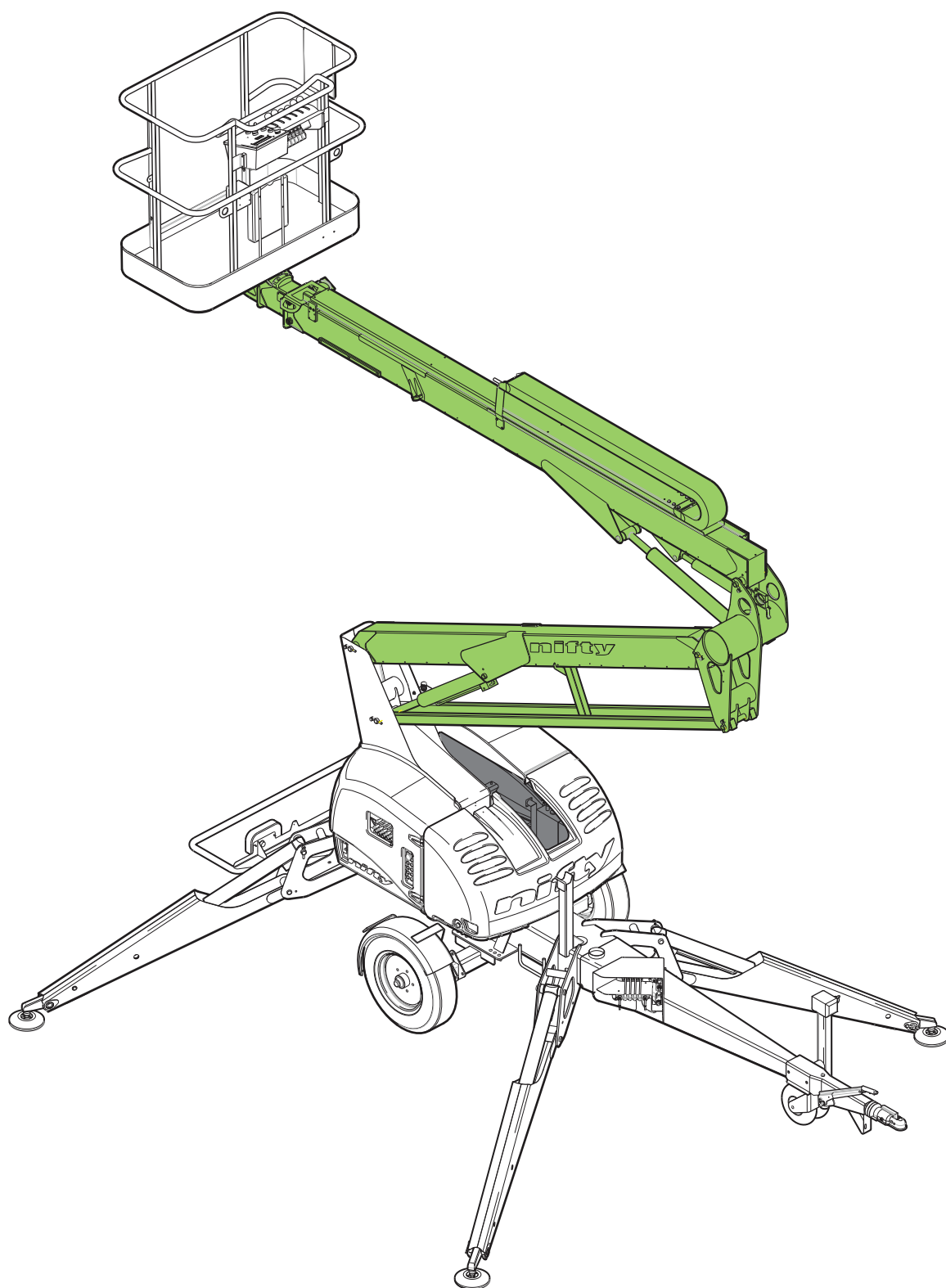
## 150T (TM42T)

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**3**

**boom assemblies**

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spanish

## 3.1 Boom 1 assembly

Item Description Part Number

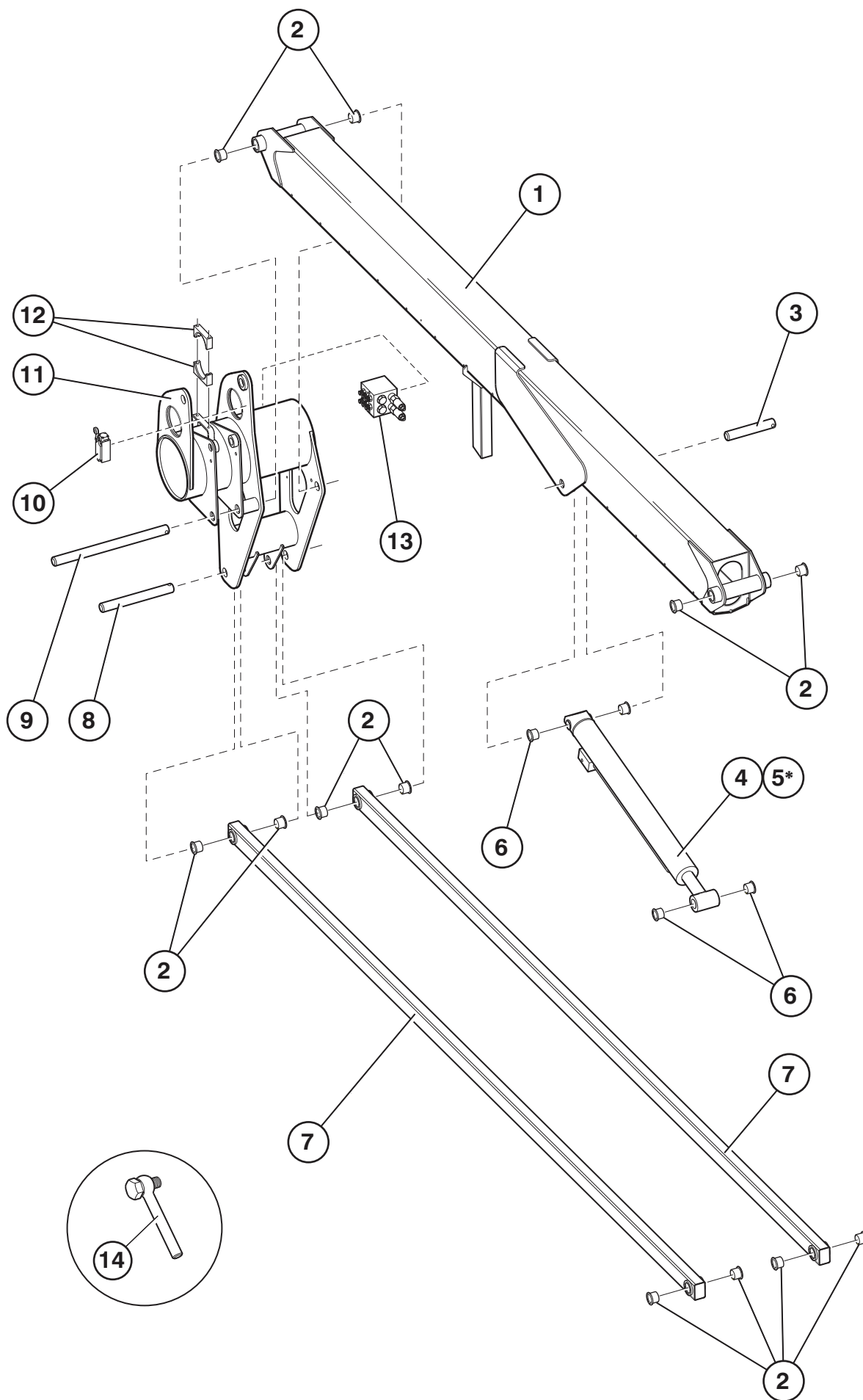
|     |                                                          |  |  |  |        |
|-----|----------------------------------------------------------|--|--|--|--------|
| 1   | Boom 1                                                   |  |  |  | P16806 |
| 2   | Bush                                                     |  |  |  | P12651 |
| 3   | Pin (Lift cylinder)                                      |  |  |  | P15953 |
| 4   | Lift cylinder<br>See "Lift cylinder"<br>on page 3-8      |  |  |  | P16963 |
| 5 * | Seal kit for item 4                                      |  |  |  | P18466 |
| 6   | Bush                                                     |  |  |  | P10032 |
| 7   | Levelling rod                                            |  |  |  | P24754 |
| 8   | Pivot pin - 262mm                                        |  |  |  | P17313 |
| 9   | Pivot pin - 420mm                                        |  |  |  | P17417 |
| 10  | Microswitch<br>(see note)                                |  |  |  | P19118 |
| 11  | Knuckle                                                  |  |  |  | P16960 |
| 12  | Hose clamp                                               |  |  |  | P17991 |
| 13  | Levelling valve<br>See "Levelling<br>valve" on page 3-14 |  |  |  | P16100 |
| 14  | Swing bolt                                               |  |  |  | P15966 |

\* Not illustrated

**Note: Item 10 fitted to Australian machine ONLY**

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spanish

boom assemblies



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german  
spanish

**boom assemblies**

3-3

## 3.2 Telescopic boom assembly

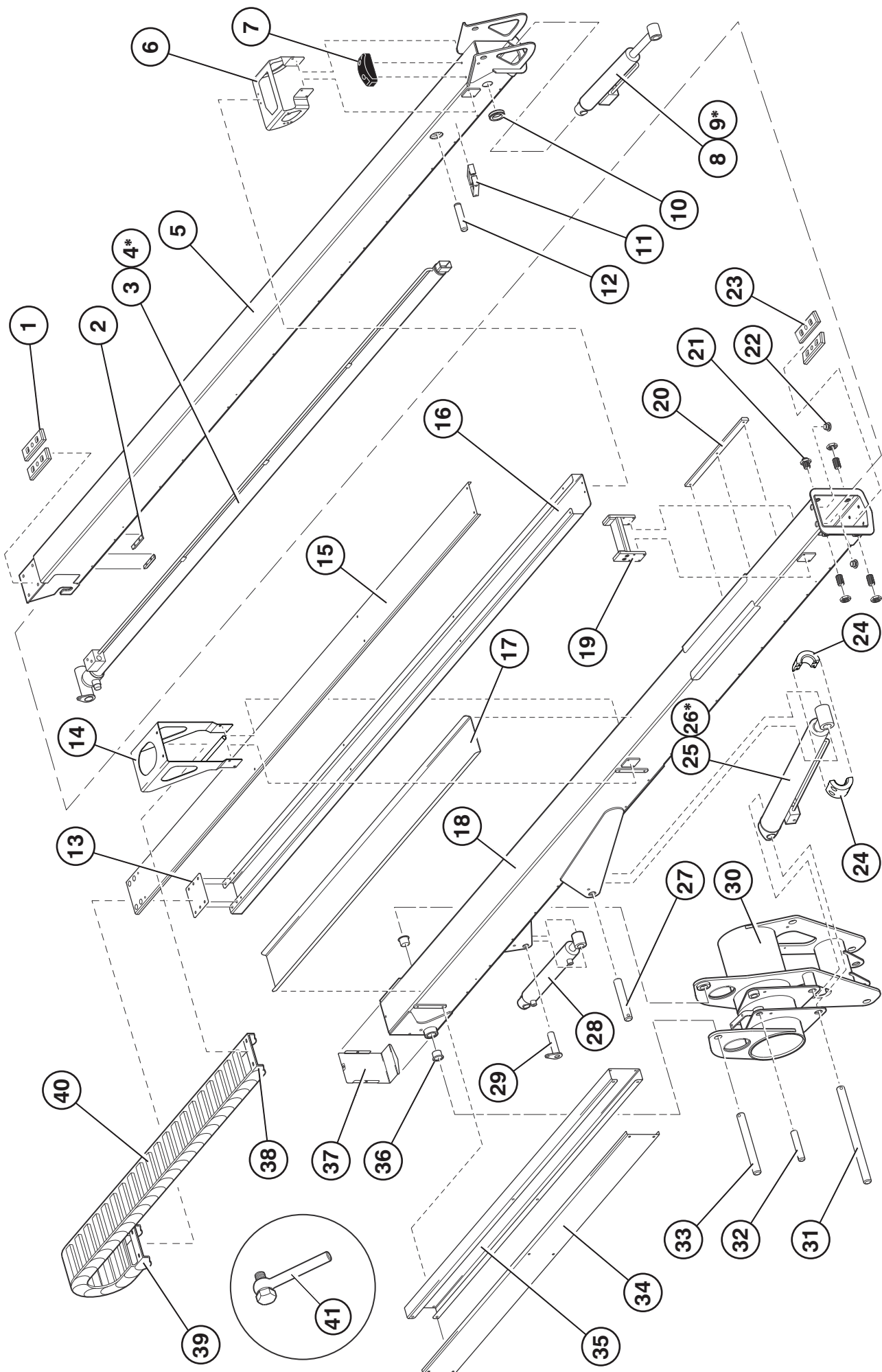
Item Description Part Number

|     |                                                              |  |  |  |        |
|-----|--------------------------------------------------------------|--|--|--|--------|
| 1   | Wear pad                                                     |  |  |  | P16176 |
| 2   | Wear pad                                                     |  |  |  | P26185 |
| 3   | Tele cylinder<br>See "Telescope cylinder" on page 3-12       |  |  |  | P16810 |
| 4 * | Seal kit for item 3                                          |  |  |  | P18464 |
| 5   | Section 0 - Inner                                            |  |  |  | P16814 |
| 6   | Bracket - Trunking                                           |  |  |  | P18152 |
| 7   | Boom rest                                                    |  |  |  | P10611 |
| 8   | Levelling cylinder<br>See "Levelling cylinders" on page 3-10 |  |  |  | P22982 |
| 9 * | Seal kit for item 8                                          |  |  |  | P18465 |
| 10  | Grommet                                                      |  |  |  | P11283 |
| 11  | Hose clamp                                                   |  |  |  | P17991 |
| 12  | Pin - 113mm                                                  |  |  |  | P17418 |
| 13  | Bracket                                                      |  |  |  | P17224 |
| 14  | Bracket - Energy chain                                       |  |  |  | P19209 |
| 15  | Lid - Upper trunking                                         |  |  |  | P17468 |
| 16  | Trunking (Upper)                                             |  |  |  | P17223 |
| 17  | Channel - Energy chain                                       |  |  |  | P18175 |
| 18  | Section 1 - Outer                                            |  |  |  | P16812 |
| 19  | Wear pad - Trunking                                          |  |  |  | P18144 |
| 20  | Wear strip                                                   |  |  |  | P17725 |
| 21  | Wear screw                                                   |  |  |  | P17778 |
| 22  | Wear pad                                                     |  |  |  | P18391 |
| 23  | Wear pad                                                     |  |  |  | P16176 |
| 24  | Spacer (one half)                                            |  |  |  | P18963 |

\* Not illustrated

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spanish

boom assemblies



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spanish

**boom assemblies**

3-5

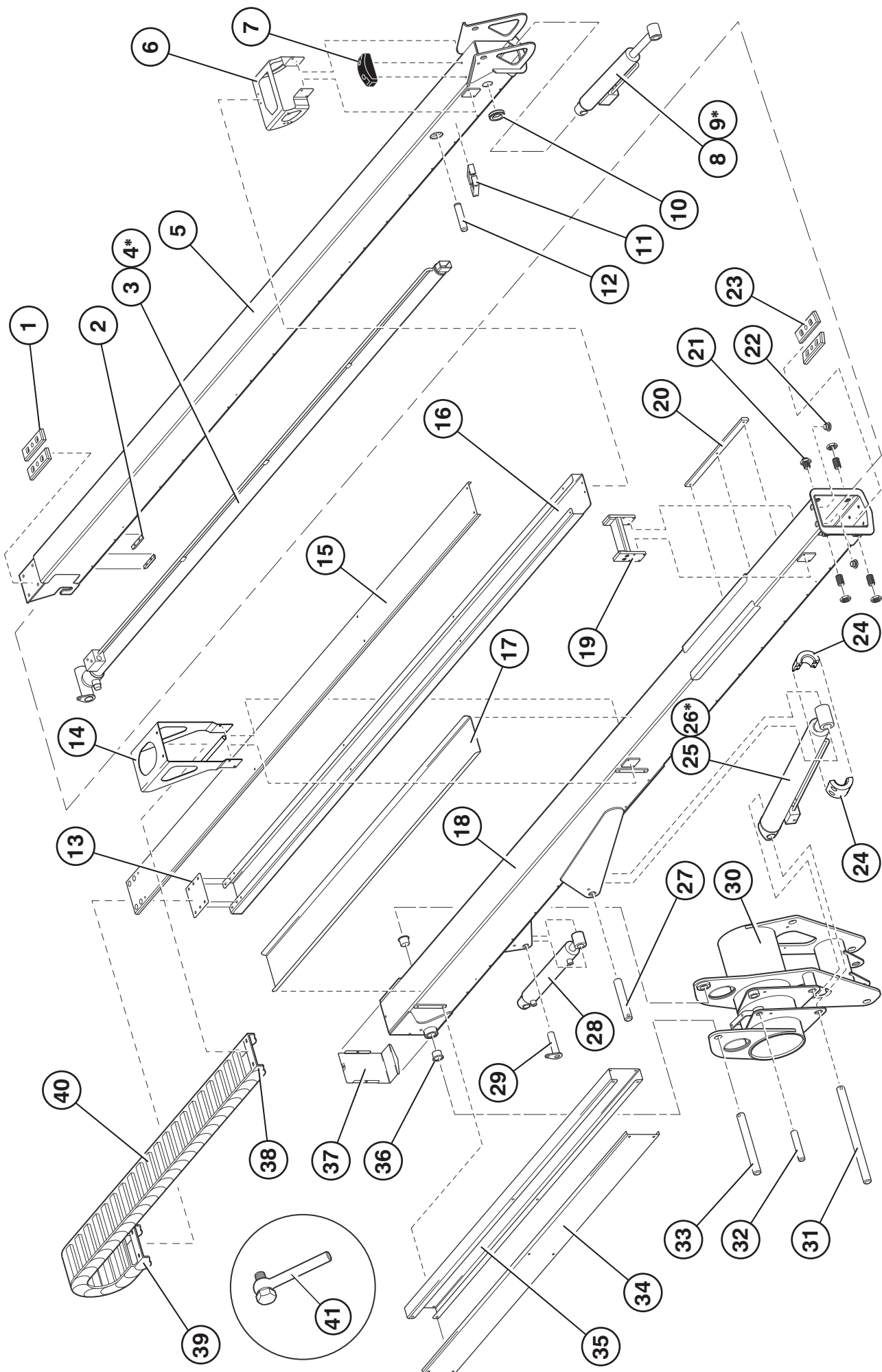
## 3.2 continued

Item Description Part Number

|     |                                                                                |  |  |  |                            |
|-----|--------------------------------------------------------------------------------|--|--|--|----------------------------|
| 25  | Lift cylinder<br>See "Lift cylinder"<br>on page 3-8                            |  |  |  | P16963                     |
| 26* | Seal kit for item 25                                                           |  |  |  | P18466                     |
| 27  | Pin (Lift cylinder)                                                            |  |  |  | P15953                     |
| 28  | Levelling cylinder<br>(Side port)<br>See "Levelling cylinders"<br>on page 3-10 |  |  |  | P17088                     |
| 29  | Pin - 103mm                                                                    |  |  |  | P17438                     |
| 30  | Knuckle                                                                        |  |  |  | P16960                     |
| 31  | Pivot pin - 420mm                                                              |  |  |  | P17417                     |
| 32  | Pin - 127mm                                                                    |  |  |  | P12952                     |
| 33  | Pivot pin - 262mm                                                              |  |  |  | P17313                     |
| 34  | Lid - Lower trunking                                                           |  |  |  | P17469                     |
| 35  | Trunking (Lower)                                                               |  |  |  | P17308                     |
| 36  | Bush                                                                           |  |  |  | P12651                     |
| 37  | Cover - Section 1                                                              |  |  |  | P17780                     |
| 38  | Tracking end -<br>Top bracket                                                  |  |  |  | P15244                     |
| 39  | Tracking end -<br>Bottom bracket                                               |  |  |  | P15894                     |
| 40  | Energy chain<br>Single Link<br>(Includes cross-bar)<br>Cross-bar ONLY          |  |  |  | P27390<br>P30737<br>P32788 |
| 41  | Swing bolt                                                                     |  |  |  | P15966                     |

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spanish

boom assemblies



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spanish

**boom assemblies**

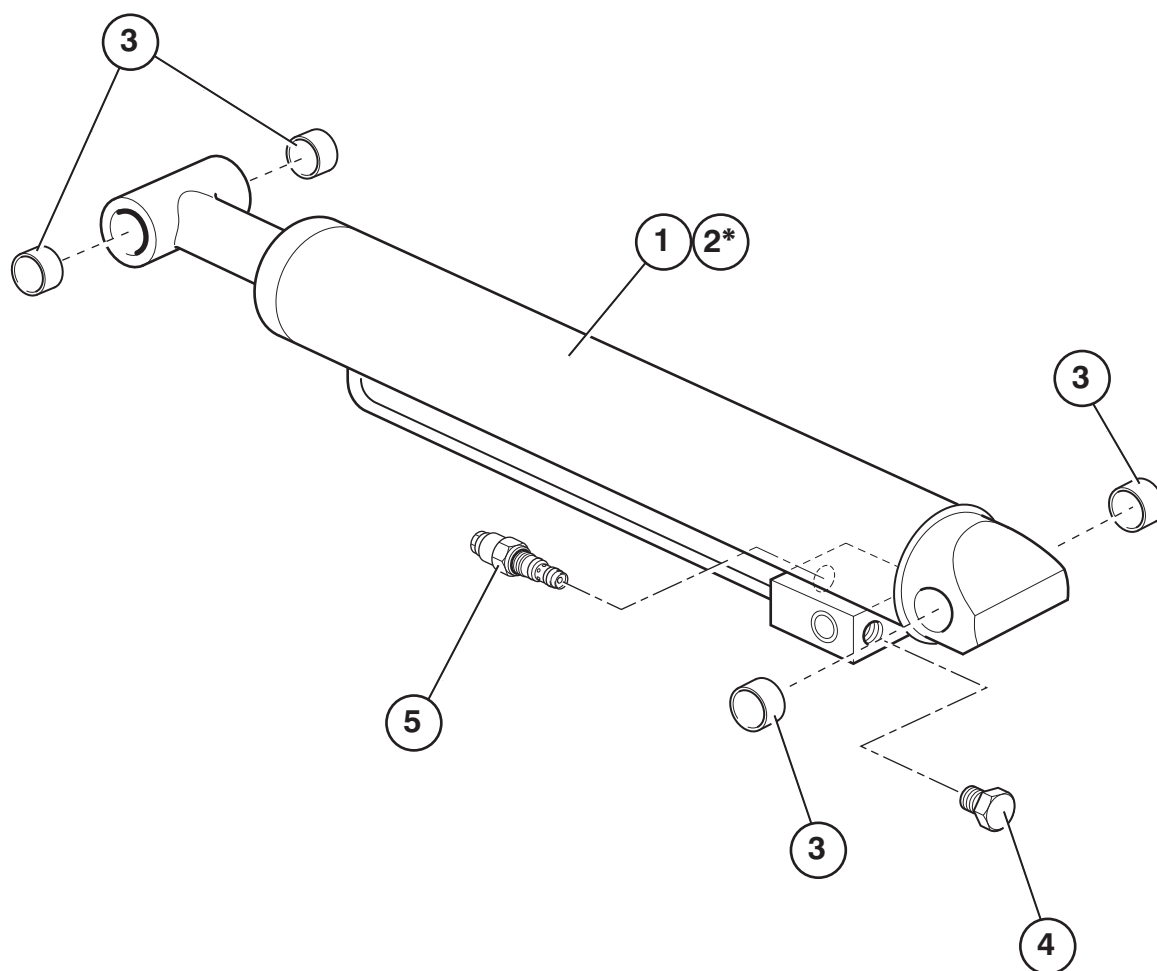
3-7

### 3.3 Lift cylinder

| Item | Description         |  |  |  | Part Number |
|------|---------------------|--|--|--|-------------|
| 1    | Cylinder            |  |  |  | P16963      |
| 2 *  | Seal kit for item 1 |  |  |  | P18466      |
| 3    | Bush DU3025         |  |  |  | P10509      |
| 4    | Cavity plug         |  |  |  | P18324      |
| 5    | Load valve          |  |  |  | P11956      |

\* Not illustrated





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spanish

**boom assemblies**

3-9

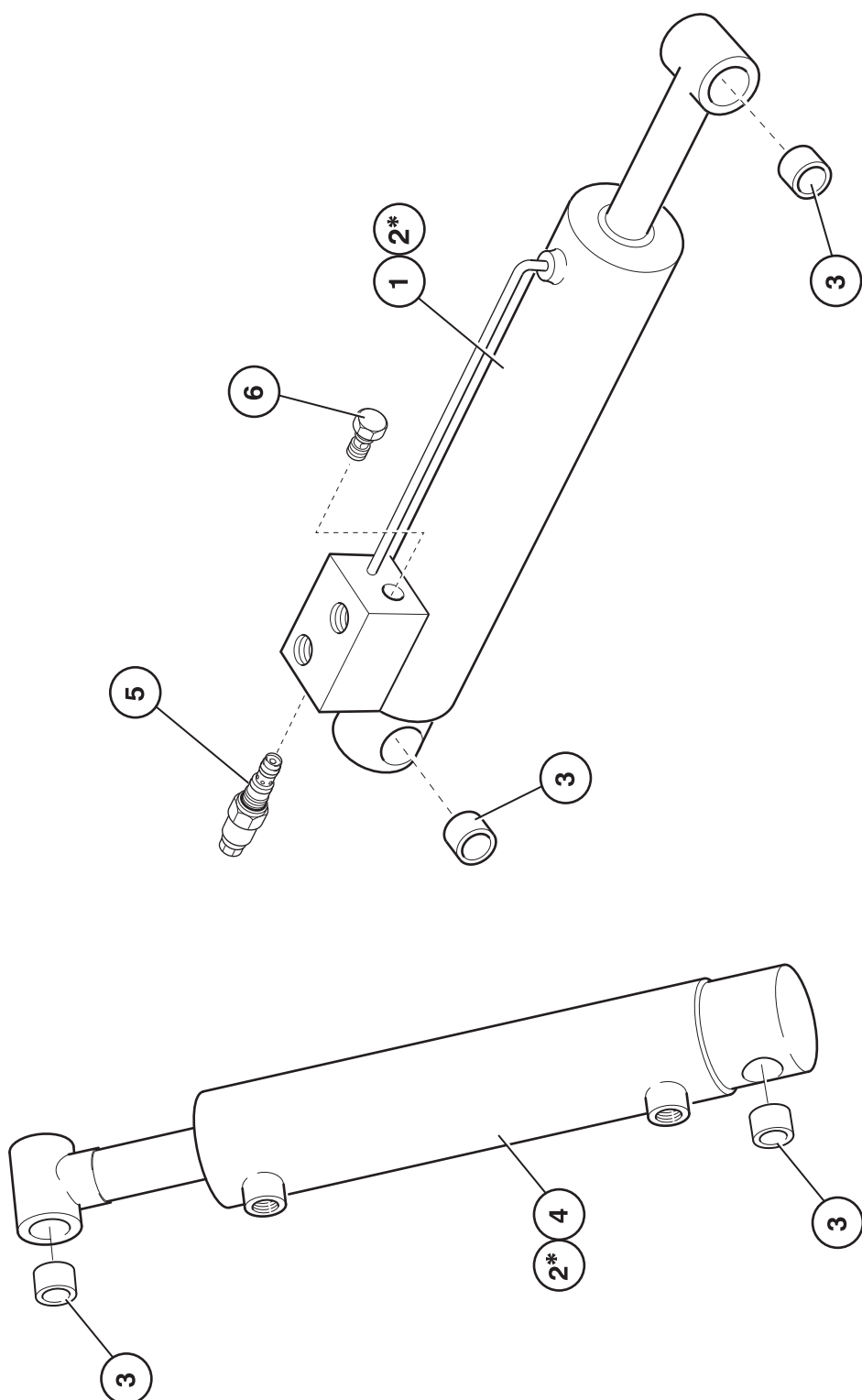
## 3.4 Levelling cylinders

| Item | Description                |  |  |  | Part Number |
|------|----------------------------|--|--|--|-------------|
| 1    | Cylinder                   |  |  |  | P22982      |
| 2 *  | Seal kit for items 1 and 4 |  |  |  | P18465      |
| 3    | Bush DU2520                |  |  |  | P10032      |
| 4    | Cylinder (Side port)       |  |  |  | P17088      |
| 5    | Load valve                 |  |  |  | P11956      |
| 6    | Check valve cartridge      |  |  |  | P17317      |

\* Not illustrated

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spanish

boom assemblies



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german  
spanish

**boom assemblies**

3-11

## 3.5 Telescope cylinder

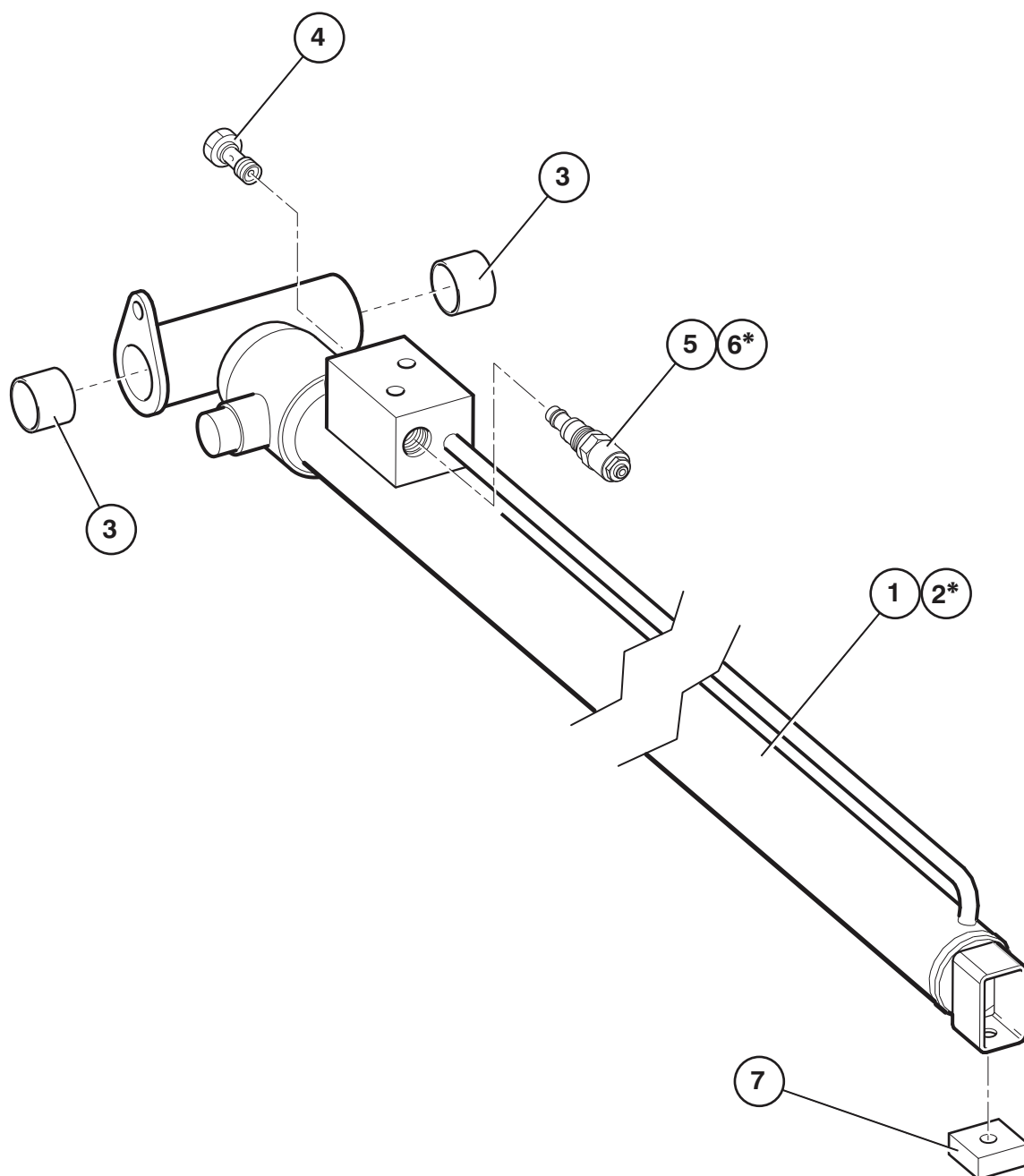
Item Description Part Number

|     |                       |  |  |  |        |
|-----|-----------------------|--|--|--|--------|
| 1   | Cylinder              |  |  |  | P16810 |
| 2 * | Seal kit for item 1   |  |  |  | P18464 |
| 3   | Bush DU3025           |  |  |  | P10509 |
| 4   | Check valve cartridge |  |  |  | P17317 |
| 5   | Load valve            |  |  |  | P11956 |
| 6 * | Seal kit for item 5   |  |  |  | P11958 |
| 7   | Rubber pad            |  |  |  | P18326 |

\* Not illustrated

french  
german  
spanish

boom assemblies



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german  
spanish

**boom assemblies**

3-13

3.6 Levelling valve

Item Description Part Number

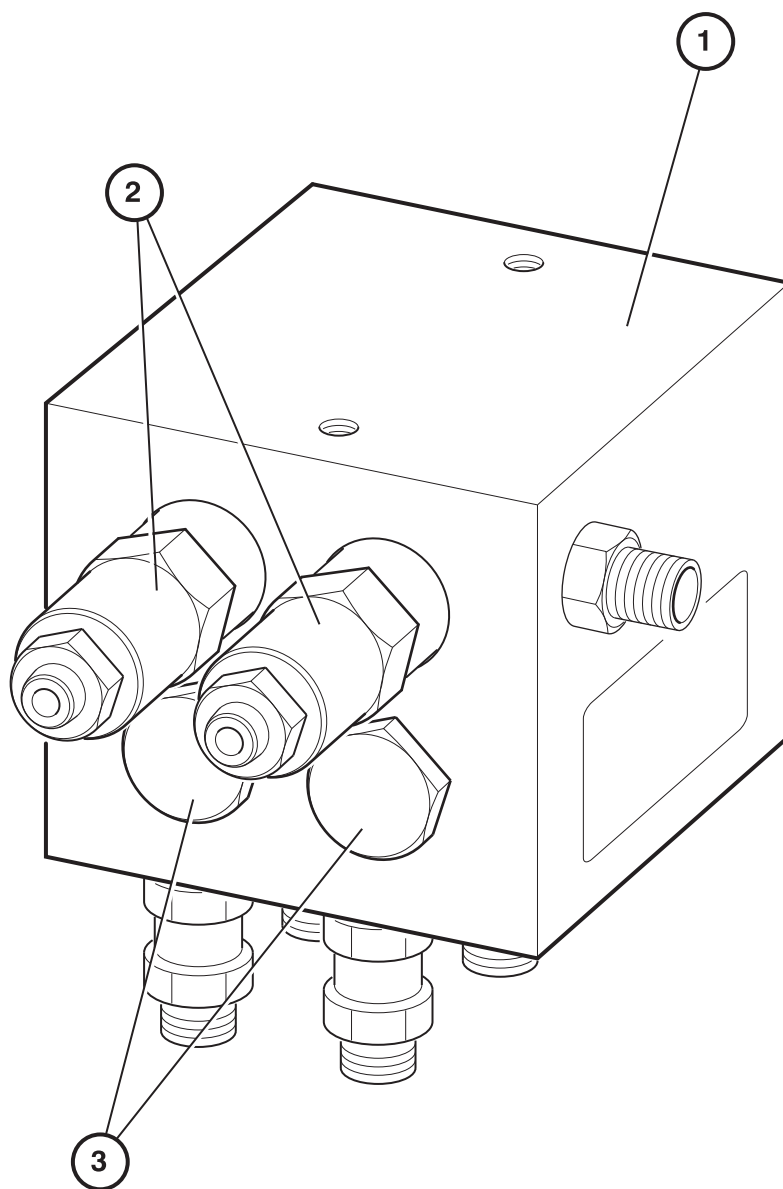
|   |                          |  |  |  |        |
|---|--------------------------|--|--|--|--------|
| 1 | Levelling valve assembly |  |  |  | P16100 |
| 2 | Relief valve (250 BAR)   |  |  |  | P18253 |
| 3 | Check valve              |  |  |  | P17317 |

french  
german  
spanish

boom assemblies



3-14



french  
german  
spanish

**boom assemblies**

3-15







**nifty**



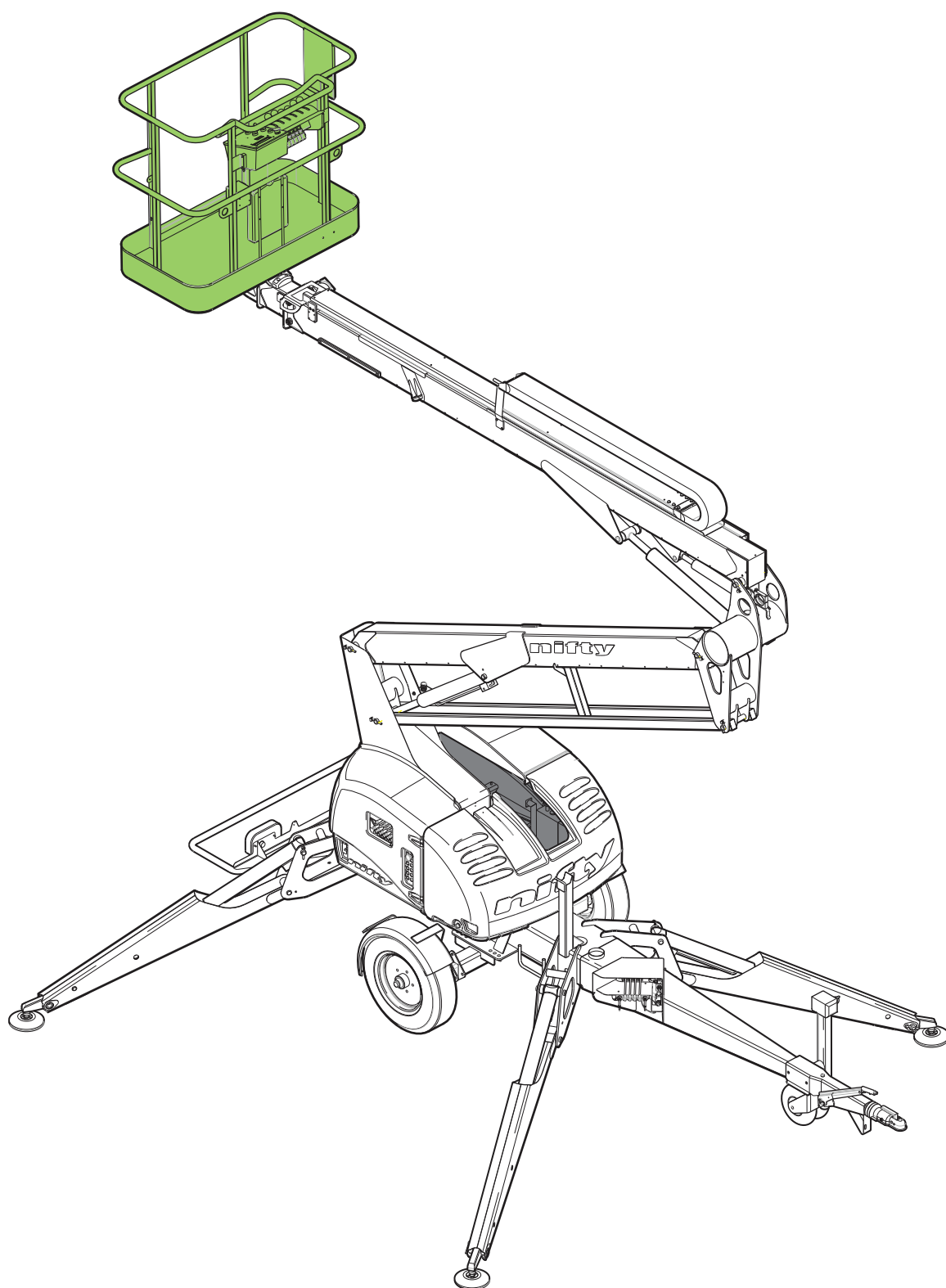
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**4**

**cage assembly**

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german  
spanish

## 4.1 Cage assembly

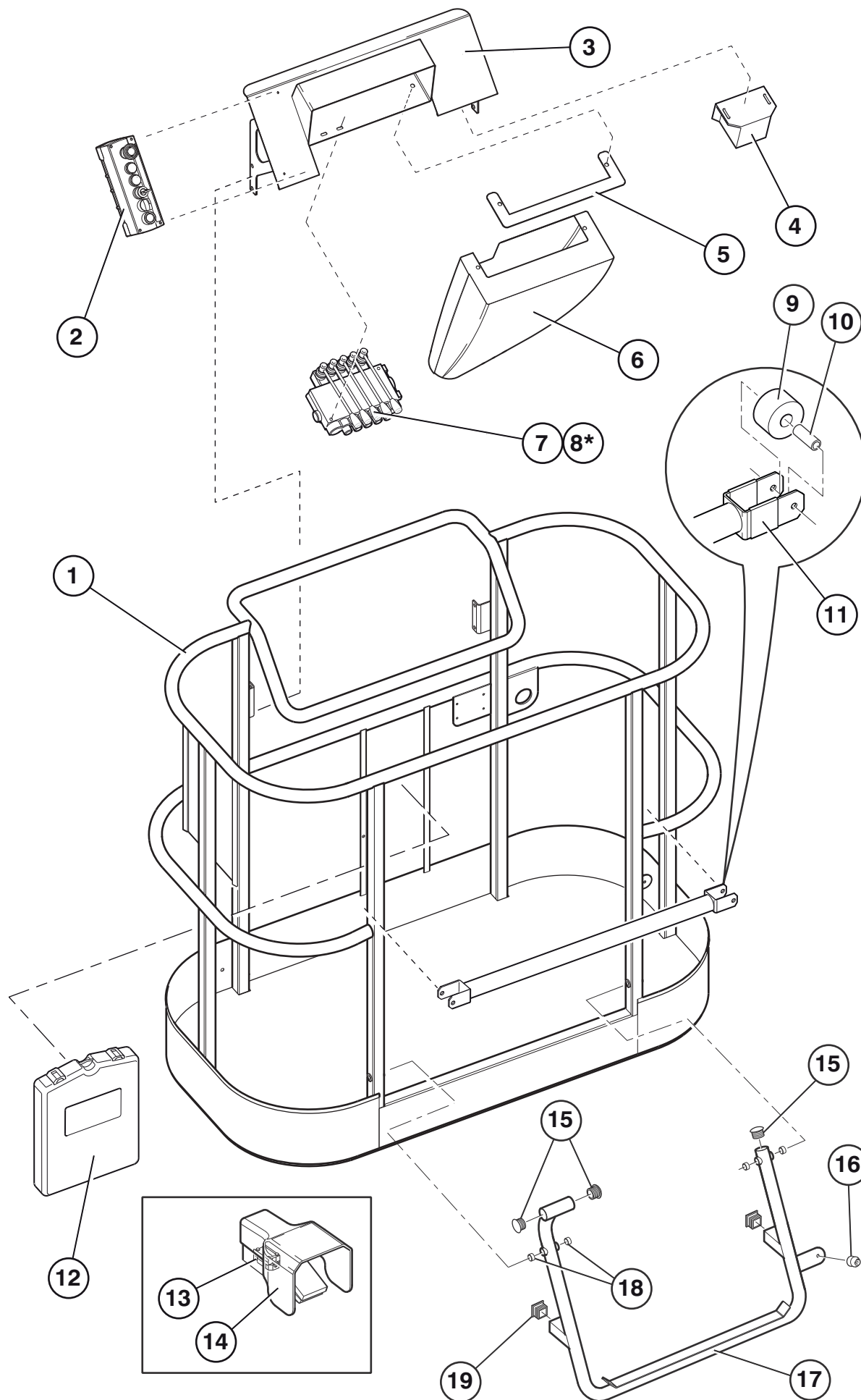
| Item | Description | Part Number |
|------|-------------|-------------|
|------|-------------|-------------|

|     |                                                             |  |  |  |                  |
|-----|-------------------------------------------------------------|--|--|--|------------------|
| 1   | Cage                                                        |  |  |  | P16962           |
| 2   | Control box assy.<br>See "Control box assembly" on page 4-6 |  |  |  | N/A              |
| 3   | Control console                                             |  |  |  | P26931           |
| 4   | Speaking siren                                              |  |  |  | P13836           |
| 5   | Bracket                                                     |  |  |  | P26705           |
| 6   | Cover - Hose burst                                          |  |  |  | P26706           |
| 7   | Control valve<br>See "Control valve (5 spool)" on page 4-8  |  |  |  | P17843           |
| 8 * | Seal kit for item 7                                         |  |  |  | P70337           |
| 9   | Nylon roller                                                |  |  |  | P19973           |
| 10  | Spacer                                                      |  |  |  | P18648           |
| 11  | Cage gate                                                   |  |  |  | P13652           |
| 12  | Instruction manual box                                      |  |  |  | P11618           |
| 13  | Electrical contact                                          |  |  |  | P26751           |
| 14  | Footswitch (OPTIONAL)<br>Cover ONLY                         |  |  |  | P26601<br>P26752 |
| 15  | End cap                                                     |  |  |  | P13379           |
| 16  | Latch - male                                                |  |  |  | P13814           |
| 17  | Cage step                                                   |  |  |  | P18731           |
| 18  | Bush                                                        |  |  |  | P10840           |
| 19  | End cap                                                     |  |  |  | P10841           |

\* Not illustrated

french  
german  
spanish

cage assembly



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german  
spanish

**cage assembly**

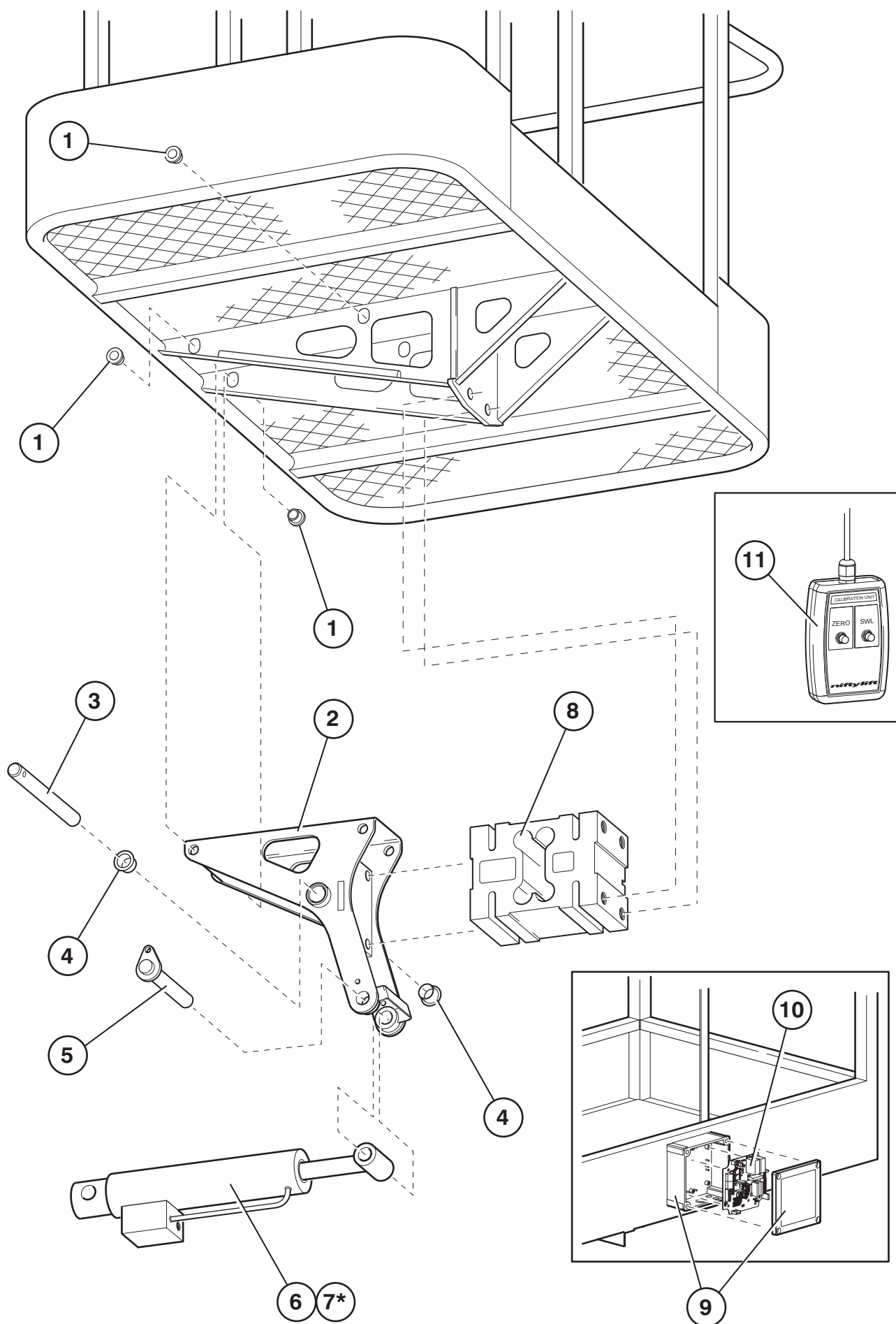
## 4.2 Cage weigh assembly

| Item | Description                                                          | Part Number |  |  |                                |
|------|----------------------------------------------------------------------|-------------|--|--|--------------------------------|
| 1    | Rubber grommet                                                       |             |  |  | P16983                         |
| 2    | Bracket                                                              |             |  |  | P16959                         |
| 3    | Pin - 158mm                                                          |             |  |  | P17424                         |
| 4    | Bush (Top hat)                                                       |             |  |  | P12250                         |
| 5    | Pin - 103mm                                                          |             |  |  | P17438                         |
| 6    | Levelling cylinder<br><i>See "Levelling cylinders" on page 3-10.</i> |             |  |  | P22982                         |
| 7 *  | Seal kit for item 6                                                  |             |  |  | P18465                         |
| 8    | Load cell<br>1.1m cable<br>2.4m cable<br>Dummy *                     |             |  |  | P18179<br>P29179<br>P23090     |
| 9    | Box assembly<br>(Includes item 10)<br>Box ONLY<br>Drain plug *       |             |  |  | P25740<br><br>P25739<br>P23737 |
| 10   | PCB - SiOPS and<br>Cage Weigh                                        |             |  |  | P30731                         |
| 11   | Calibration unit                                                     |             |  |  | T00237                         |

\* Not illustrated

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german  
spanish

cage assembly



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spanish

**cage assembly**

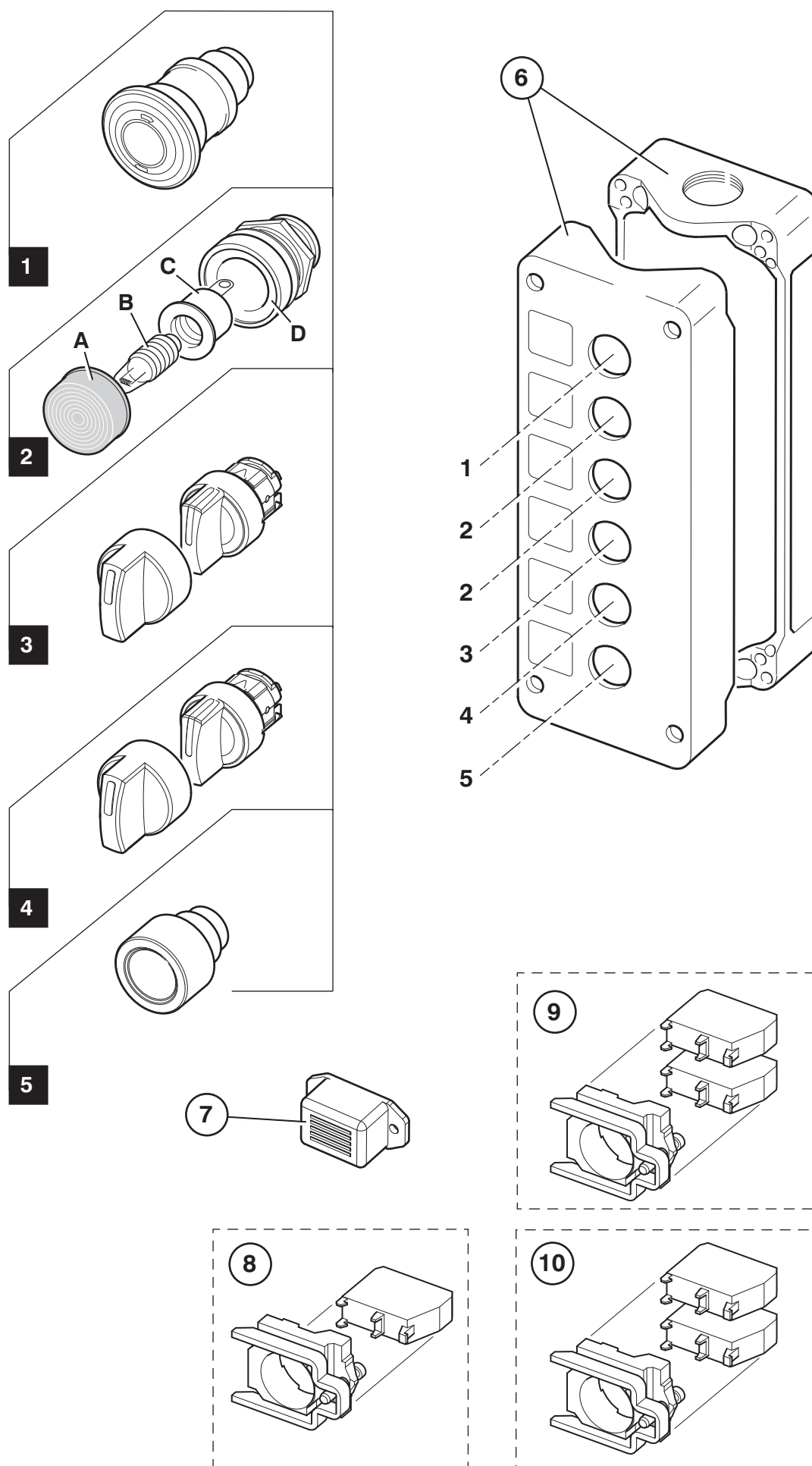
## 4.3 Control box assembly

Item Description Part Number

|     |                                                                                  |  |  |  |                                      |
|-----|----------------------------------------------------------------------------------|--|--|--|--------------------------------------|
| 1   | E-stop button<br>USA Only                                                        |  |  |  | P24317<br>P28564                     |
| 2   | (A) Pilot light lens<br>(B) Bulb<br>(C) Lamp holder<br>(D) Lamp housing          |  |  |  | P11295<br>P11791<br>P11790<br>P14276 |
| 3   | Selector switch<br>(2 position)<br>Boot                                          |  |  |  | P24318<br>P24319                     |
| 4   | Selector switch<br>(3 position)<br>Boot                                          |  |  |  | P24327<br>P24319                     |
| 5   | Button - <b>Green</b><br>(includes boot)<br>Boot ONLY                            |  |  |  | P30711<br>P24332                     |
| 6   | Button box - 6 hole                                                              |  |  |  | P22418                               |
| 7   | Buzzer                                                                           |  |  |  | P10341                               |
| 8   | Base, Switch<br>Contact - <b>NO</b><br>(Used with item 3 & 5)                    |  |  |  | P24322<br>P24323                     |
| 9   | Base, Switch<br>Contact - <b>NO</b><br>Contact - <b>NO</b><br>(Used with item 4) |  |  |  | P24322<br>P24323<br>P24323           |
| 10  | Base, Switch<br>Contact - <b>NO</b><br>Contact - <b>NC</b><br>(Used with item 1) |  |  |  | P24322<br>P24323<br>P24324           |
| 11* | Cover - blank                                                                    |  |  |  | P11251                               |

french  
german  
spanish

cage assembly



french  
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spanish

**cage assembly**

## 4.4 Control valve (5 spool)

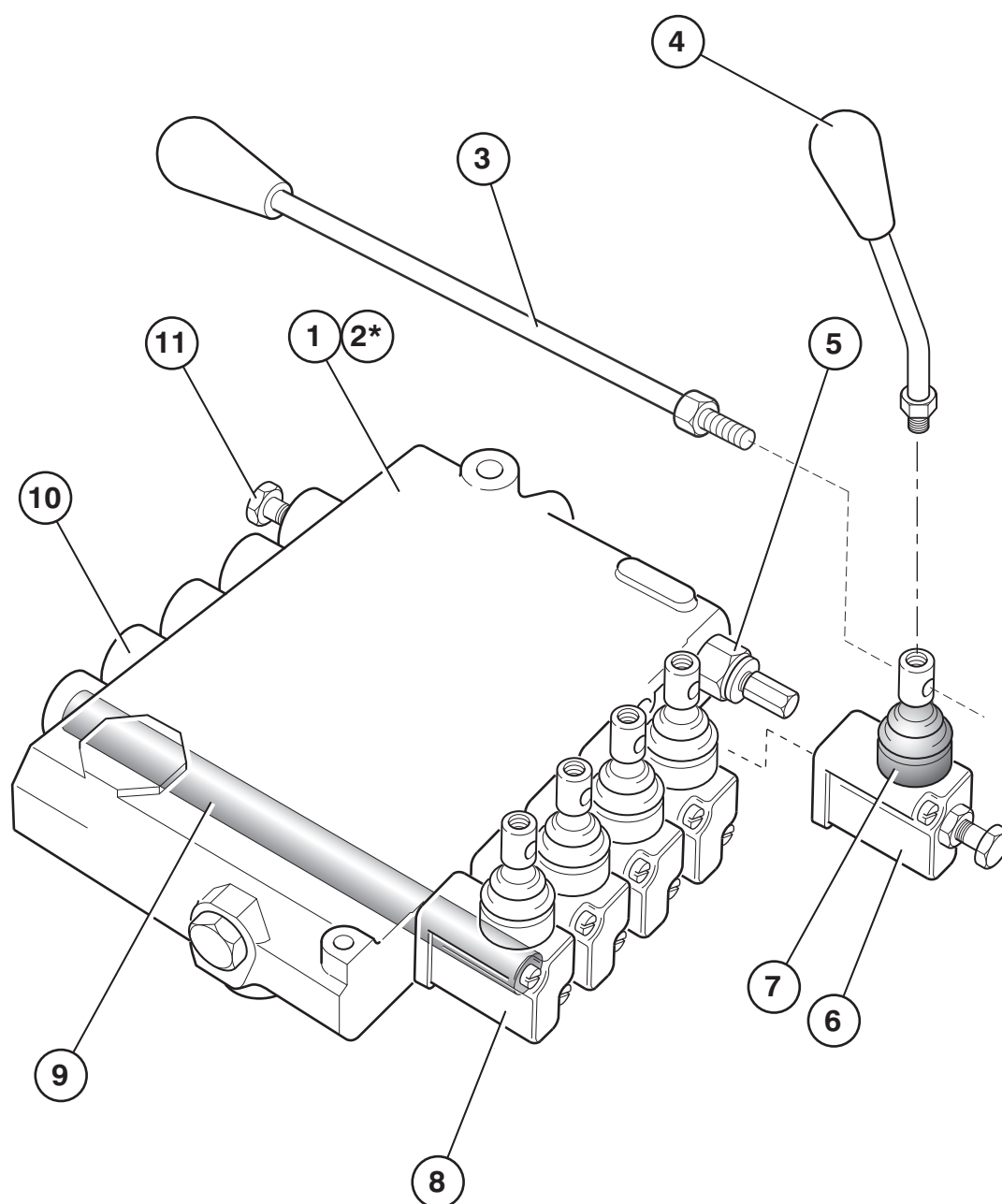
| Item | Description                              |  |  |  | Part Number |
|------|------------------------------------------|--|--|--|-------------|
| 1    | Control valve                            |  |  |  | P17843      |
| 2 *  | Seal kit for item 1                      |  |  |  | P70337      |
| 3    | Lever - 150mm                            |  |  |  | P70346      |
| 4    | Lever - short angled                     |  |  |  | P29037      |
| 5    | Pressure relief valve                    |  |  |  | P70335      |
| 6    | Lever cap and stroke restrictor          |  |  |  | P16383      |
| 7    | Rubber boot                              |  |  |  | P12225      |
| 8    | Lever cap (complete)                     |  |  |  | P70338      |
| 9    | Spool (AS)                               |  |  |  | P15510      |
| 10   | Spring return assy.                      |  |  |  | P16234      |
| 11   | Spring return assy and stroke restrictor |  |  |  | P16384      |

\* Not illustrated

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german  
spanish

cage assembly





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**cage assembly**

4-9





**nifty**



**150T (TM42T)**

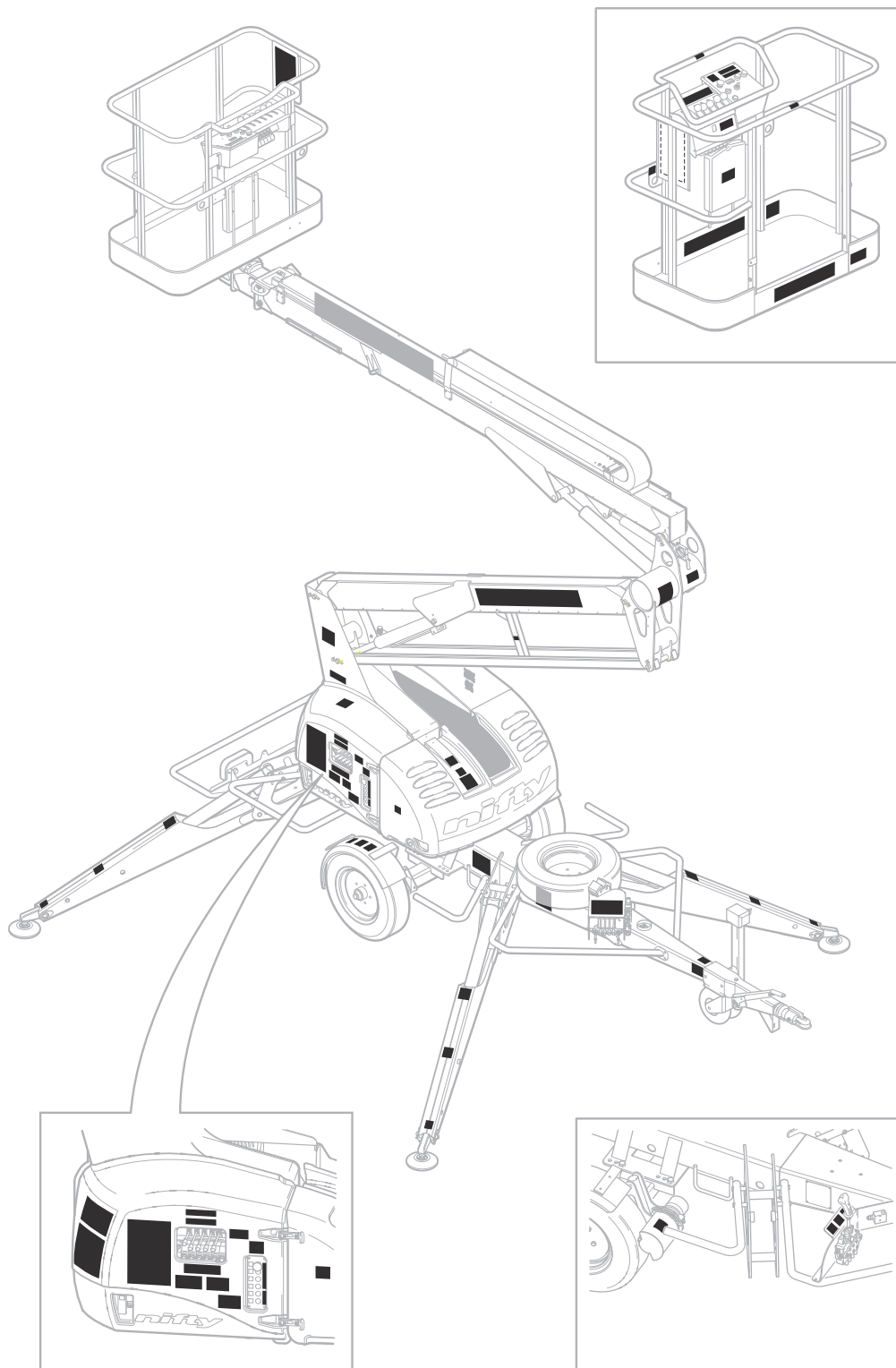


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**5**



**labelling**  
french  
german  
spanish

## 5.1 Label locations 150T

| Item | Description                | Part Number     |
|------|----------------------------|-----------------|
| 1    | Cage Controls              | Diesel P28796   |
|      |                            | Petrol P28866   |
|      |                            | Electric P28867 |
| 2    | If emergency stop disabled | P14864          |
|      | french                     | P14865          |
|      | german                     | P14866          |
|      | spanish                    | P14867          |
|      | dutch                      | P16628          |
|      | swedish                    | P19625          |
| 3    | Overload warning           | P18848          |
|      | french                     | P18849          |
|      | german                     | P18850          |
|      | spanish                    | P18851          |
|      | dutch                      | P18852          |
|      | swedish                    | P19638          |
| 4    | Outrigger alarm            | P18842          |
|      | french                     | P18843          |
|      | german                     | P18844          |
|      | spanish                    | P18845          |
|      | dutch                      | P18846          |
|      | swedish                    | P19637          |
| 5    | Head protection            | P14921          |
|      | french                     | P14921          |
|      | german                     | P14921          |
|      | spanish                    | P14921          |
|      | dutch                      | P14921          |
|      | swedish                    | P14921          |
| 6    | Control levers - Cage      | P14927          |
|      | french                     | P14927          |
|      | german                     | P14927          |
|      | spanish                    | P14927          |
|      | dutch                      | P14927          |
|      | swedish                    | P14927          |

french  
german  
spanish

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| Item      | Description       | Part Number   |
|-----------|-------------------|---------------|
| <b>7</b>  | Cage levelling    | <b>P10853</b> |
|           | french            | <b>P10853</b> |
|           | german            | <b>P10853</b> |
|           | spanish           | <b>P10853</b> |
|           | dutch             | <b>P10853</b> |
|           | swedish           | <b>P10853</b> |
| <b>8</b>  | Clunk Click       | <b>P19961</b> |
|           | french            | <b>P19961</b> |
|           | german            | <b>P19961</b> |
|           | spanish           | <b>P19961</b> |
|           | dutch             | <b>P19961</b> |
|           | swedish           | <b>P19961</b> |
| <b>9</b>  | Cage gate warning | <b>P18335</b> |
|           | french            | <b>P18335</b> |
|           | german            | <b>P18335</b> |
|           | spanish           | <b>P18335</b> |
|           | dutch             | <b>P18335</b> |
|           | swedish           | <b>P18335</b> |
| <b>10</b> | Cage entry 400mm  | <b>P18192</b> |
|           | french            | <b>P18193</b> |
|           | german            | <b>P18194</b> |
|           | spanish           | <b>P18195</b> |
|           | dutch             | <b>P18196</b> |
|           | swedish           | <b>P19633</b> |
| <b>11</b> | Footswitch        | <b>P14884</b> |
|           | french            | <b>P14885</b> |
|           | german            | <b>P13111</b> |
|           | spanish           | <b>P14887</b> |
|           | dutch             | <b>P16898</b> |
|           | swedish           | <b>P19626</b> |
| <b>12</b> | niftylift.com     | <b>P14390</b> |
|           | french            | <b>P14390</b> |
|           | german            | <b>P14390</b> |
|           | spanish           | <b>P14390</b> |
|           | dutch             | <b>P14390</b> |
|           | swedish           | <b>P14390</b> |

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## 5.1 continued

| Item | Description            | Part Number |
|------|------------------------|-------------|
| 13   | Operating instructions | P14892      |
|      | french                 | P14892      |
|      | german                 | P14892      |
|      | spanish                | P14892      |
|      | dutch                  | P14892      |
|      | swedish                | P14892      |

|    |                     |        |
|----|---------------------|--------|
| 14 | Warning - SWL 225kg | P17328 |
|    | french              | P17328 |
|    | german              | P17328 |
|    | spanish             | P17328 |
|    | dutch               | P17328 |
|    | swedish             | P17328 |

|    |               |        |
|----|---------------|--------|
| 15 | Harness point | P14883 |
|    | french        | P14883 |
|    | german        | P14883 |
|    | spanish       | P14883 |
|    | dutch         | P14883 |
|    | swedish       | P14883 |

|    |                        |        |
|----|------------------------|--------|
| 16 | General warning - Text | P29380 |
|    | french                 | P29381 |
|    | german                 | P29382 |
|    | spanish                | P29383 |
|    | dutch                  | P29385 |
|    | swedish                | P29386 |

|    |                         |        |
|----|-------------------------|--------|
| 17 | General warning - Icons | P29379 |
|    | french                  | P29379 |
|    | german                  | P29379 |
|    | spanish                 | P29379 |
|    | dutch                   | P29379 |
|    | swedish                 | P29379 |

|    |            |        |
|----|------------|--------|
| 18 | Nifty 150T | P17787 |
|    | french     | P17787 |
|    | german     | P17787 |
|    | spanish    | P17787 |
|    | dutch      | P17787 |
|    | swedish    | P17787 |

See Figure 5.1, Page 5-10

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| Item      | Description           | Part Number   |
|-----------|-----------------------|---------------|
| <b>19</b> | Booms stowed          | <b>P18198</b> |
|           | french                | <b>P18199</b> |
|           | german                | <b>P18200</b> |
|           | spanish               | <b>P18201</b> |
|           | dutch                 | <b>P18202</b> |
|           | swedish               | <b>P19634</b> |
| <b>20</b> | Coupling instructions | <b>P14896</b> |
|           | french                | <b>P14897</b> |
|           | german                | <b>P14898</b> |
|           | spanish               | <b>P14899</b> |
|           | dutch                 | <b>P16263</b> |
|           | swedish               | <b>P19627</b> |
| <b>21</b> | Battery - Isolator    | <b>P18600</b> |
|           | french                | <b>P18600</b> |
|           | german                | <b>P18600</b> |
|           | spanish               | <b>P18600</b> |
|           | dutch                 | <b>P18600</b> |
|           | swedish               | <b>P18600</b> |
| <b>22</b> | Battery drain         | <b>P19850</b> |
|           | french                | <b>P19851</b> |
|           | german                | <b>P19852</b> |
|           | spanish               | <b>P19853</b> |
|           | dutch                 | <b>P19854</b> |
|           | swedish               | <b>P19856</b> |
| <b>23</b> | Battery charging      | <b>P21951</b> |
|           | french                | <b>P21952</b> |
|           | german                | <b>P21953</b> |
|           | spanish               | <b>P21954</b> |
|           | dutch                 | <b>P21955</b> |
|           | swedish               | <b>P21957</b> |
| <b>24</b> | No step               | <b>P14785</b> |
|           | french                | <b>P14785</b> |
|           | german                | <b>P14785</b> |
|           | spanish               | <b>P14785</b> |
|           | dutch                 | <b>P14785</b> |
|           | swedish               | <b>P14785</b> |

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## 5.1 continued

| Item | Description                      | Part Number |
|------|----------------------------------|-------------|
| 25   | Crush hazard                     | P14782      |
|      | french                           | P14782      |
|      | german                           | P14782      |
|      | spanish                          | P14782      |
|      | dutch                            | P14782      |
|      | swedish                          | P14782      |
| 26   | Petrol OFF ( Petrol engine ONLY) | P19055      |
|      | french                           | P19055      |
|      | german                           | P19055      |
|      | spanish                          | P19055      |
|      | dutch                            | P19055      |
|      | swedish                          | P19055      |
| 27   | Noise warning - 73dB             | P17123      |
|      | french                           | P17123      |
|      | german                           | P17123      |
|      | spanish                          | P17123      |
|      | dutch                            | P17123      |
|      | swedish                          | P17123      |
| 28   | IPAF - Are you trained?          | P22055      |
|      | french                           | P22055      |
|      | german                           | P22055      |
|      | spanish                          | P22055      |
|      | dutch                            | P22055      |
|      | swedish                          | P22055      |
| 29   | Manual descent                   | P17854      |
|      | french                           | P17855      |
|      | german                           | P17856      |
|      | spanish                          | P17859      |
|      | dutch                            | P17858      |
|      | swedish                          | P19632      |
| 30   | Point load - 12.2 kN             | P18625      |
|      | french                           | P18625      |
|      | german                           | P18625      |
|      | spanish                          | P18625      |
|      | dutch                            | P18625      |
|      | swedish                          | P18625      |

See Figure 5.1, Page 5-10

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| Item      | Description           | Part Number |
|-----------|-----------------------|-------------|
| <b>31</b> | Axle serial plate     | n/a         |
|           | french                | P24210      |
|           | german                | P24210      |
|           | spanish               | n/a         |
|           | dutch                 | P24210      |
|           | swedish               | n/a         |
| <b>32</b> | Decouple before use   | P29590      |
|           | french                | P29590      |
|           | german                | P29590      |
|           | spanish               | P29590      |
|           | dutch                 | P29590      |
|           | swedish               | P29590      |
| <b>33</b> | Outriggers            | P29378      |
|           | french                | P29378      |
|           | german                | P29378      |
|           | spanish               | P29378      |
|           | dutch                 | P29378      |
|           | swedish               | P29378      |
| <b>34</b> | Machine plate (Blank) | P15383      |
|           | french                | P15383      |
|           | german                | P15383      |
|           | spanish               | P15383      |
|           | dutch                 | P15383      |
|           | swedish               | P15383      |
| <b>35</b> | Outriggers Warning    | P14841      |
|           | french                | P14842      |
|           | german                | P14843      |
|           | spanish               | P14844      |
|           | dutch                 | P16262      |
|           | swedish               | P19624      |
| <b>36</b> | Tyre pressure - 65psi | P14876      |
|           | french                | P14876      |
|           | german                | P14876      |
|           | spanish               | P14876      |
|           | dutch                 | P14876      |
|           | swedish               | P14876      |

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## 5.1 continued

| Item | Description            | Part Number |
|------|------------------------|-------------|
| 37   | Wheel nut torque 110Nm | P18772      |
|      | french                 | P18772      |
|      | german                 | P18772      |
|      | spanish                | P18772      |
|      | dutch                  | P18772      |
|      | swedish                | P18772      |

|    |                         |        |
|----|-------------------------|--------|
| 38 | Daily Safety Check List | P14908 |
|    | french                  | P14909 |
|    | german                  | P14910 |
|    | spanish                 | P14911 |
|    | dutch                   | P17318 |
|    | swedish                 | P19629 |

|    |                |        |
|----|----------------|--------|
| 39 | General Notice | P18863 |
|    | french         | P18864 |
|    | german         | P18865 |
|    | spanish        | P18866 |
|    | dutch          | P18867 |
|    | swedish        | P19639 |

|    |                       |        |
|----|-----------------------|--------|
| 40 | Control levers - Base | P14928 |
|    | french                | P14928 |
|    | german                | P14928 |
|    | spanish               | P14928 |
|    | dutch                 | P14928 |
|    | swedish               | P14928 |

|    |                                                  |        |
|----|--------------------------------------------------|--------|
| 41 | Height restriction - 11m (Australia/New Zealand) | P19046 |
|----|--------------------------------------------------|--------|

|    |                                          |        |
|----|------------------------------------------|--------|
| 42 | Key switch - 11m (Australia/New Zealand) | P18433 |
|----|------------------------------------------|--------|

|    |                                          |        |
|----|------------------------------------------|--------|
| 43 | Tow Hitch - 50mm (Australia/New Zealand) | P17970 |
|----|------------------------------------------|--------|

|    |               |                                |                            |
|----|---------------|--------------------------------|----------------------------|
| 44 | Base controls | Cage weigh<br>USA<br>Australia | P21055<br>P30479<br>P31355 |
|    | french        |                                | P21055                     |
|    | german        |                                | P21055                     |
|    | spanish       |                                | P21055                     |
|    | dutch         |                                | P21055                     |
|    | swedish       |                                | P21055                     |

See Figure 5.1, Page 5-10

| Item      | Description                                     | Part Number   |
|-----------|-------------------------------------------------|---------------|
| <b>45</b> | Traction drive - Engage                         | <b>P18890</b> |
|           | french                                          | <b>P18890</b> |
|           | german                                          | <b>P18890</b> |
|           | spanish                                         | <b>P18890</b> |
|           | dutch                                           | <b>P18890</b> |
|           | swedish                                         | <b>P18890</b> |
| <b>46</b> | Traction drive - Apply handbrake before release | <b>P18975</b> |
|           | french                                          | <b>P18975</b> |
|           | german                                          | <b>P18975</b> |
|           | spanish                                         | <b>P18975</b> |
|           | dutch                                           | <b>P18975</b> |
|           | swedish                                         | <b>P18975</b> |
| <b>47</b> | Traction drive - On slope                       | <b>P18976</b> |
|           | french                                          | <b>P18976</b> |
|           | german                                          | <b>P18976</b> |
|           | spanish                                         | <b>P18976</b> |
|           | dutch                                           | <b>P18976</b> |
|           | swedish                                         | <b>P18976</b> |
| <b>48</b> | Power to cage socket 240v                       | <b>P26427</b> |
|           | french                                          | <b>P26427</b> |
|           | german                                          | <b>P26427</b> |
|           | spanish                                         | <b>P26427</b> |
|           | dutch                                           | <b>P26427</b> |
|           | swedish                                         | <b>P26427</b> |
| <b>49</b> | Charger Socket 110v                             | <b>P26424</b> |
|           | 240v                                            | <b>P26425</b> |
|           | french 110v                                     | <b>P26425</b> |
|           | german 110v                                     | <b>P26425</b> |
|           | spanish 110v                                    | <b>P26425</b> |
|           | dutch 110v                                      | <b>P26425</b> |
|           | swedish 110v                                    | <b>P26425</b> |
| <b>50</b> | Mains (AC) socket inlet                         | <b>P25891</b> |
|           | french                                          | <b>P25891</b> |
|           | german                                          | <b>P25891</b> |
|           | spanish                                         | <b>P25891</b> |
|           | dutch                                           | <b>P25891</b> |
|           | swedish                                         | <b>P25891</b> |

french  
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spanish

**labelling**

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Please refer to Figure 5.3 & 5.4  
for representation of labels

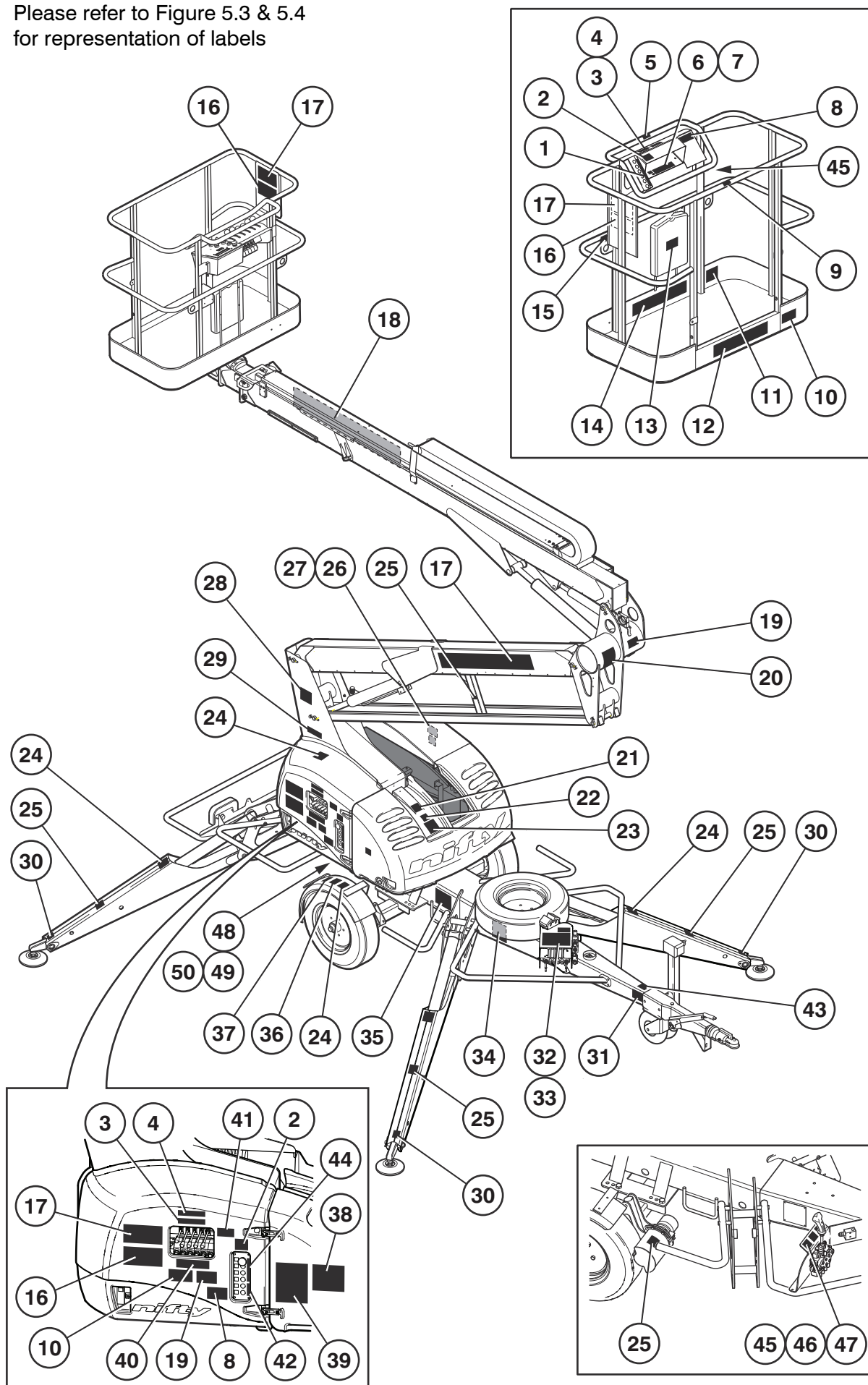


Figure 5.1 Label locations 150T

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spanish

**labelling**

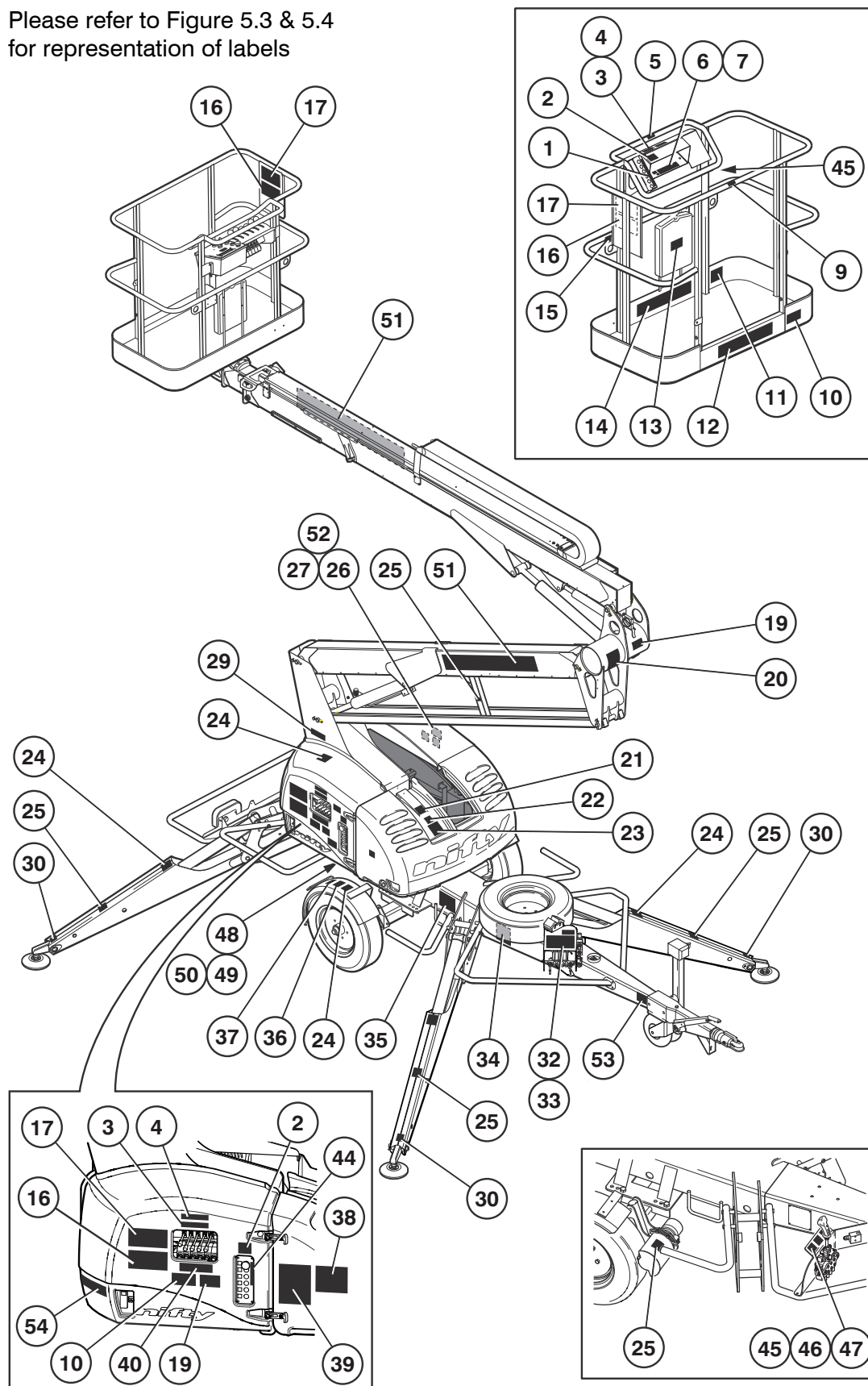
## 5.2 Label locations TM42T (USA)

| Item | Description                                     | Part Number |
|------|-------------------------------------------------|-------------|
| 1    | Control box - Basket <span>Petrol</span>        | P31392      |
| 2    | If emergency stop disabled                      | P14864      |
| 3    | Overload Warning                                | P18848      |
| 4    | Outrigger alarm                                 | P18842      |
| 5    | Head protection                                 | P14921      |
| 6    | Control levers - Basket                         | P14927      |
| 7    | Basket levelling                                | P10853      |
| 9    | Basket gate warning                             | P18335      |
| 10   | Basket entry                                    | P18192      |
| 11   | Footswitch                                      | P14884      |
| 12   | niftylift.com                                   | P14390      |
| 13   | Operating instructions                          | P14892      |
| 14   | SWL 500 lbs                                     | P17328      |
| 15   | Harness point                                   | P14883      |
| 16   | General warning - Text                          | P29380      |
| 17   | General warning - Icons                         | P29379      |
| 19   | Booms stowed                                    | P19740      |
| 20   | Coupling instructions                           | P14896      |
| 21   | Battery - Isolator                              | P18600      |
| 22   | Battery drain                                   | P19850      |
| 23   | Battery - Charging                              | P14904      |
| 24   | No step                                         | P14785      |
| 25   | Crush hazard                                    | P14782      |
| 26   | Petrol OFF (Petrol engine ONLY)                 | P19055      |
| 27   | Noise warning - 73dB                            | P17123      |
| 29   | Manual descent                                  | P17854      |
| 30   | Point load - 12.2kN                             | P18625      |
| 32   | Decouple before use                             | P29590      |
| 33   | Outriggers                                      | P29378      |
| 34   | Machine plate (Blank)                           | P15383      |
| 35   | Outriggers Warning                              | P14841      |
| 36   | Tyre pressure - 65psi                           | P14876      |
| 37   | Wheel nut torque                                | P18772      |
| 38   | Daily Safety Check List                         | P14908      |
| 39   | General Notice                                  | P18863      |
| 40   | Control levers - Base                           | P14928      |
| 44 * | Base controls                                   | P30479      |
| 45   | Traction drive - Engage                         | P18890      |
| 46   | Traction drive - Apply handbrake before release | P18975      |
| 47   | Traction drive - On slope                       | P18976      |
| 48 * | Power to cage socket - 110V                     | P26426      |
| 49   | Charger socket - 110v                           | P26424      |

\* USA only

|             |                         |               |
|-------------|-------------------------|---------------|
| <b>50</b>   | Mains (AC) socket inlet | <b>P25891</b> |
| <b>51 *</b> | Nifty TM42T             | <b>P19595</b> |
| <b>52 *</b> | A92 Compliance          | <b>P25250</b> |
| <b>53 *</b> | Name plate              | <b>P19846</b> |
| <b>54 *</b> | Rotating machinery      | <b>P15010</b> |

Please refer to Figure 5.3 & 5.4 for representation of labels



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**labelling**



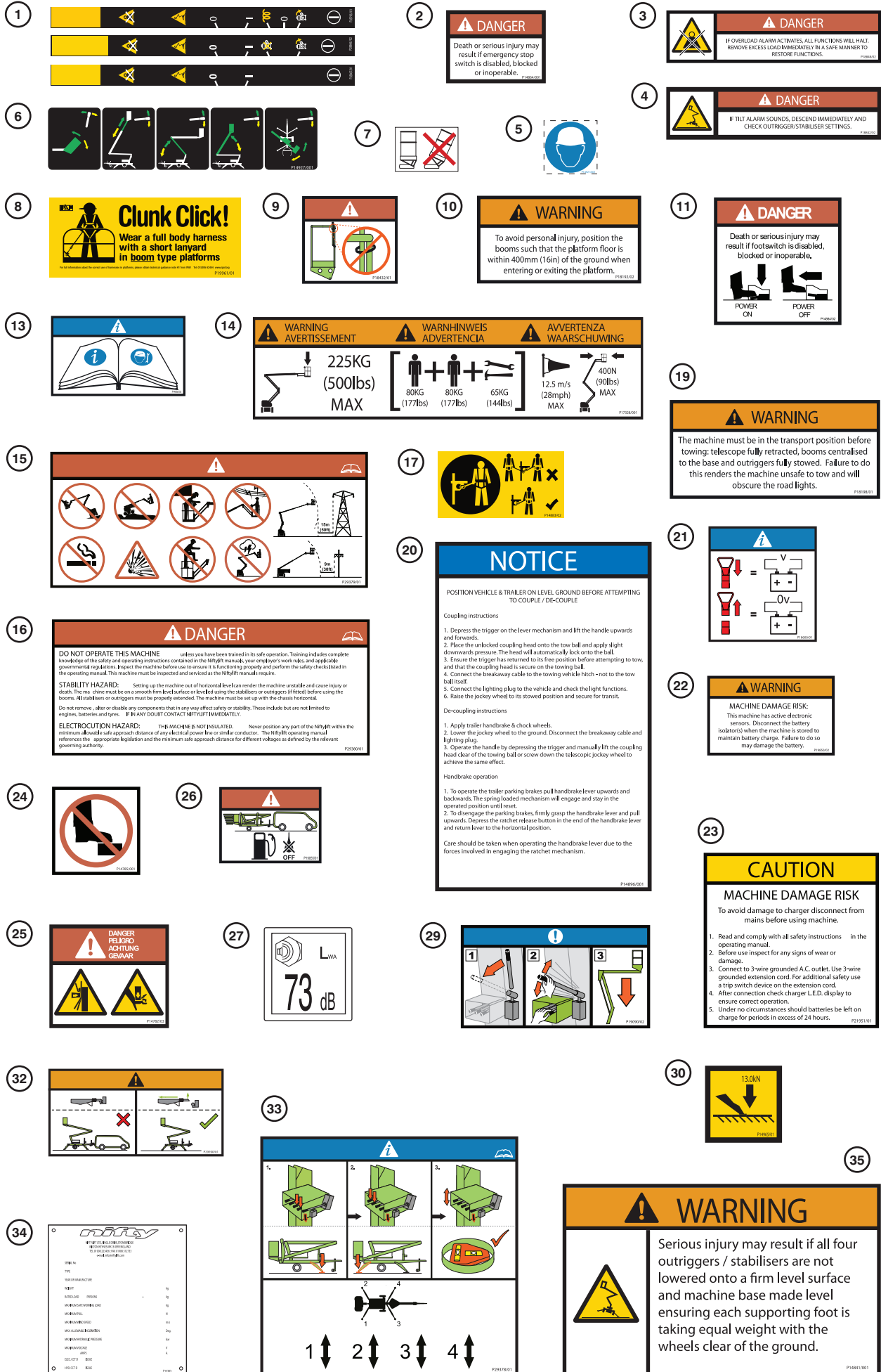
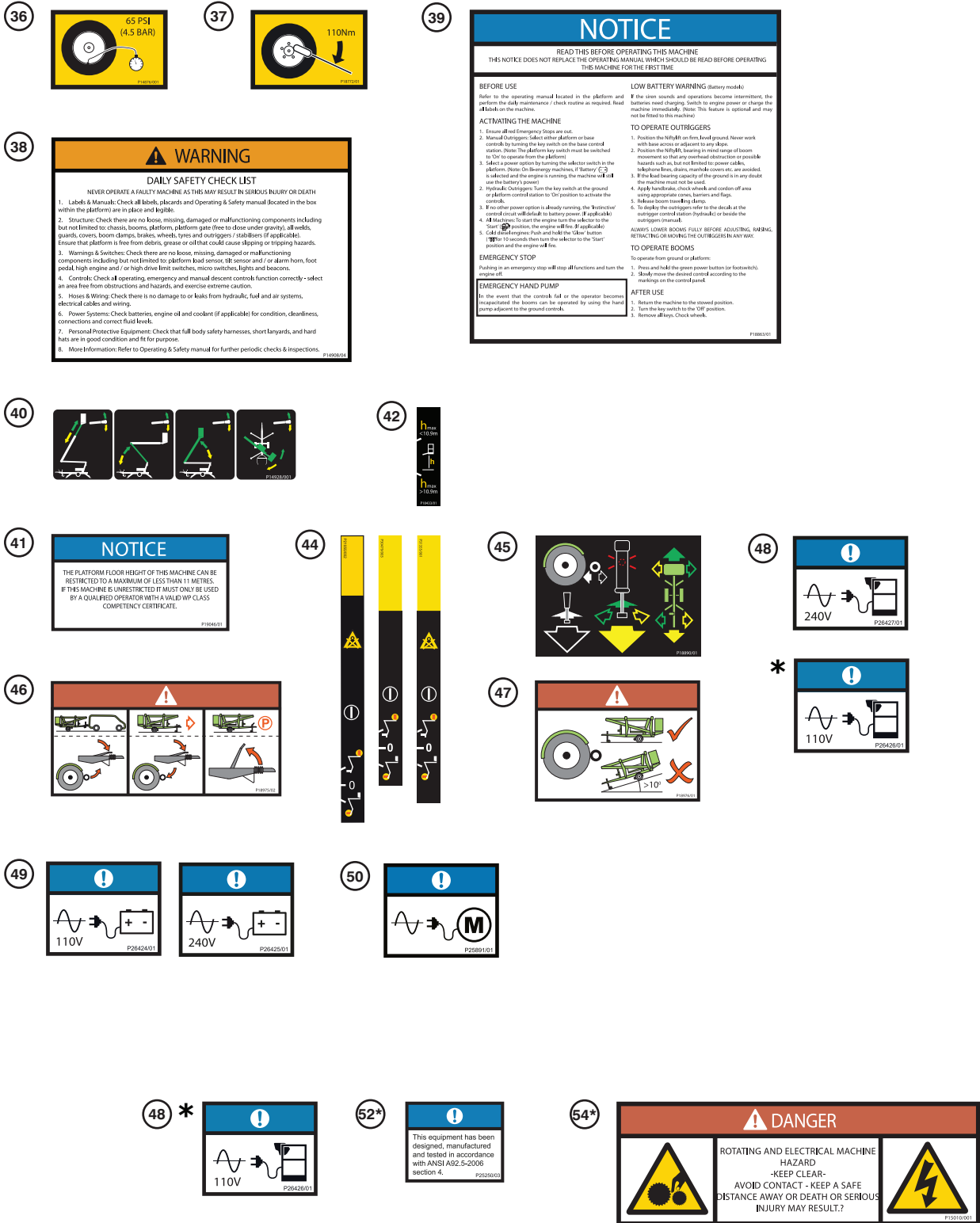


Figure 5.3 Labels 1-35





**\*TM42T (USA) ONLY**

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spanish

**labelling**

