



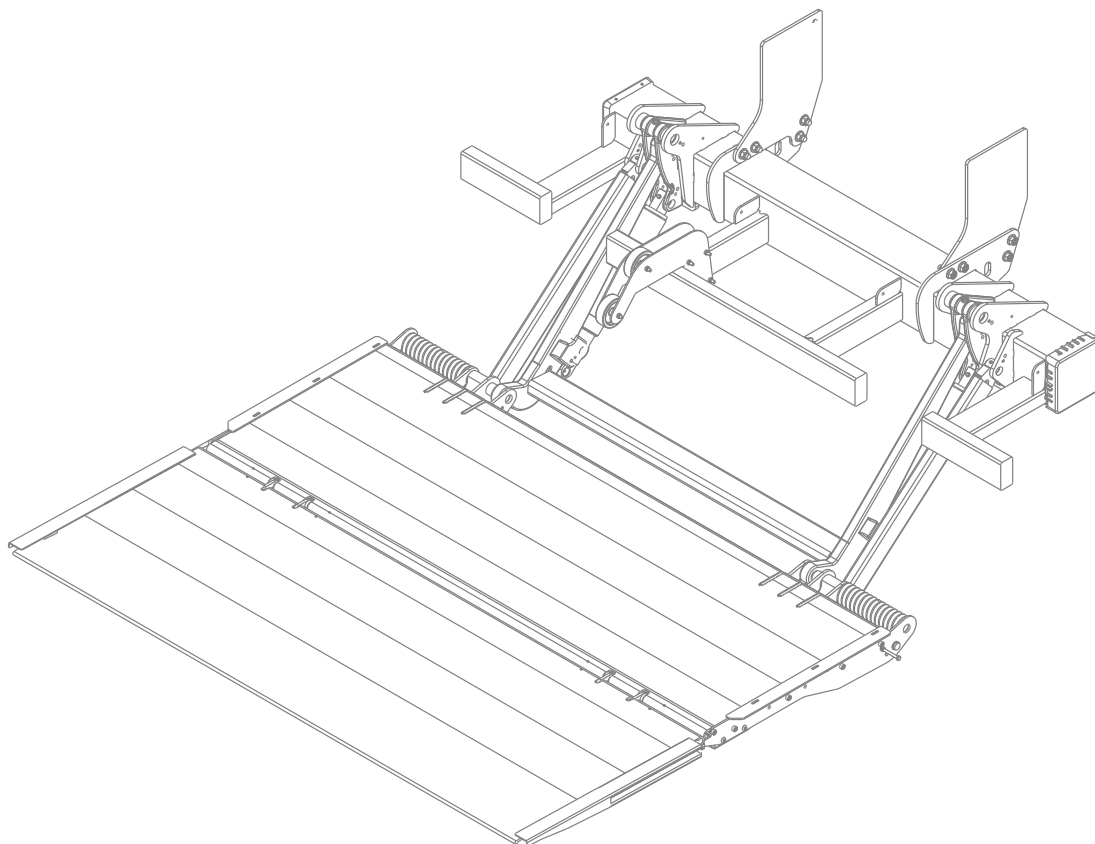
# LIFTGATES

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## PARTS MANUAL

**ILT 35, 3500 lbs. Capacity**

**ILT 40, 4000 lbs. Capacity**



**ILT 35/40 Parts Manual**  
**Document Part Number: 90-1014-000 / 14-681\_90-00\_00-00**  
**ECN-M1596, Rev. 1.9, 08-27-21**  
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**If you received this product with damaged or missing parts,**  
**contact Palfinger Liftgates at (888)-774-5844**

**Parts Order**  
**[liftgateparts@palfinger.com](mailto:liftgateparts@palfinger.com)**

**Technical Support**  
**[technicalapplications@palfinger.com](mailto:technicalapplications@palfinger.com)**



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**LIFTGATES**

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**Fax (609) 587-4201**

**Parts Orders:**

- There is a \$50.00 minimum parts order.
- Ground freight is free for spare parts orders exceeding \$1,500.00, excluding platforms, runners, mount frames and other main assemblies.
- Contact parts department, our hours are from 8 am EST in NJ until 5 pm PST in CA
- California: (888) 774-5844, or (562)924-8218, ext. 97, 29 , or 15; Fax: (562) 924-8318.  
New Jersey: at (609) 587-4200; Fax: (609) 587-4201.  
E-mail orders or inquiries for both locations to: [liftgateparts@palfinger.com](mailto:liftgateparts@palfinger.com)
- Next Day Air shipments must be received by 2:30 pm local time at either location.
- To ensure quick delivery when placing an order, please be sure to include: liftgate model, serial number, part number, and description in accordance with spare Parts List.
- Any parts being returned must have Return Merchandise Authorization (RMA) number, copy of invoice and a detailed packing list of returned parts. RMA numbers will be issued by parts department and are valid for 30 days. All returned RMA parts must be returned to Palfinger Liftgates by prepaid freight or by call tag.
- Parts must be returned in NEW CONDITION. To receive credit on returned parts, the original purchase date must be within 6 month and authorized by Palfinger Liftgates.
- Returned parts are subject to a 20% restocking charge.
- Any part received not in new condition will be subject to inspection and possible refusal. All Palfinger Liftgates parts are covered for one year from date of purchase against defects in material and workmanship.
- Warranty Coverage: part replacement only.

**Important Liftgate Information:**

1. Liftgate serial information can be found on the right (curb side) side of the mount tube as shown below. Please have the liftgate information ready when ordering parts to assure parts are replaced accurately.

**Serial Number Tags**

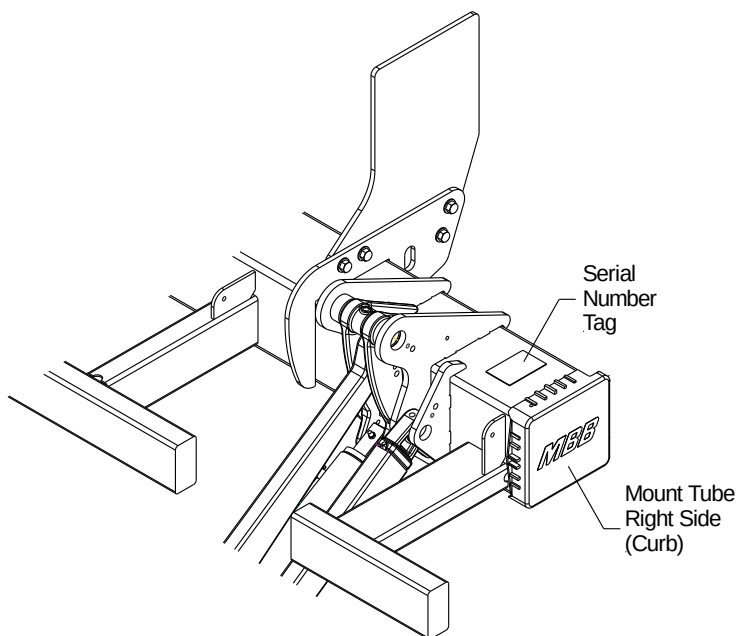
|                      |                      |                                |
|----------------------|----------------------|--------------------------------|
| <b>PALFINGER</b>     |                      |                                |
| (888) 774-5844       |                      | CERRITOS, CA.<br>TRENTON, N.J. |
| Model                | Serial No.           | Date                           |
| <input type="text"/> | <input type="text"/> | <input type="text"/>           |

**PALFINGER** 

**Model**

**Serial Number**

**Year**



2. The finish for many parts differs from liftgate to liftgate. It is important to specify what type of finish the replacement part(s) has. Palfinger Liftgates uses galvanized, galvanealed, power coat, paint, and zinc coated components on the different models of liftgates. If not sure what finish is on the part(s), mention this to the Parts Department Representative.

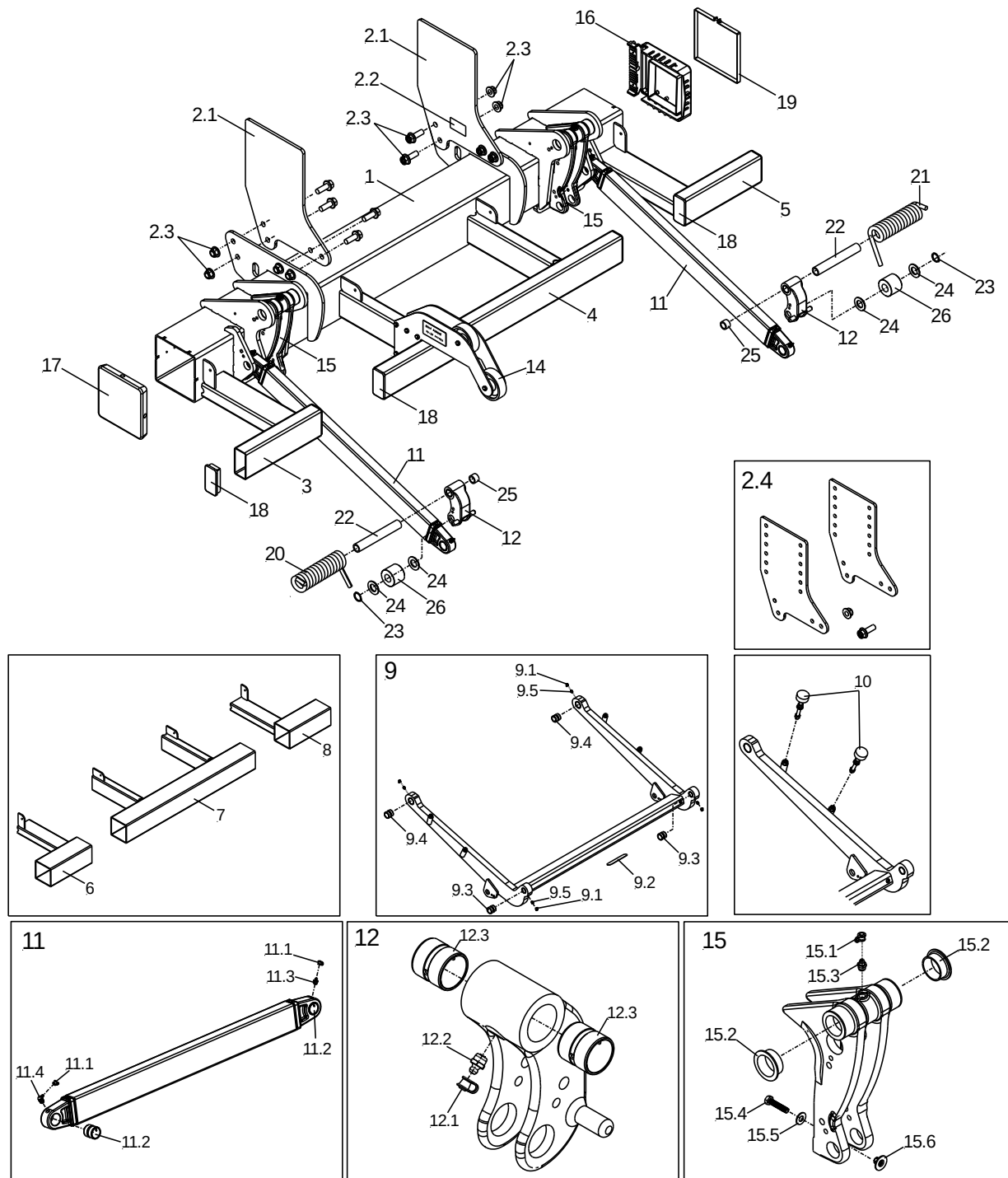


**Table of Contents**

|           |                                                                  |           |
|-----------|------------------------------------------------------------------|-----------|
| <b>1</b>  | <b>Frame.....</b>                                                | <b>6</b>  |
| <b>2</b>  | <b>Pins &amp; Bushings.....</b>                                  | <b>8</b>  |
| 2.1       | Pins & Bushings (After 2018).....                                | 8         |
| 2.2       | Pins & Bushings (Prior 2018).....                                | 10        |
| <b>3</b>  | <b>Lift Cylinders .....</b>                                      | <b>12</b> |
| 3.1       | Power Down Cylinder (After 2019) .....                           | 12        |
| 3.2       | Power Down Cylinder (Before 2019) .....                          | 12        |
| 3.3       | Gravity Down Cylinder .....                                      | 13        |
| 3.4       | Lift Cylinders – Gravity Down (Energy) – Discontinued 2011 ..... | 14        |
| 3.5       | Lift Cylinders – Power Down (MBB) – Discontinued 2011 .....      | 14        |
| <b>4</b>  | <b>Aluminum Platform .....</b>                                   | <b>16</b> |
| <b>5</b>  | <b>Steel/Aluminum Platform .....</b>                             | <b>18</b> |
| <b>6</b>  | <b>Cart Stops - Aluminum Platforms .....</b>                     | <b>20</b> |
| <b>7</b>  | <b>Bed Extension .....</b>                                       | <b>21</b> |
| <b>8</b>  | <b>Hydraulic Power Unit .....</b>                                | <b>22</b> |
| 8.1       | After January 2013 .....                                         | 22        |
| 8.2       | Discontinued January 2013 .....                                  | 23        |
| 8.3       | Discontinued January 2013 .....                                  | 24        |
| <b>9</b>  | <b>Hydraulic Hoses .....</b>                                     | <b>25</b> |
| 9.1       | Gravity Down .....                                               | 25        |
| 9.2       | Power Down (After 2019) .....                                    | 26        |
| 9.3       | Power Down (Prior 2019) .....                                    | 27        |
| <b>10</b> | <b>Dock Bumpers .....</b>                                        | <b>28</b> |
| <b>11</b> | <b>Dock Bumper – Bumper Pads .....</b>                           | <b>30</b> |
| <b>12</b> | <b>Dock Bumper - Light Kits .....</b>                            | <b>32</b> |
| <b>13</b> | <b>Dock Bumper – Steps .....</b>                                 | <b>34</b> |
| <b>14</b> | <b>Dock Bumpers - Walk Ramp Extensions .....</b>                 | <b>35</b> |
| <b>15</b> | <b>Walk Ramp .....</b>                                           | <b>36</b> |
| <b>16</b> | <b>Battery Box Kits .....</b>                                    | <b>38</b> |
| <b>17</b> | <b>Electrical .....</b>                                          | <b>40</b> |
| <b>18</b> | <b>Trailer/Truck Charge Kits .....</b>                           | <b>42</b> |
| <b>19</b> | <b>Controls.....</b>                                             | <b>44</b> |
| <b>20</b> | <b>Decals.....</b>                                               | <b>45</b> |

# 1 Frame

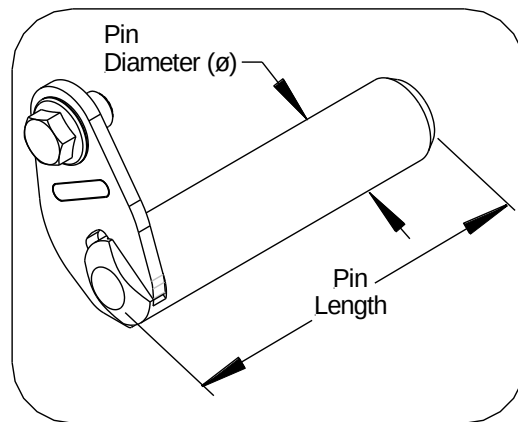
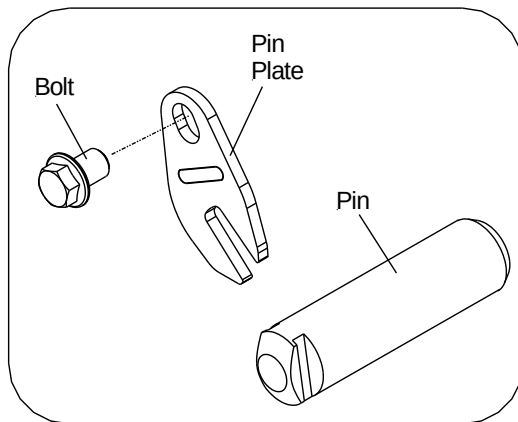
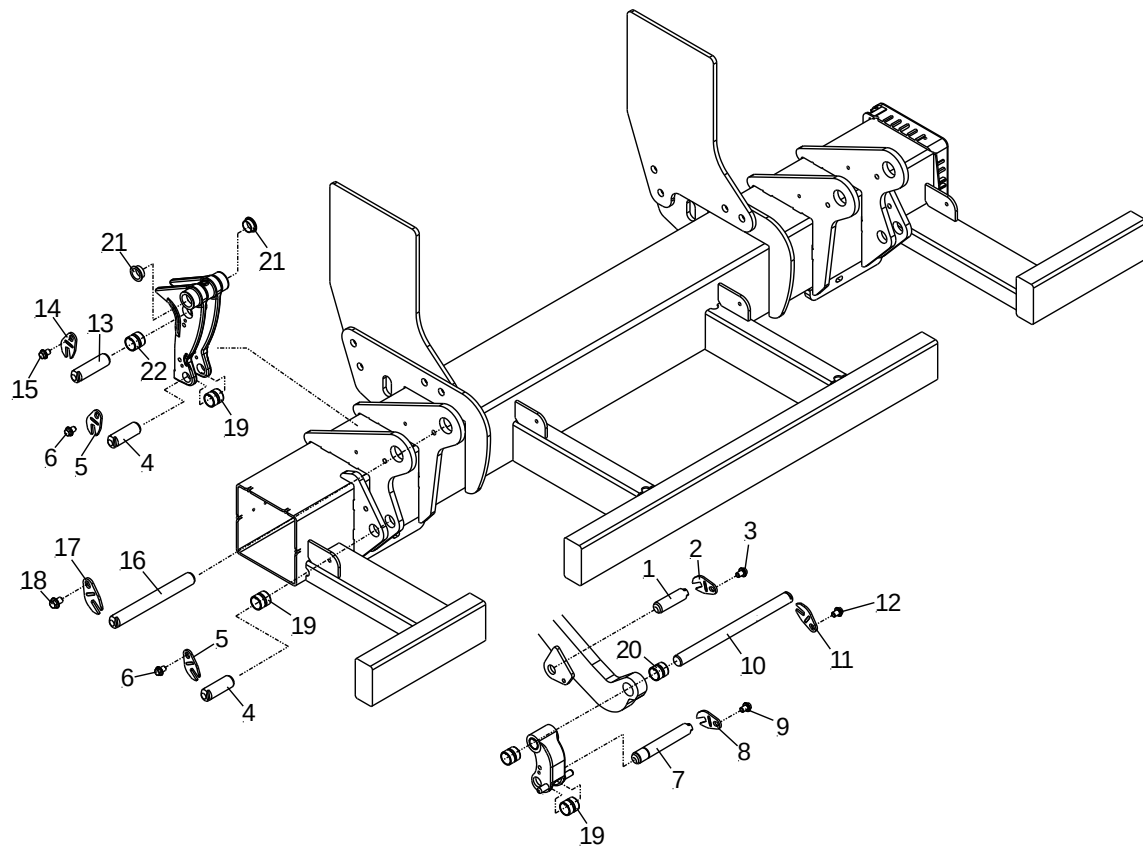
*Palfinger Liftgates use galvanized, galvanealed, power coat, paint, zinc, and other finishes on different liftgate models. It is important to specify what type of finish is required for the ordered replacement parts.*



| 1 - FRAME |                                                                    |                      |          |
|-----------|--------------------------------------------------------------------|----------------------|----------|
| No.       | Description                                                        | Part No.             | Qty.     |
| 1         | Frame, Black                                                       | ML01-1013-200+B      | 1        |
|           | Frame, Galvanized                                                  | 01-1013-200+G        | 1        |
| 2         | <b>Mount Plate Kit, Black</b>                                      | <b>06-1019-000+B</b> | <b>1</b> |
| 2.1       | Mount Plate, Weld-On                                               | 06-1019-001          | 2        |
| 2.2       | Decal, Torque Specification                                        | 85-1015-000          | 2        |
| 2.3       | Bolt Kit, Mount Plate                                              | 65-7518-100          | 1        |
| 2.4       | Mount Plate, (Discontinued Feb. 2019) Weld-On                      | 65-1015-000+B        | 2        |
| 3         | Bumper, Standard, Left Side (Street), Black                        | 01-1017-001          | 1        |
|           | Bumper, Standard, Left Side (Street), Galvanized                   | 01-1017-001+G        | 1        |
| 4         | Bumper, Standard, Center, Black                                    | 01-1017-002          | 1        |
| 5         | Bumper, Standard, Right Side (Curb)                                | 01-1017-003          | 1        |
|           | Bumper, Standard, Right Side (Curb), Galvanized                    | ML01-1017-003+G      | 1        |
| 6         | Bumper, DOT, Left Side (Street)                                    | 01-1017-004          | 1        |
| 7         | Bumper, DOT, Center                                                | 01-1017-005          | 1        |
| 8         | Bumper, DOT, Right Side (Curb)                                     | 01-1017-006          | 1        |
| 9         | <b>Lift Arm Assembly, 900mm X 1310mm, Black</b>                    | <b>10-1009-000</b>   | <b>1</b> |
|           | <b>Lift Arm Assembly, 900mm X 1310mm, Galvanized</b>               | <b>10-1009-000+G</b> | <b>1</b> |
| 9.1       | Cap, Red, Grease Zerk                                              | P-1191680            | 4        |
| 9.2       | Name Plate, Palfinger                                              | 85-0315-100          | 1        |
| 9.3       | Bushing, 28mm IDx32mm ODx36mm                                      | ELG1036              | 2        |
| 9.4       | Bushing, 36mm IDx40mm ODx36mm                                      | ELG1037              | 2        |
| 9.5       | Zerk Fitting, M10x1                                                | EA-005               | 4        |
| 10        | <b>Rubber Snubber, Adjustable</b>                                  | <b>P-1128624</b>     | <b>4</b> |
| 11        | <b>Parallel Arm Assembly, Casted, Bushings, Grease Zerk, 900mm</b> | <b>15-1014-002+B</b> | <b>1</b> |
|           | <b>Parallel Arm Assembly, Casted, Bushings, Grease Zerk, 900mm</b> | <b>15-1014-002+G</b> | <b>1</b> |
| 11.1      | Cap, Red, Grease Zerk                                              | P-1191680            | 2        |
| 11.2      | Bushing, 28mm ID X 32mm OD X 31mm Bronze                           | ELG1039              | 2        |
| 11.3      | Zerk Fitting, M10x1                                                | EA-005               | 2        |
| 11.4      | Grease Fitting, 90°, M10 x 1 mm                                    | EA-023               | 1        |
| 12        | <b>Shackle Assembly, Casted, 120mm</b>                             | <b>25-1014-003+G</b> | <b>1</b> |
| 12.1      | Cap, Red, Grease Zerk                                              | P-1191680            | 1        |
| 12.2      | Zerk Fitting, M10x1                                                | EA-005               | 1        |
| 12.3      | Bushing, 28mm ID X 32mm OD X 31mm, Bronze                          | ELG1039              | 2        |
| 14        | <b>Parting Wheel Kit, Black</b>                                    | <b>60-1009-000</b>   | <b>1</b> |
|           | <b>Parting Wheel Kit, Galvanized</b>                               | <b>60-1009-000+G</b> | <b>1</b> |
| 15        | <b>Swing Fixture Assembly, Galvanized</b>                          | <b>05-1013-100+G</b> | <b>2</b> |
| 15.1      | Cap, Red, Grease Zerk                                              | P-1191680            | 1        |
| 15.2      | Bushing, With Flange, 36mm                                         | P-1278682            | 4        |
| 15.3      | Zerk Fitting, M10x1                                                | EA-005               | 1        |
| 15.4      | Hex Head Cap Screw, 1/4-20x1.25", GR 5, Zinc                       | ES3643               | 2        |
| 15.5      | Washer, Flat, 1/4"                                                 | EK3218               | 2        |
| 15.6      | T-Nut, 1/4-20, with Prongs                                         | EM 770               | 2        |
| 16        | Rubber Cover, With Hinge For Control System                        | P-2029906            | 1        |
| 17        | Rubber Cover                                                       | P-68483018           | 1        |
| 18        | Cap, Standard Bumper, 2"X4"                                        | 60-1007-401          | 6        |
| 19        | Rubber Cover Clamp, 10"                                            | EZ7230               | 1        |
| 20        | Coil Spring, Left Side (Street)                                    | 20-1016-002          | 1        |
| 21        | Coil Spring, Right Side (Curb)                                     | 20-1016-001          | 1        |
| 22        | Delrin Insert, 40mm x 5mm x 192mm                                  | P-1228526            | 2        |
| 23        | Retainer Ring                                                      | P-66681947           | 2        |
| 24        | Washer, 28mm ID x 50mm OD x 4mm                                    | EK1090               | 4        |
| 25        | Sleeve, Steel                                                      | 21-1009-103          | 2        |
| 26        | Roller, Nylon                                                      | 25-1014-002          | 2        |

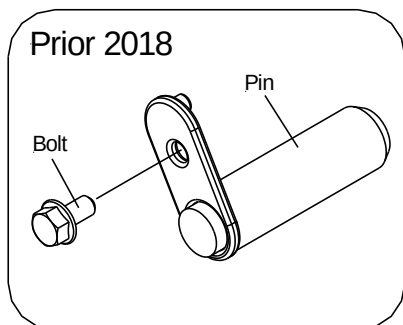
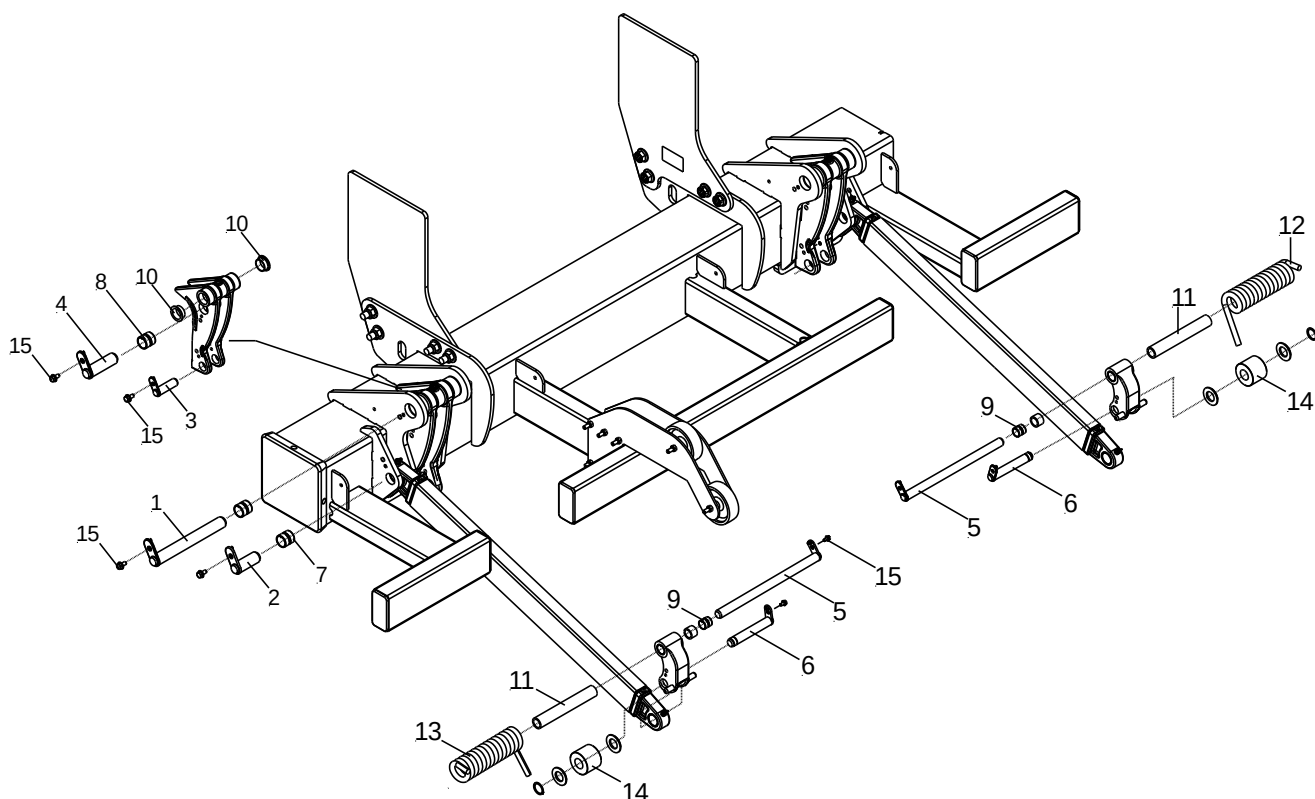
## 2 Pins & Bushings

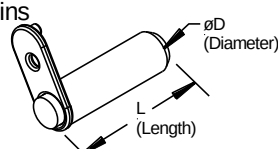
### 2.1 Pins & Bushings (After 2018)

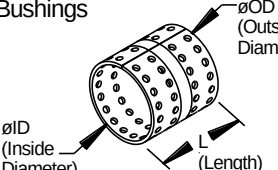


| <b>2.1 – PINS AND BUSHINGS (AFTER 2018)</b> |                                                           |                    |             |
|---------------------------------------------|-----------------------------------------------------------|--------------------|-------------|
| <b>No.</b>                                  | <b>Description</b>                                        | <b>Part No.</b>    | <b>Qty.</b> |
| 1                                           | Pin, ø28x70mm [ø1.1" x 2.7"], SS                          | ML2054047          | 2           |
| 2                                           | Pin Plate, Small                                          | 2028340            | 2           |
| 3                                           | Bolt, M12x16mm                                            | 2039050            | 2           |
| 4                                           | Pin, ø28x85mm [ø1.1" x 3.3"], SS                          | 2039536            | 4           |
| 5                                           | Pin Plate, Small                                          | 2028340            | 4           |
| 6                                           | Bolt, M12x16mm                                            | 2039050            | 4           |
| 7                                           | Pin, ø28x182mm [ø1.1" x 7.1"], SS                         | 2036460            | 2           |
| 8                                           | Pin Plate, Small                                          | 2028340            | 2           |
| 9                                           | Bolt, M12x16mm                                            | 2039050            | 2           |
| 10                                          | Pin, ø28x460mm [ø1.1" x 18.1"], SS                        | 2041593            | 2           |
| 11                                          | Pin Plate, Small                                          | 2028340            | 2           |
| 12                                          | Bolt, M12x16mm                                            | 2039050            | 2           |
| 13                                          | Pin, ø36x93mm [ø1.0" x 3.6"], SS                          | 2039099            | 2           |
| 14                                          | Pin Plate, Large                                          | 2027558            | 2           |
| 15                                          | Bolt, M12x16mm                                            | 2039050            | 2           |
| 16                                          | Pin, ø36x210mm [ø1.0" x 8.2"], SS                         | 2039105            | 2           |
| 17                                          | Pin Plate, Large                                          | 2027558            | 2           |
| 18                                          | Bolt, M12x16mm                                            | 2039050            | 2           |
| 19                                          | Bushing, 28mm ID X 32mm OD X 31mm (Shackle, Parallel Arm) | ELG1039            | 8           |
| 20                                          | Bushing, 28mm ID X 32mm OD X 36mm (Liftarm/Platform)      | ELG1036            | 2           |
| 21                                          | Bushing, 36mm Swing Fixture, w/Flange (Swing Arm)         | P-1278682          | 4           |
| 22                                          | Bushing, 36mm ID X 40mm OD X 36mm (Liftarm/Swing Arm)     | ELG1037            | 2           |
| <b>23</b>                                   | <b>Pin Kit, SS</b>                                        | <b>75-1018-100</b> | <b>1</b>    |
| <b>24</b>                                   | <b>Bushing Kit</b>                                        | <b>75-1018-200</b> | <b>1</b>    |

## 2.2 Pins & Bushings (Prior 2018)



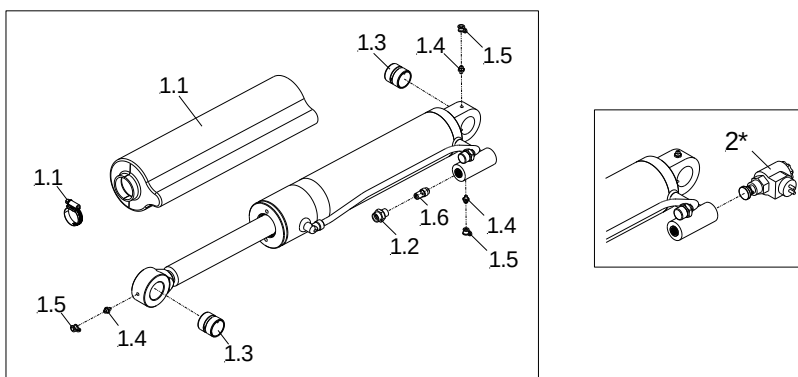
| Pins                                                                                 |                             |
|--------------------------------------------------------------------------------------|-----------------------------|
|  |                             |
| Part No.                                                                             | Dimensions (D X L)          |
| 2003651                                                                              | 28MMX74MM<br>1-1/8"X3-7/8"  |
| 1326307                                                                              | 28MMX99MM<br>1"X2-1/4"      |
| 1354169                                                                              | 28MMX180MM<br>1"X2-3/4"     |
| 1407655                                                                              | 28MMX453MM<br>1"X2-7/8"     |
| 1350394                                                                              | 36MMX91MM<br>1"X4-7/8"      |
| 1358176                                                                              | 36MMX206MM<br>1-1/8"X5-1/8" |

| Bushings                                                                              |                                        |
|---------------------------------------------------------------------------------------|----------------------------------------|
|  |                                        |
| Part No.                                                                              | Dimensions (ID/OD X L)                 |
| ELG1036                                                                               | 28MM/32MMX36MM<br>1-1/8"/1-1/4"X1-3/8" |
| ELG1037                                                                               | 36MM/40MMX36MM<br>1-3/8"/1-1/2"X1-3/8" |
| ELG1039                                                                               | 28MM/32MMX31MM<br>1-1/8"/1-1/4"X1-1/4" |

| <b>2 – PINS &amp; BUSHINGS (PRIOR 2018)</b> |                                                                |                 |             |
|---------------------------------------------|----------------------------------------------------------------|-----------------|-------------|
| <b>No.</b>                                  | <b>Description</b>                                             | <b>Part No.</b> | <b>Qty.</b> |
| 1                                           | Pin, 36mm x 208mm, Swinging Fixture, Tube                      | P-1358176       | 2           |
| 2                                           | Pin, 28mm x 74mm, Parallel Arm, Tube ; Lift Cylinder, Lift Arm | P-2003651       | 2           |
| 3                                           | Pin, 28mm x 99mm, Lift Cylinder, Swinging Fixture              | P-1326307       | 2           |
| 4                                           | Pin, 36mm x 78mm, Swinging Fixture, Lift Arm                   | P-1350394       | 2           |
| 5                                           | Pin, 28mm x 453mm, Platform, Shackle, Lift Arm                 | P-1353966       | 2           |
| 6                                           | Pin Incl. Roller Kit                                           | P-1405023       | 1           |
| 7                                           | Bushing, 28mm ID x 32mm OD x 31mm, Shackle, Parallel Arm       | ELG1039         | 2           |
| 8                                           | Bushing, 36mm ID x 40mm OD x 36mm, Lift Arm, Tube              | ELG1037         | 2           |
| 9                                           | Bushing, 28mm ID x 32mm OD x 36mm, Lift Arm                    | ELG1036         | 2           |
| 10                                          | Bushing w/Flange 36mm, Swinging Fixture                        | P-1278682       | 2           |
| 11                                          | Torsion Spring Delrin Insert, (Spring) 40mmx5mmx192mm          | P-1228526       | 2           |
| 12                                          | Coil Spring, Right Side, (Curb)                                | 20-1016-001     | 1           |
|                                             | Coil Spring, Right Side, (Curb), Prior 2016                    | P-2014616       | 1           |
| 13                                          | Coil Spring – Left Side, (Driver)                              | 20-1016-002     | 1           |
|                                             | Coil Spring – Left Side, (Driver), Prior 2016                  | P-2014617       | 1           |
| 14                                          | Roller, Nylon, Steel                                           | 25-1014-002     | 2           |
| 15                                          | Bolt, Pin Lock, M8x1.25x16mm                                   | ES1451          | 12          |
| 16                                          | Pin Kit                                                        | P-2035571       | 1           |
| 17                                          | Bushing Kit                                                    | P-2035663       | 1           |

### 3 Lift Cylinders

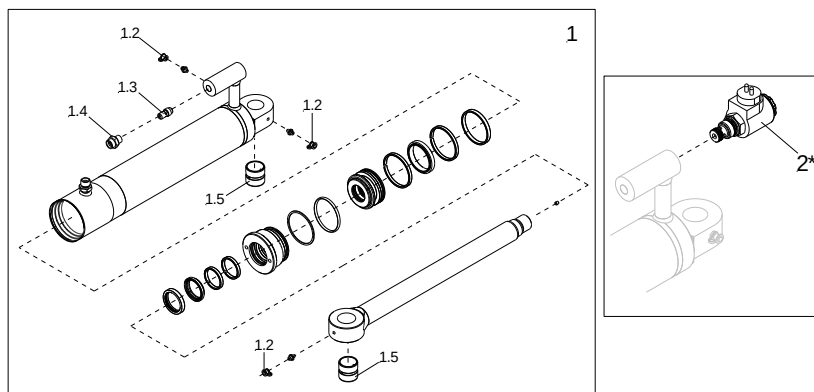
#### 3.1 Power Down Cylinder (After 2019)



| 3.1 – POWER DOWN CYLINDER (AFTER 2019) |                                                |                      |          |
|----------------------------------------|------------------------------------------------|----------------------|----------|
| No.                                    | Description                                    | Part No.             | Qty.     |
| <b>1</b>                               | <b>Cylinder, Power Down, 63mm (After 2019)</b> | 40-1015-200          | <b>1</b> |
| <b>1.1</b>                             | <b>Cylinder Rubber Boot Kit</b>                | <b>ML40-0320-010</b> | <b>1</b> |
| 1.2                                    | Adapter, 1/4" BSP X 10L                        | EA6236               | 1        |
| 1.3                                    | Bushing, 28mm ID x 32mm OD x 31mm, Bronze      | ELG1039              | 2        |
| 1.4                                    | Grease Zerk Fitting, M10X1X15.3mm              | EA-005               | 2        |
| 1.5                                    | Cap, Zerk Fitting                              | P-1191680            | 2        |
| 1.6                                    | Restrictor, 4 L/min (No. 4)                    | P-1363828            | 1        |
| 2*                                     | Release Valve, 12V, Single Lock                | P-67282345           | 1        |

\* Release Valve is sold separately.

#### 3.2 Power Down Cylinder (Before 2019)



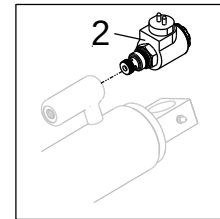
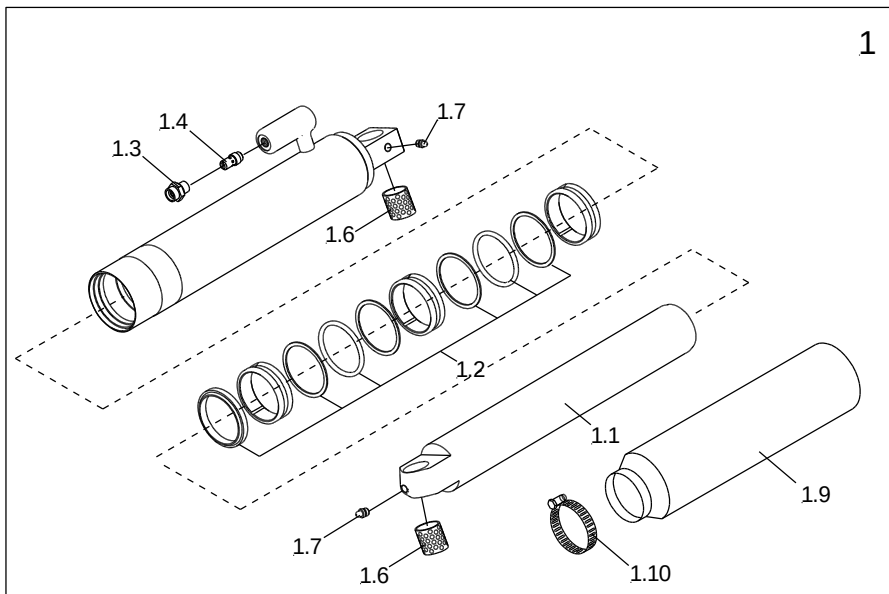
| 3.2 – POWER DOWN CYLINDER |                                                              |                    |          |
|---------------------------|--------------------------------------------------------------|--------------------|----------|
| No.                       | Description                                                  | Part No.           | Qty.     |
| <b>1</b>                  | <b>Lift Cylinder Assembly, Power Down, 63mm (Prior 2019)</b> | <b>40-1015-200</b> | <b>1</b> |
| 1.1                       | Cylinder; 63mm Double Acting                                 | 40-1015-100        | 1        |
| 1.2                       | Cap, Zerk Fitting                                            | P-1191680          | 1        |
| 1.3                       | Restrictor, 4L/Min                                           | P-1363828          | 1        |
| 1.4                       | Adapter, 1/4 " BSP X 10L – 4L/Min                            | EA6236             | 1        |
| 1.5                       | Bushing, 28mm ID X 32mm OD, 31mm L                           | ELG1039            | 1        |
| 2                         | Release Valve, 12V, Single Lock                              | P-67282345         | 1        |

\* Release Valve is sold separately.

Palfinger Liftgates, LLC.  
15939 Piuma Ave, Cerritos, CA 90703  
Tel: (888) 774-5844, Fax: (562) 924-8318

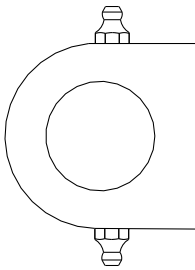
Palfinger Liftgates, LLC.  
572 Whitehead Road, Trenton, NJ 08619  
Tel: (609) 587-4200, Fax: (609) 587-4201



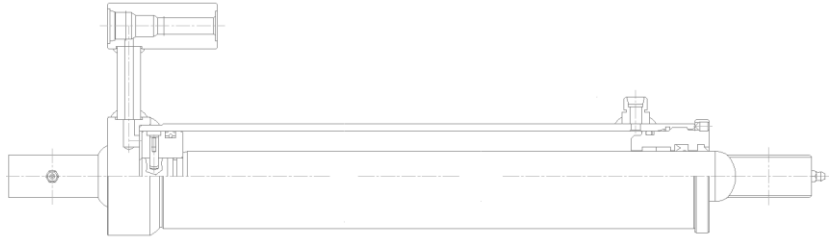
**3.3 Gravity Down Cylinder**

| 3.2 – GRAVITY DOWN LIFT CYLINDER |                                                   |                  |          |
|----------------------------------|---------------------------------------------------|------------------|----------|
| No.                              | Description                                       | Part No.         | Qty.     |
| <b>1</b>                         | <b>Lift Cylinder Assembly, Gravity Down, 63mm</b> | <b>P-2016765</b> | <b>1</b> |
| 1.1                              | Piston Rod                                        | P-2034342        | 1        |
| 1.2                              | Rebuild Kit                                       | P-1407784        | 1        |
| 1.3                              | Adaptor / Hose Fitting, 10L-M To No. 4            | EA6236           | 1        |
| 1.4                              | Restrictor No. 4                                  | P-1363828        | 1        |
| 1.6                              | Bushing, 28mm ID X 32mm OD, 31mm L                | ELG1039          | 1        |
| 1.7                              | Grease Zerk, M10x1                                | P-2019653        | 1        |
| 1.8                              | Red Cap                                           | P-1191680        | 1        |
| 1.9                              | Sleeve                                            | P-2026078        | 1        |
| 1.10                             | Clamp 50 - 70 / 9 (In Mm)                         | P-68430828       | 1        |
| 2*                               | Release Valve, 12V, Single Lock                   | P-67282345       | 1        |

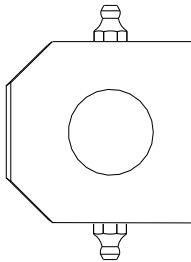
**\* Release Valve is sold separately.**

**3.4 Lift Cylinders – Gravity Down (Energy) – Discontinued 2011**

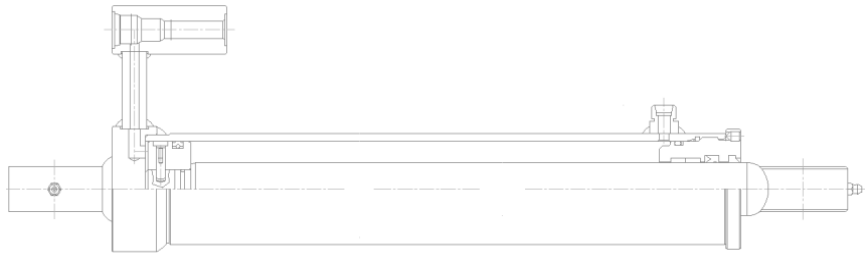
Cylinder Clevis



| 3.3 – LIFT CYLINDER - Energy |                                      |             |      |
|------------------------------|--------------------------------------|-------------|------|
| No.                          | Description                          | Part No.    | Qty. |
| 1                            | Lift Cylinder Assembly, Gravity Down | 40-1411-100 | 1    |

**3.5 Lift Cylinders – Power Down (MBB) – Discontinued 2011**

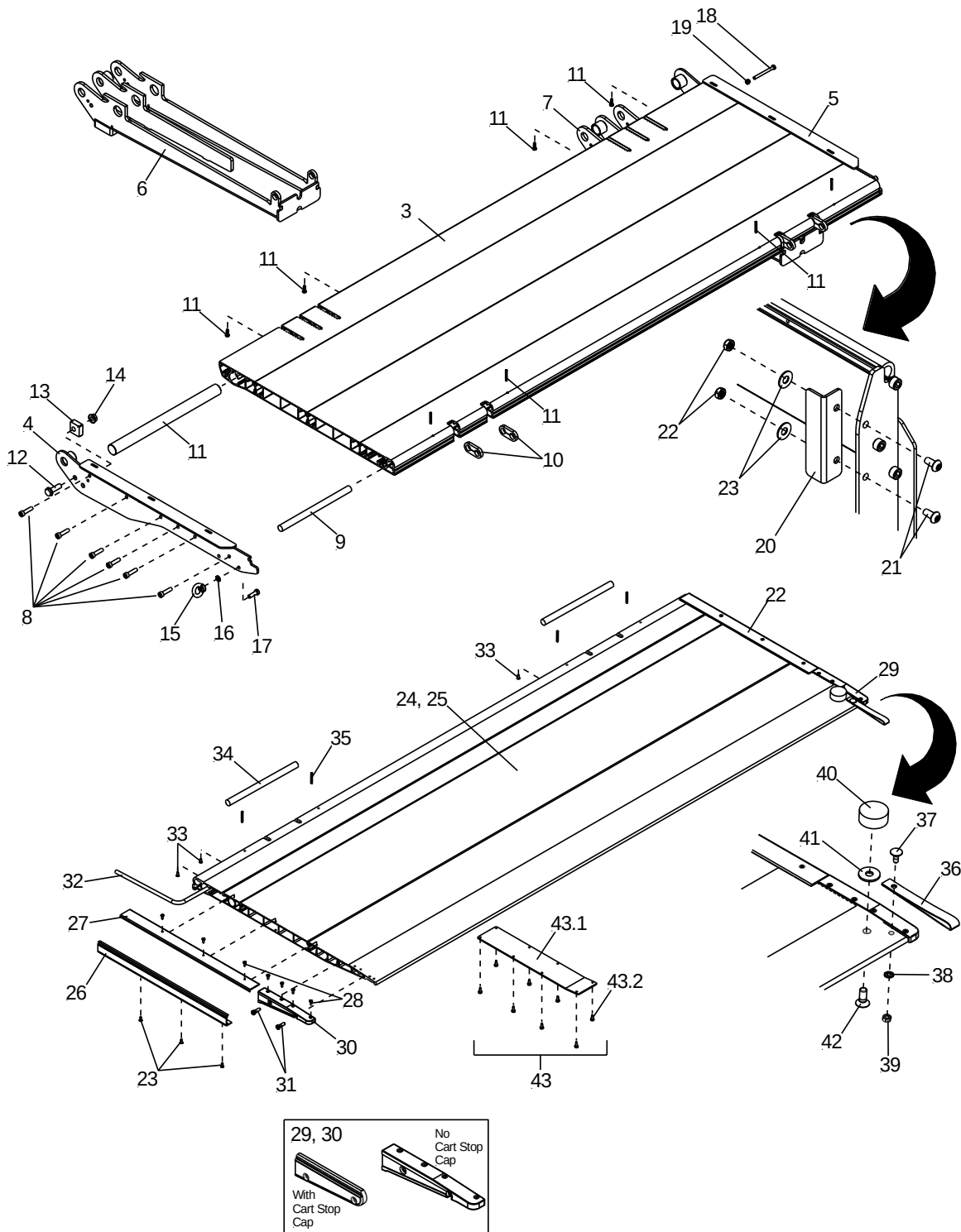
Cylinder Clevis



| 3.4 – LIFT CYLINDER - MBB |                                      |           |      |
|---------------------------|--------------------------------------|-----------|------|
| No.                       | Description                          | Part No.  | Qty. |
| 1                         | Lift Cylinder Assembly, Gravity Down | P-2022849 | 1    |

**NOTES**

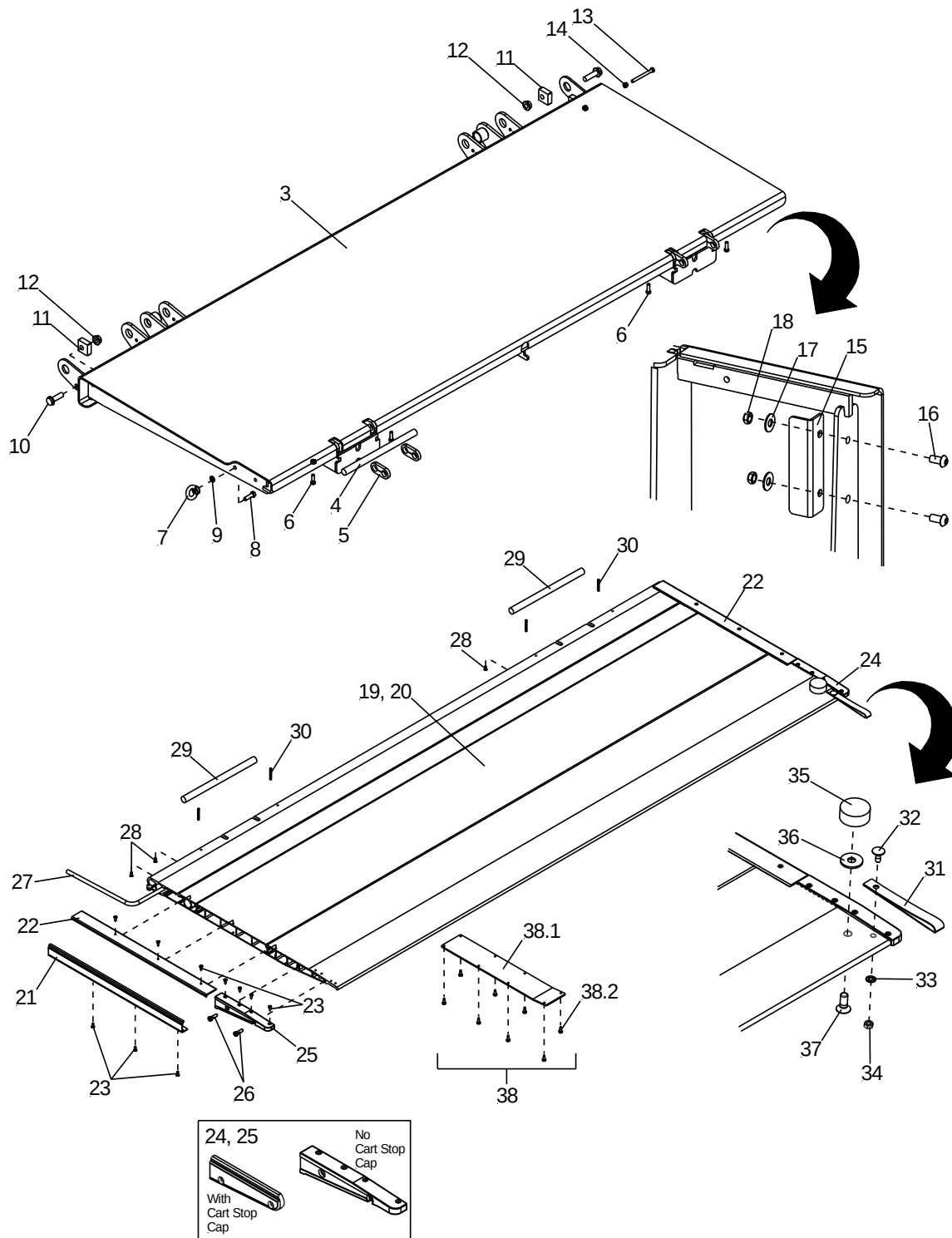
# **4     Aluminum Platform**



| <b>4 – ALUMINUM PLATFORM</b> |                                                                          |                    |             |
|------------------------------|--------------------------------------------------------------------------|--------------------|-------------|
| <b>No.</b>                   | <b>Description</b>                                                       | <b>Part No.</b>    | <b>Qty.</b> |
| <b>1</b>                     | <b>Platform Assembly , Aluminum Main &amp; Tip, No Cart Stops</b>        | <b>20-1009-000</b> | <b>1</b>    |
| <b>2</b>                     | <b>Platform Assembly , Aluminum Main &amp; Tip, With Cart Stops</b>      | <b>20-1009-010</b> | <b>1</b>    |
| <b>3</b>                     | <b>Main Assembly, Aluminum</b>                                           | <b>21-1009-000</b> | <b>1</b>    |
| 4                            | Side Cover, Steel, Drivers Side                                          | 21-1009-400        | 1           |
| 5                            | Side Cover, Steel, Curb Side                                             | 21-1009-300        | 1           |
| 6                            | Tunnel, Driver Side                                                      | 21-1009-110        | 1           |
| 7                            | Tunnel, Curb Side                                                        | 21-1009-120        | 1           |
| 8                            | Socket Head Cap Screw, M10 - 1.5 X 40 mm                                 | ES3463             | 1           |
| 9                            | Pin, Platform Hinge                                                      | P-67264894         | 1           |
| 10                           | Plate, Platform Hinge                                                    | 20-1007-101        | 1           |
| 11                           | Split Pin, Platform Hinge                                                | 1421757            | 1           |
| 12                           | Hex Head Cap Screw, M14 - 1.5 X 45 mm                                    | ES1588             | 1           |
| 13                           | Plate, Adjustment For Torsion Spring                                     | 60-1007-301        | 1           |
| 14                           | Nut, Flange, M14 - 1.5                                                   | EM 711             | 1           |
| 15                           | Ring Nut, M10 - 1.5                                                      | 4000297            | 1           |
| 16                           | Washer, Split Lock, M10                                                  | 1072121            | 1           |
| 17                           | Hex Head Cap Screw, M10 - 1.5 X 25 mm                                    | 4000299            | 1           |
| 18                           | Hex Head Cap Screw, 5/16 - 18 X 3.25"                                    | 1030122            | 1           |
| 19                           | Nut, Nylock, 5/16 - 18                                                   | EM 710             | 1           |
| 20                           | Plate, Platform Handle                                                   | 20-1012-001        | 1           |
| 21                           | Button Head Cap Screw, 3/8 - 16 X 0.75"                                  | ES3460             | 1           |
| 22                           | Nut, Thin, Nylock, 3/8 - 16                                              | EM709              | 1           |
| 23                           | Washer, Flat, 3/8                                                        | EK3216             | 1           |
| <b>24</b>                    | <b>Tip Assembly, Aluminum, With Cart stops</b>                           | <b>P-2034858</b>   | <b>1</b>    |
| <b>25</b>                    | <b>Tip Assembly, Aluminum, No Cart stops</b>                             | <b>P-2033962</b>   | <b>1</b>    |
| 26                           | Side Cap Profile                                                         | P-9832521700       | 1           |
| 27                           | Top Profile                                                              | P-1244631          | 2           |
| 28                           | Screw, M5x12                                                             | P-2004486          | 20          |
| 29                           | Cap, Tip, Plastic, Right Side (Curb), Gray, Platform With No Cart Stops  | P-9081336000       | 1           |
|                              | Cap, Tip, Plastic, Right Side (Curb), Black, Platform With Cart Stops    | P-9083239000       | 1           |
| 30                           | Cap, Tip, Plastic, Left Side (Driver), Gray, Platform With No Cart Stops | P-9081336010       | 1           |
|                              | Cap, Tip, Plastic, Left Side (Driver), Black, Platform With Cart Stops   | P-9083238000       | 1           |
| 31                           | Socket Head Cap Screw, M8x25                                             | P-66310809         | 4           |
| 32                           | Torsion Bar Kit, L-11mm                                                  | P-2006410          | 1           |
| 33                           | Rivet, Blind, 4,8x11                                                     | ML1019254          | 3           |
| 34                           | Platform Pin                                                             | P-67264894         | 2           |
| 35                           | Split Pin, 5mm X40mm                                                     | 1421757            | 4           |
| 36                           | Handle Strap Kit                                                         | 1201681            | 1           |
| 37                           | Carriage Bolt, M8x20mm                                                   | ML2023828          | 1           |
| 38                           | Washer, M8                                                               | EK2929             | 1           |
| 39                           | Nut, M8                                                                  | EM 003             | 1           |
| 40                           | Rubber Snubber Pad                                                       | 60-7514-002        | 1           |
| 41                           | Washer, M12                                                              | ML67245237         | 1           |
| 42                           | Flat Head Cap Screw, M12x30mm                                            | 2018782            | 1           |
| <b>43</b>                    | <b>Reinforcement Plate Kit, 54"-60" Platforms</b>                        | <b>22-7517-005</b> | <b>1</b>    |
| 43.1                         | Plate, Formed, Reinforcement                                             | 22-7517-003        | 1           |
| 43.2                         | Rounded Head Self Tapping Screw, #10-16x 5/8", Zinc                      | ES3971             | 8           |

**Note: Shackles, pins, and springs must be added when buying a new platform.**

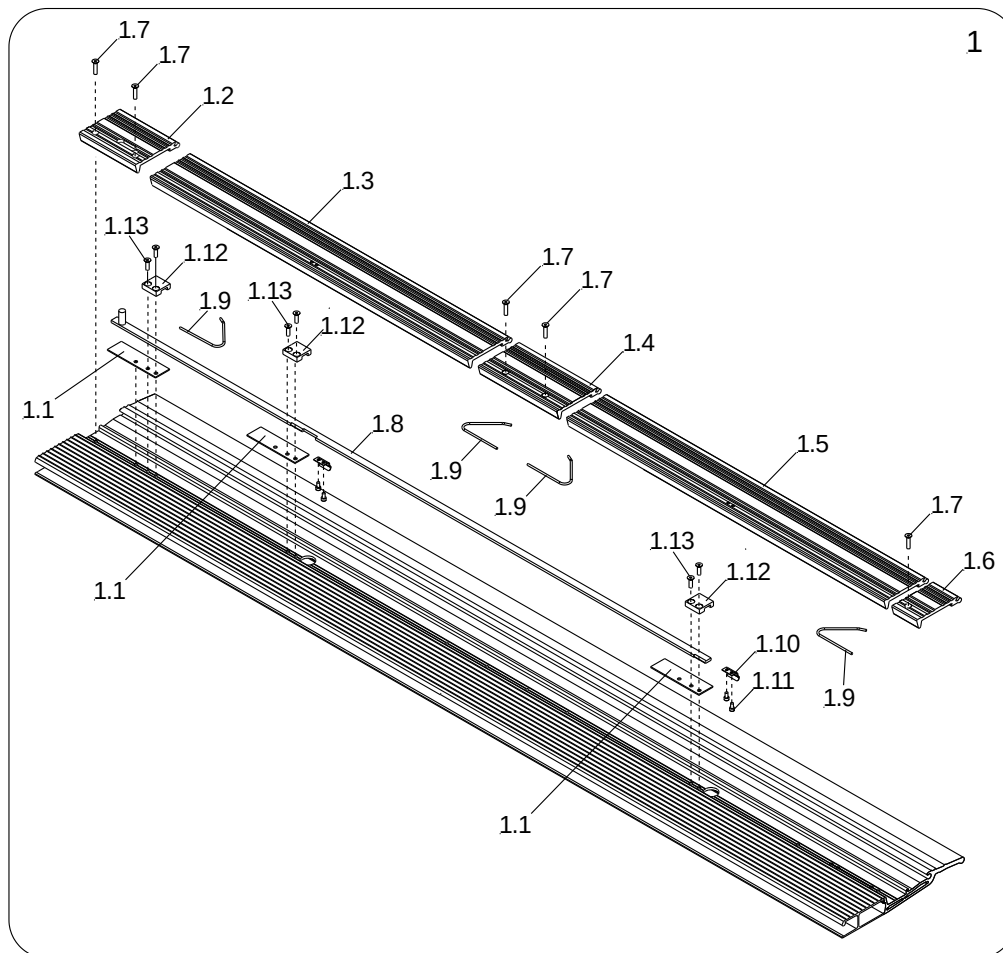
# **5 Steel/Aluminum Platform**



| <b>5 – STEEL ALUMINUM PLATFORM</b> |                                                                                   |                    |             |
|------------------------------------|-----------------------------------------------------------------------------------|--------------------|-------------|
| <b>No.</b>                         | <b>Description</b>                                                                | <b>Part No.</b>    | <b>Qty.</b> |
| <b>1</b>                           | <b>Platform Assembly, Steel Main/Aluminum Tip, No Cart Stops</b>                  | <b>20-1013-200</b> | <b>1</b>    |
| <b>2</b>                           | <b>Platform Assembly, Steel Main/Aluminum Tip, With Cart Stops</b>                | <b>20-1013-210</b> | <b>1</b>    |
| <b>3</b>                           | <b>Main Assembly, Steel</b>                                                       | <b>21-1009-200</b> | <b>1</b>    |
| 4                                  | Pin, Platform Hinge                                                               | P-67264894         | 2           |
| 5                                  | Plate, Platform Hinge                                                             | 20-1007-101        | 4           |
| 6                                  | Hex Head Cap Screw, 5/16 - 18 X 1.0"                                              | 1030065            | 4           |
| 7                                  | Ring Nut, M10 - 1.5                                                               | 4000297            | 1           |
| 8                                  | Hex Head Cap Screw, M10 - 1.5 X 25mm                                              | 4000299            | 1           |
| 9                                  | Washer, Split Lock, M10                                                           | EK2740             | 1           |
| 10                                 | Hex Head Cap Screw, M14 - 1.5 X 45mm                                              | ES1588             | 2           |
| 11                                 | Plate, Adjustment For Torsion Spring                                              | 60-1007-301        | 2           |
| 12                                 | Nut, Flange, M14 - 1.5                                                            | EM 711             | 2           |
| 13                                 | Hex Head Cap Screw, 5/16 - 18 X 3.25"                                             | 1030122            | 1           |
| 14                                 | Nut, Nylock, 5/16 - 18                                                            | EM 710             | 1           |
| 15                                 | Plate, Platform Handle                                                            | 20-1012-001        | 1           |
| 16                                 | Button Head Cap Screw, 3/8 - 16 X 0.75"                                           | ES3460             | 2           |
| 17                                 | Nut, Thin, Nylock, 3/8 - 16                                                       | EM709              | 2           |
| 18                                 | Washer, Flat, 3/8                                                                 | EK3216             | 2           |
| <b>19</b>                          | <b>Tip Assembly, Aluminum, With Cart stops</b>                                    | <b>P-2034858</b>   | <b>1</b>    |
| <b>20</b>                          | <b>Tip Assembly, Aluminum, No Cart stops</b>                                      | <b>P-2033962</b>   | <b>1</b>    |
| 21                                 | Side Cap Profile                                                                  | P-9832521700       | 1           |
| 22                                 | Top Profile                                                                       | P-1244631          | 2           |
| 23                                 | Screw, M5 x 12                                                                    | P-2004486          | 20          |
| 24                                 | Cap, Tip, Plastic, Right Side ( <i>Curb</i> ), Gray, Platform with No Cart Stops  | P-9081336000       | 1           |
|                                    | Cap, Tip, Plastic, Right Side ( <i>Curb</i> ), Black, Platform with Cart Stops    | P-9083239000       | 1           |
| 25                                 | Cap, Tip, Plastic, Left Side ( <i>Driver</i> ), Gray, Platform with No Cart Stops | P-9081336010       | 1           |
|                                    | Cap, Tip, Plastic, Left Side ( <i>Driver</i> ), Black, Platform with Cart Stops   | P-9083238000       | 1           |
| 26                                 | Socket Head Cap Screw, M8x25                                                      | P-66310809         | 4           |
| 27                                 | Torsion Bar Kit, L-11mm                                                           | P-2006410          | 1           |
| 28                                 | Rivet, Blind, 4,8x11                                                              | ML1019254          | 3           |
| 29                                 | Platform Pin                                                                      | P-67264894         | 2           |
| 30                                 | Split Pin, 5mm x 40mm                                                             | 1421757            | 4           |
| 31                                 | Handle Strap Kit                                                                  | 1201681            | 1           |
| 32                                 | Carriage Bolt, M8 x 20mm                                                          | ML2023828          | 1           |
| 33                                 | Washer, M8                                                                        | P-68451396         | 1           |
| 34                                 | Nut, M8                                                                           | EM 003             | 1           |
| 35                                 | Rubber Snubber Pad                                                                | 60-7514-002        | 1           |
| 36                                 | Washer, M12                                                                       | ML67245237         | 1           |
| 37                                 | Flat Head Cap Screw, M12x30mm                                                     | 2018782            | 1           |
| <b>38</b>                          | <b>Reinforcement Plate Kit, 54"-60" Platforms</b>                                 | <b>22-7517-005</b> | <b>1</b>    |
| 38.1                               | Plate, Formed, Reinforcement                                                      | 22-7517-003        | 1           |
| 38.2                               | Rounded Head Self Tapping Screw, #10-16 x 5/8", Zinc                              | ES3971             | 8           |

**Note: Shackles, pins, and springs must be added when buying a new platform.**

## 6 Cart Stops - Aluminum Platforms

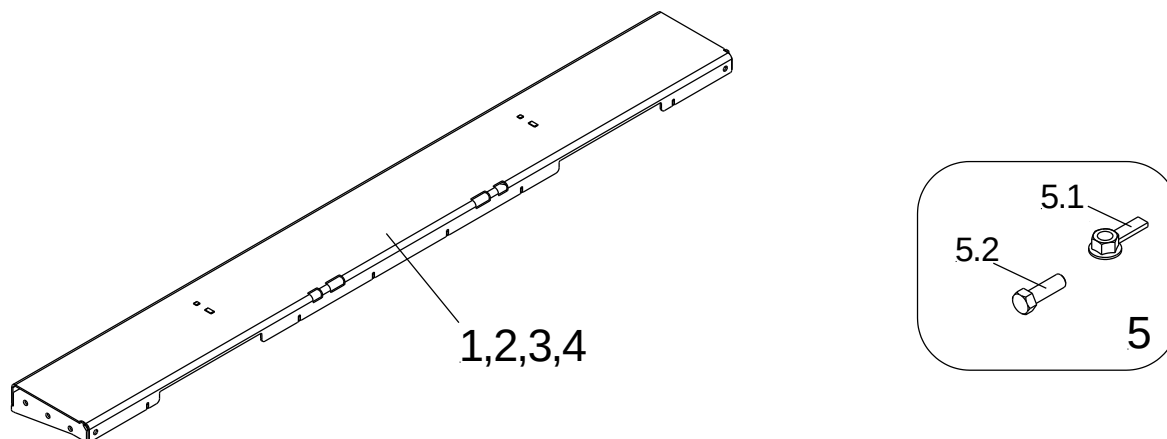


| 6 – CART STOPS – ALUMINUM PLATFORMS |                                                              |                    |          |
|-------------------------------------|--------------------------------------------------------------|--------------------|----------|
| No.                                 | Description                                                  | Part No.           | Qty.     |
| <b>1</b>                            | <b>Section Tip w Cart Stop Assembly, 2x 800mm, 12" X 79"</b> | <b>22-0314-018</b> | <b>1</b> |
| 1.1                                 | Pad, Delrin, 35mm X 120mm X 2mm                              | P-1406245          | 3        |
| 1.2                                 | Plate Cover, Curb Side                                       | P-2003301          | 1        |
| 1.3                                 | Cart Stop, 800mm, Curb Side                                  | P-2006698          | 1        |
| 1.4                                 | Plate Cover, Center                                          | P-2003302          | 1        |
| 1.5                                 | Cart Stop, 800mm, Street Side                                | P-2006697          | 1        |
| 1.6                                 | Plate Cover, Street Side                                     | P-2003303          | 1        |
| 1.7                                 | Socket Head Cap Screw, M6-1.0 X 30mm                         | P-1057441          | 5        |
| 1.8                                 | Sliding Rail                                                 | P-1406248          | 1        |
| 1.9                                 | Spring Rod                                                   | P-1408661          | 4        |
| 1.10                                | Clip                                                         | P-1406249          | 2        |
| 1.11                                | Socket Head Cap Screw, M5-0.80 X 8mm                         | P-1119357          | 4        |
| 1.12                                | C-Clip, Plastic                                              | P-2004637          | 1        |
| 1.13                                | Socket Head Cap Screw, M6-1.0 X 20mm                         | P-1004726          | 6        |



## 7 Bed Extension

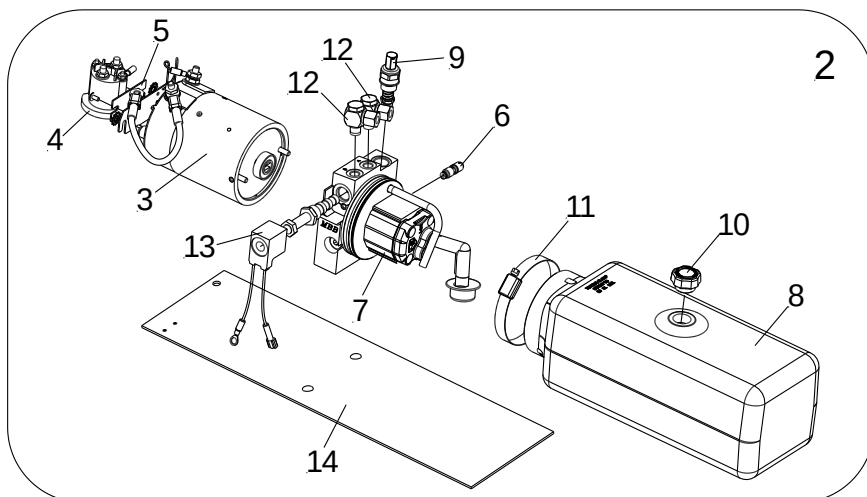
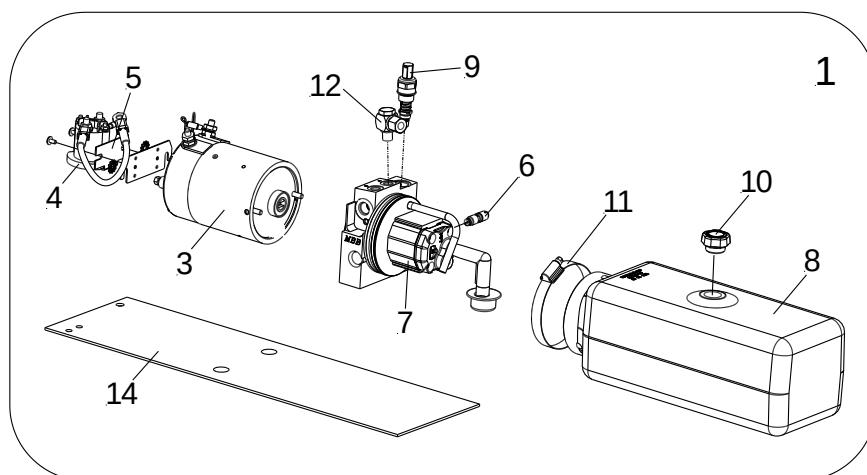
*Palfinger Liftgates use galvanized, galvanealed, power coat, paint, zinc, and other finishes on different liftgate models. It is important to specify what type of finish is required for the ordered replacement parts.*



| 7 – BED EXTENSION |                                                           |                    |          |
|-------------------|-----------------------------------------------------------|--------------------|----------|
| No.               | Description                                               | Part No.           | Qty.     |
| 1                 | Bed Extension, 1/4", Bolt-On, Weld-On, 102" W, Black      | 60-1011-500        | 1        |
|                   | Bed Extension, 1/4", Bolt-On, Weld-On, 102" W, Galvanized | 60-1011-500+G      | 1        |
| 2                 | Bed Extension, 1/4", Bolt-On, Weld-On, 96" W, Black       | 60-1011-560        | 1        |
|                   | Bed Extension, 1/4", Bolt-On, Weld-On, 96" W, Galvanized  | 60-1011-560+G      | 1        |
| 3                 | Bed Extension, 3/8", Bolt-On, Weld On, 102" W, Black      | 60-1017-000+B      | 1        |
|                   | Bed Extension, 3/8", Bolt-On, Weld On, 102" W, Galvanized | 60-1017-000+G      | 1        |
| 4                 | Bed Extension, 3/8", Bolt-On, Weld On, 96" W, Black       | 60-1017-010+B      | 1        |
|                   | Bed Extension, 3/8", Bolt-On, Weld On, 96" W, Galvanized  | 60-1017-010+G      | 1        |
| 5                 | <b>Hardware Kit, Bed Extension, Bolt-On</b>               | <b>65-1012-220</b> | <b>1</b> |
| 5.1               | Nut, w/Stop Arm, 9/16"-18, Zinc                           | 65-1012-012        | 19       |
| 5.2               | Hex Head Cap Screw, 9/16"-18 X 1.75", Gr.8, Zinc          | ES3444             | 19       |

## 8 Hydraulic Power Unit

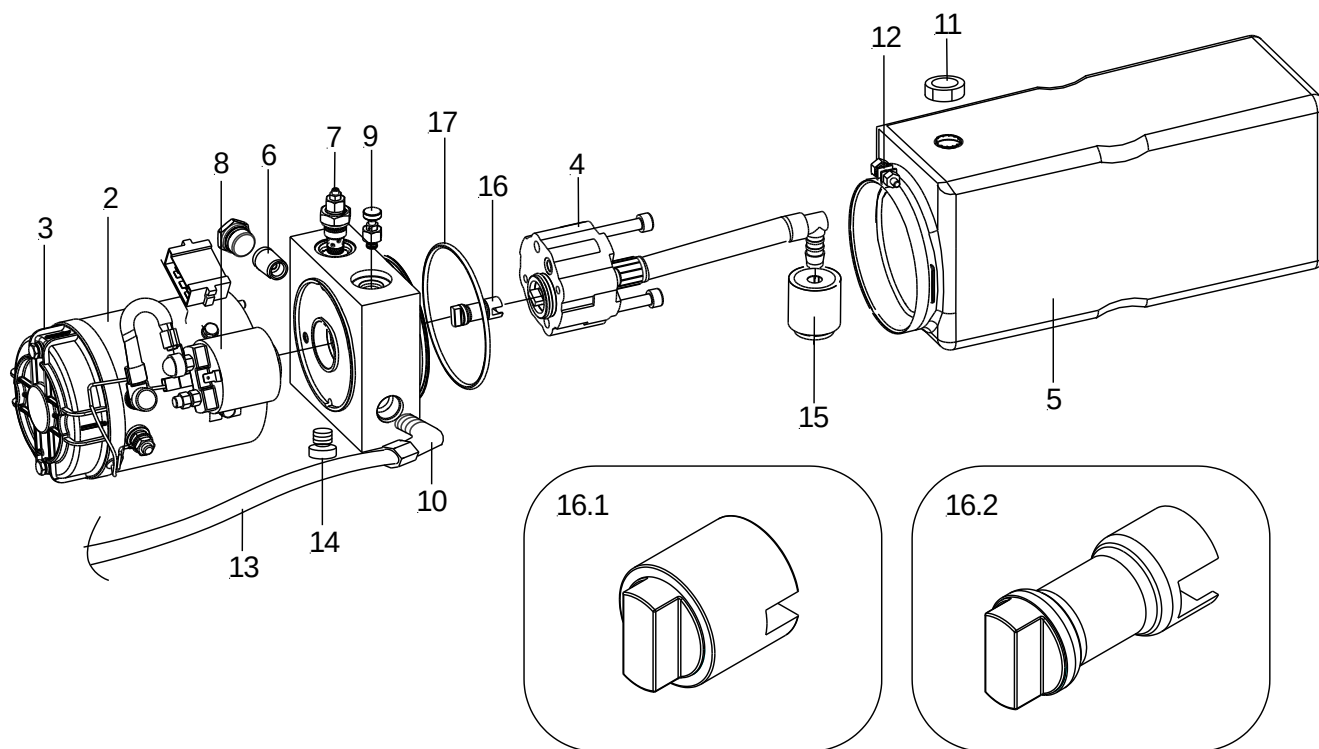
### 8.1 After January 2013



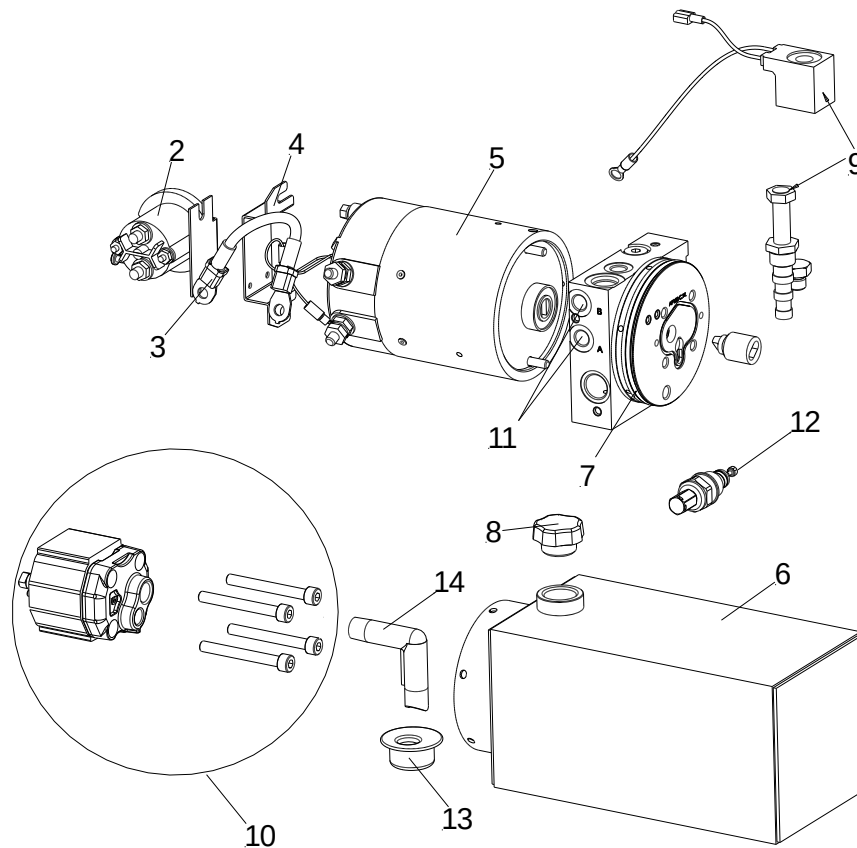
| 8.1- HYDRAULIC POWER UNIT |                                    |               |      |
|---------------------------|------------------------------------|---------------|------|
| No.                       | Description                        | Part No.      | Qty. |
| 1                         | Hydraulic Power Unit, Gravity Down | 50-1012-950   | 1    |
| 2                         | Hydraulic Power Unit, Power Down   | 50-1412-950   | 1    |
| 3                         | Motor 12 Volt                      | 80-1411-101   | 1    |
| 4                         | Motor Solenoid                     | 80-1411-102   | 1    |
| 5                         | Brackets For Solenoid              | 50-0313-956   | 1    |
| 6                         | Check Valve Pilot                  | 50-0313-952   | 1    |
| 7                         | Pump                               | 80-1411-917   | 1    |
| 8                         | Oil Reservoir (Plastic)            | 50-0313-958   | 1    |
| 9                         | Relief Valve                       | 50-0313-953   | 1    |
| 10                        | Breather Cap                       | 50-0709-914   | 1    |
| 11                        | Clamp For Oil Reservoir            | 50-0313-954   | 1    |
| 12                        | Fitting, 90° Elbow, Gravity Down   | 50-0313-955   | 1    |
|                           | Fitting, 90° Elbow, Power Down     | 50-0313-955   | 2    |
| 13                        | Valve Cartridge (Power Down Only)  | 50-0313-957   | 1    |
| 14                        | Tray, Power Pack                   | ML50-7521-004 | 1    |

Palfinger Liftgates, LLC.  
 15939 Piuma Ave, Cerritos, CA 90703  
 Tel: (888) 774-5844, Fax: (562) 924-8318

Palfinger Liftgates, LLC.  
 572 Whitehead Road, Trenton, NJ 08619  
 Tel: (609) 587-4200, Fax: (609) 587-4201

**8.2 Discontinued January 2013**

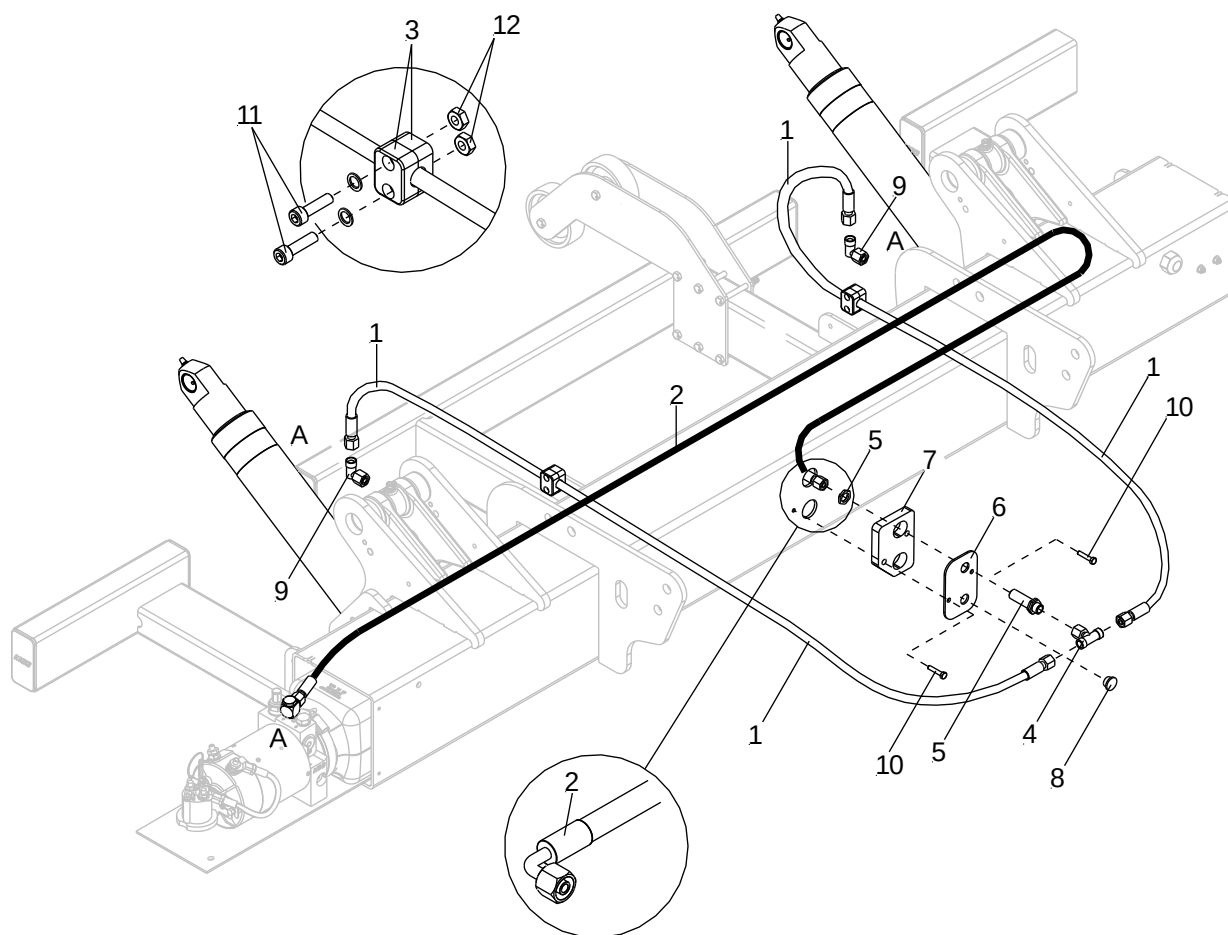
| 8.2- HYDRAULIC POWER PACK – GRAVITY DOWN |                                             |            |      |
|------------------------------------------|---------------------------------------------|------------|------|
| No.                                      | Description                                 | Part No.   | Qty. |
| 1                                        | Power Pack                                  | P-2020859  | 1    |
| 2                                        | Motor 12 Volt                               | P-2020866  | 1    |
| 3.1                                      | Carbon Brushes Kit (4 Pieces) - After 2001  | P-1410330  | 1    |
| 3.2                                      | Carbon Brushes Kit (4 Pieces) - Prior 2001  | P-1407399  | 1    |
| 4                                        | Pump Including Coupler, Pipe, Filter        | P-2020618  | 1    |
| 5                                        | Oil Reservoir                               | P-1404306  | 1    |
| 6                                        | Shuttle Valve                               | P-2005141  | 1    |
| 7                                        | Pressure Control Valve                      | P-1404297  | 1    |
| 8                                        | Motor Solenoid                              | P-1404303  | 1    |
| 9                                        | Pressure Gauge                              | P-1405397  | 1    |
| 10                                       | Fitting - 90° Elbow                         | P-1000180  | 1    |
| 11                                       | Breather Cap                                | P-1404487  | 1    |
| 12                                       | Clamp Kit For Oil Reservoir                 | P-1404308  | 1    |
| 13                                       | Hydraulic Hose                              | P-2004473  | 1    |
| 14                                       | Drain Plug                                  | P-66373088 | 1    |
| 15                                       | Pump Filter                                 | P-2018681  | 1    |
| 16.1                                     | Coupler ¾" X 7/8" (18mmx23mm) - Early Style | P-1406291  | 1    |
| 16.2                                     | Coupler ¾" X 1-3/8" (18mmx34mm) - New Style | P-2020617  | 1    |
| 17                                       | Sealing Ring                                | P-2009743  | 1    |

**8.3 Discontinued January 2013**

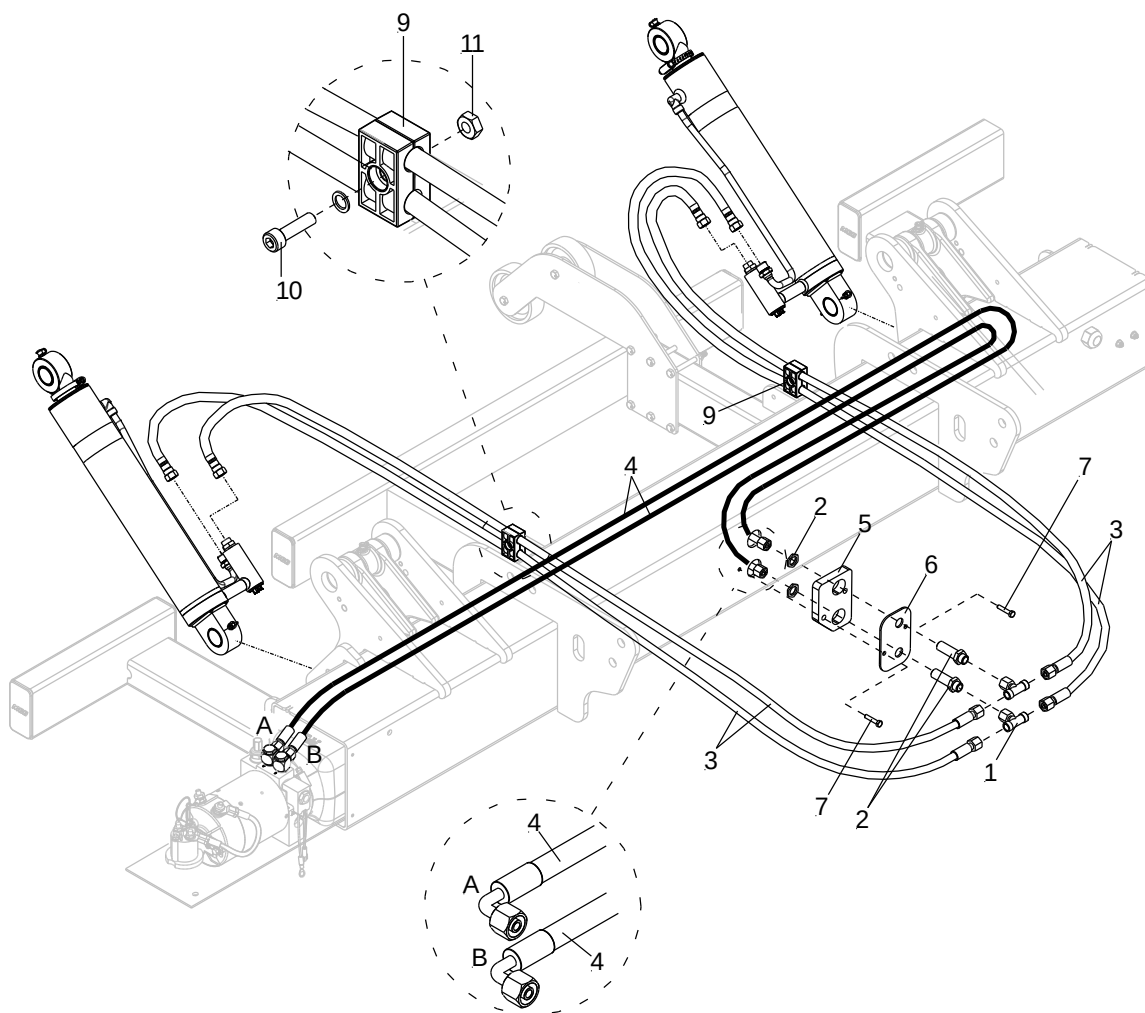
| 8.3- Hydraulic Power Unit |                              |             |      |
|---------------------------|------------------------------|-------------|------|
| No.                       | Description                  | Part No.    | Qty. |
| 1                         | Power Pack                   | 80-1411-100 | 1    |
| 2                         | Solenoid                     | 80-1411-102 | 1    |
| 3                         | Cable Insulated              | 50-0709-919 | 1    |
| 4                         | Bracket, Mount Solenoid      | 50-0709-912 | 1    |
| 5                         | Motor                        | 80-1411-101 | 1    |
| 6                         | Reservoir, Steel, 3 Liter    | 80-1411-911 | 1    |
| 7                         | O-Ring                       | 50-0709-913 | 1    |
| 8                         | Breather Cap                 | 50-0709-914 | 1    |
| 9                         | Cartridge, 4-Way w/ Coil     | 80-1411-920 | 1    |
| 10                        | Pump, Pressure Balanced, 1.7 | 80-1411-917 | 1    |
| 11                        | Banjo Fitting                | P-1000180   | 1    |
| 12                        | Valve Relief                 | 50-1414-009 | 1    |
| 13                        | Filter, Suction              | 50-1414-011 | 1    |
| 14                        | Tube, Suction                | 50-1414-010 | 1    |
| 15                        | Tray, Power Unit             | 80-1411-110 | 1    |

## 9 Hydraulic Hoses

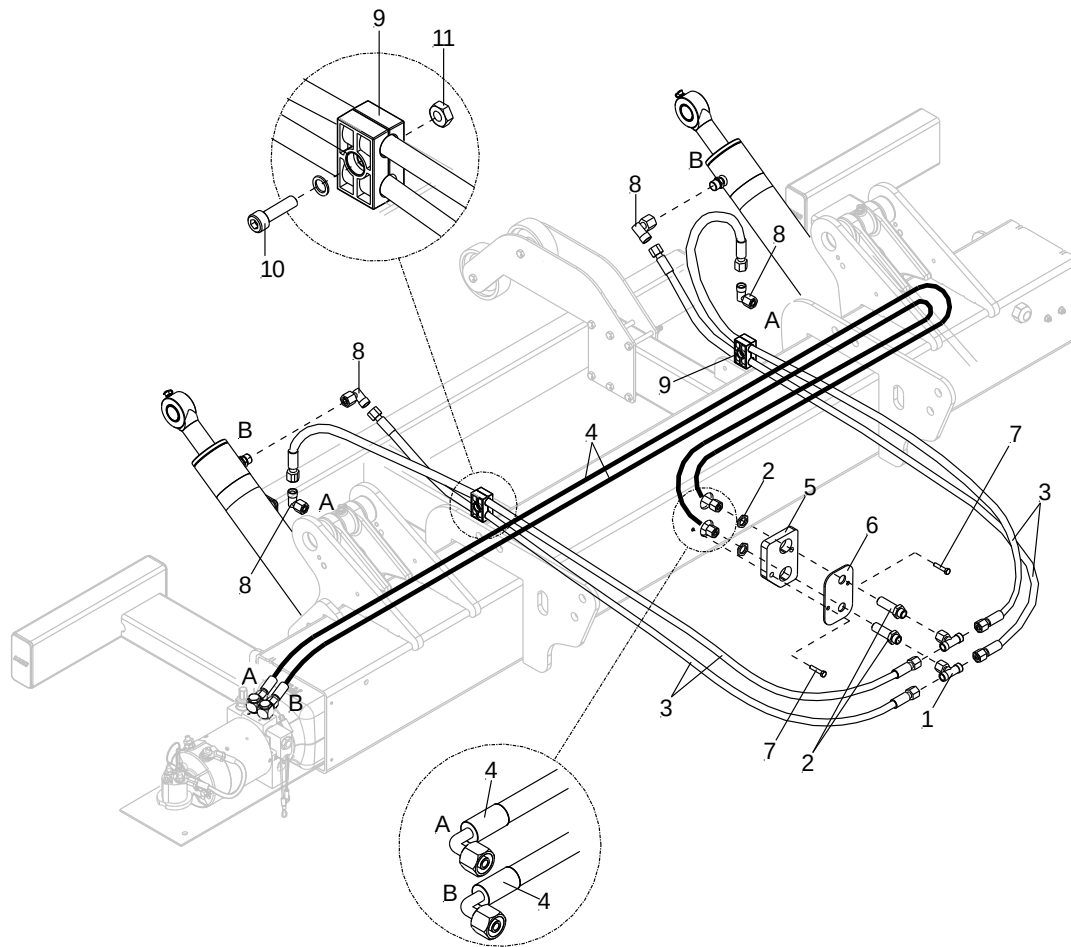
### 9.1 Gravity Down



| 9.1- HYDRAULIC HOSES – GRAVITY DOWN |                                                                         |           |      |
|-------------------------------------|-------------------------------------------------------------------------|-----------|------|
| No.                                 | Description                                                             | Part No.  | Qty. |
| 1                                   | Hydraulic Hose, Rubber, 10L, 1400mm [51.1"]                             | P-2021335 | 2    |
| 2                                   | Hydraulic Hose, Rubber, 10L, W/ 90° Fitting On One Side, 2000mm [78.7"] | P-2021336 | 1    |
| 3                                   | Hose Clamp, Plastic, Single Hose, Green                                 | P-2011391 | 2    |
| 4                                   | Tee- Fitting, 10L                                                       | P-1232239 | 1    |
| 5                                   | Bulk Head Fitting                                                       | P-1111057 | 1    |
| 6                                   | Fitting Plate                                                           | P-2012920 | 1    |
| 7                                   | Rubber Plate                                                            | P-1114049 | 1    |
| 8                                   | Plastic Plug                                                            | P-1296920 | 1    |
| 9                                   | Elbow, 90° 10L To 10L (Hose To Cylinder)                                | P-1232266 | 2    |
| 10                                  | Hex Head Cap Screw, M6X1.0X50, CL 8.8, Zinc                             | ES3498    | 2    |
| 11                                  | Socket Head Cap Screw, M6x1.0x45mm, Cl 8.8, Zinc                        | ES3420    | 2    |
| 12                                  | Nut, Nylock, M6x1.0, Zinc                                               | EM 724    | 2    |

**9.2 Power Down (After 2019)**

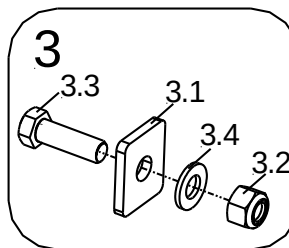
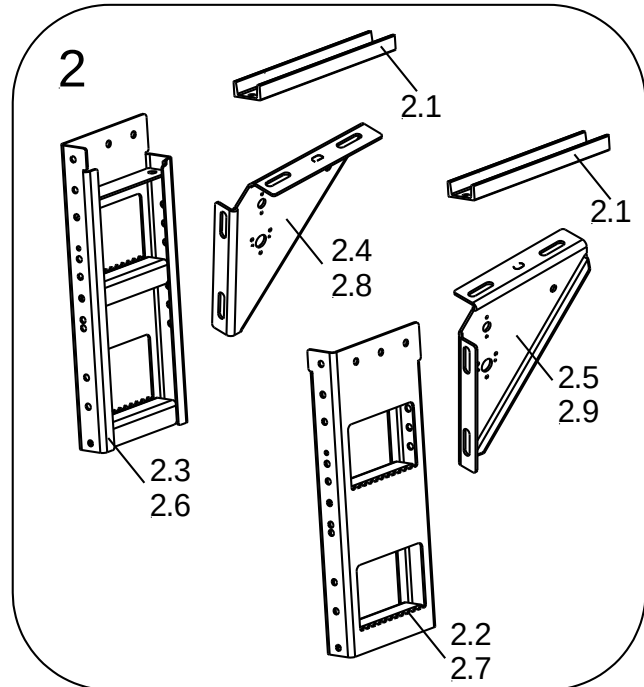
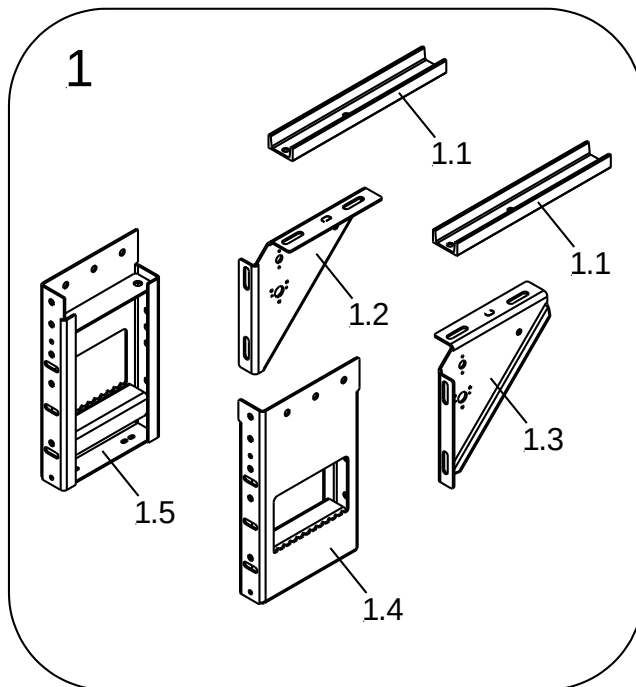
| 9.2- HYDRAULIC HOSES – POWER DOWN (AFTER 2019) |                                                                         |           |      |
|------------------------------------------------|-------------------------------------------------------------------------|-----------|------|
| No.                                            | Description                                                             | Part No.  | Qty. |
| 1                                              | Tee-Fitting, 10L                                                        | P-1232239 | 2    |
| 2                                              | Bulk Head Fitting, 10L                                                  | P-1111057 | 2    |
| 3                                              | Hydraulic Hose, Rubber, 10L, 1400mm [51.1"]                             | P-2021335 | 4    |
| 4                                              | Hydraulic Hose, Rubber, 10L, w/ 90° Fitting On One Side, 2000mm [78.7"] | P-2021336 | 2    |
| 5                                              | Rubber Plate                                                            | P-1114049 | 1    |
| 6                                              | Fitting Plate                                                           | P-2012920 | 1    |
| 7                                              | Hex Head Cap Screw, M6X1.0X50, CL 8.8, Zinc                             | ES3498    | 2    |
| 9                                              | Hose Clamp, Plastic, Dual Hose, Green                                   | P-1406960 | 2    |
| 10                                             | Socket Head Cap Screw, M6x1.0x45mm, Cl 8.8, Zinc                        | ES3420    | 2    |
| 11                                             | Nut, Nylock, M6x1.0, Zinc                                               | EM 724    | 2    |

**9.3 Power Down (Prior 2019)**

| 9.3- HYDRAULIC HOSES – POWER DOWN (PRIOR 2019) |                                                                         |           |      |
|------------------------------------------------|-------------------------------------------------------------------------|-----------|------|
| No.                                            | Description                                                             | Part No.  | Qty. |
| 1                                              | Tee-Fitting, 10L                                                        | P-1232239 | 2    |
| 2                                              | Bulk Head Fitting, 10L                                                  | P-1111057 | 2    |
| 3                                              | Hydraulic Hose, Rubber, 10L, 1400mm [51.1"]                             | P-2021335 | 4    |
| 4                                              | Hydraulic Hose, Rubber, 10L, w/ 90° Fitting On One Side, 2000mm [78.7"] | P-2021336 | 2    |
| 5                                              | Rubber Plate                                                            | P-1114049 | 1    |
| 6                                              | Fitting Plate                                                           | P-2012920 | 1    |
| 7                                              | Hex Head Cap Screw, M6X1.0X50, CL 8.8, Zinc                             | ES3498    | 2    |
| 8                                              | Elbow, 90° 10L To 10L (Hose To Cylinder)                                | P-1232266 | 4    |
| 9                                              | Hose Clamp, Plastic, Dual Hose, Green                                   | P-1406960 | 2    |
| 10                                             | Socket Head Cap Screw, M6x1.0x45mm, Cl 8.8, Zinc                        | ES3420    | 2    |
| 11                                             | Nut, Nylock, M6x1.0, Zinc                                               | EM 724    | 2    |

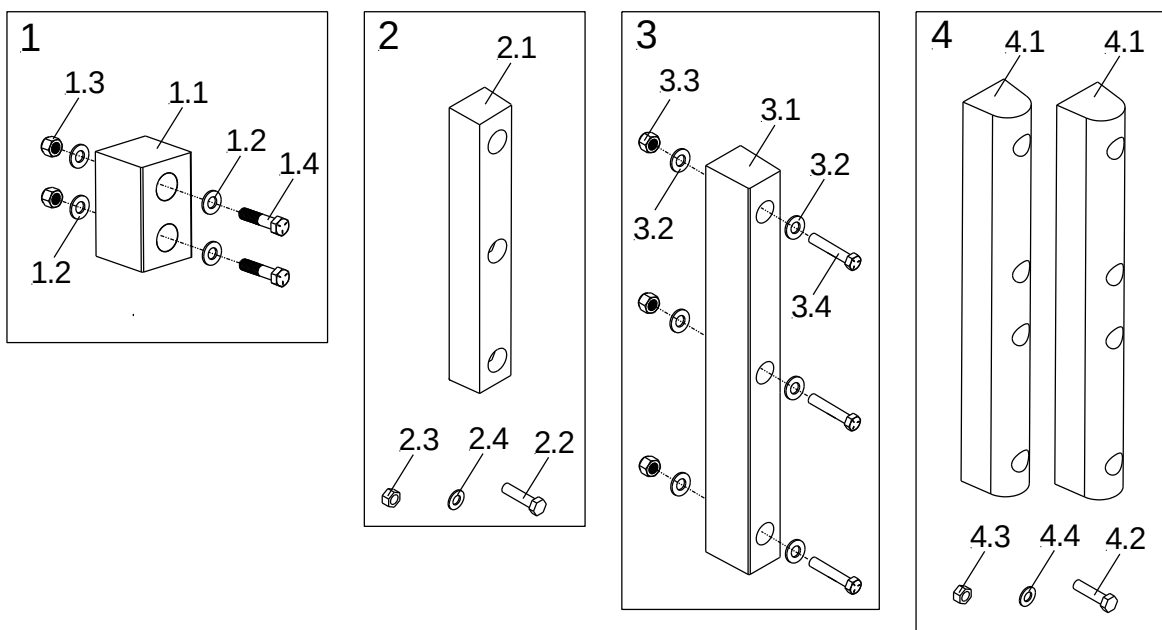
## 10 Dock Bumpers

*Palfinger Liftgates use galvanized, galvanealed, power coat, paint, zinc, and other finishes on different liftgate models. It is important to specify what type of finish is required for the ordered replacement parts.*





| 10 - DOCK BUMPERS |                                                                                |                    |          |
|-------------------|--------------------------------------------------------------------------------|--------------------|----------|
| NO.               | DESCRIPTION                                                                    | PART NO.           | QTY.     |
| 1                 | Kit, 21" Dock Bumpers, Weld-On, Heavy Duty (3/16"), Black                      | 60-7515-013+B      | 1        |
|                   | Kit, 21" Dock Bumpers, Weld-On, Heavy Duty (3/16"), Galvanized                 | 60-7515-013+G      | 1        |
|                   | Kit, 21" Dock Bumpers, Bolt-On, Heavy Duty (3/16") w/Hardware, Black           | 65-7515-007+B      | 1        |
|                   | Kit, 21" Dock Bumpers, Bolt-On, Heavy Duty (3/16") w/Hardware, Galvanized      | 65-7515-007+G      | 1        |
| 1.1               | 3" Channel, Black                                                              | 60-1013-032+B      | 2        |
|                   | 3" Channel, Galvanized                                                         | 60-1013-032+G      | 1        |
| 1.2               | Strut Brace, 3/16", Street Side, Black                                         | 65-7514-008+B      | 1        |
|                   | Strut Brace, 3/16", Street Side, Galvanized                                    | 65-7514-008+G      | 1        |
| 1.3               | Strut Brace, 3/16", Curb Side, Black                                           | 65-7514-009+B      | 1        |
|                   | Strut Brace, 3/16", Curb Side, Galvanized                                      | 65-7514-009+G      | 1        |
| 1.4               | Dock Bumper, 12"X 21" X 3/16", Right Side, Black                               | 65-7515-000+B      | 1        |
|                   | Dock Bumper, 12"X 21" X 3/16", Right Side, Galvanized                          | 65-7515-000+G      | 1        |
| 1.5               | Dock Bumper, 12"X 21" X 3/16", Left Side, Black                                | 65-7515-003+B      | 1        |
|                   | Dock Bumper, 12"X 21" X 3/16", Left Side, Galvanized                           | 65-7515-003+G      | 1        |
| 2                 | Kit, 28" Dock Bumpers, Weld-On, Heavy Duty (3/16"), Black                      | 65-7514-001+B      | 1        |
|                   | Kit, 28" Dock Bumpers, Weld-On, Heavy Duty (3/16"), Galvanized                 | 65-7514-001+G      | 1        |
|                   | Kit, 28" Dock Bumpers, Bolt-On, Heavy Duty (3/16") w/Hardware, Black           | 65-7514-000+B      | 1        |
|                   | Kit, 28" Dock Bumpers, Bolt-On, Heavy Duty (3/16") w/Hardware, Galvanized      | 65-7514-000+G      | 1        |
|                   | Kit, 28" Dock Bumpers, Weld-On, Extra Heavy Duty (1/4"), Black Paint           | 65-1013-011+B      | 1        |
|                   | Kit, 28" Dock Bumpers, Weld-On, Extra Heavy Duty (1/4"), Galvanized            | 65-1013-011+G      | 1        |
|                   | Kit, 28" Dock Bumpers, Bolt-On, Extra Heavy Duty (1/4") w/Hardware, Black      | 65-1013-010+B      | 1        |
|                   | Kit, 28" Dock Bumpers, Bolt-On, Extra Heavy Duty (1/4") w/Hardware, Galvanized | 65-1013-010+G      | 1        |
| 2.1               | 3" Channel, Black                                                              | 60-1013-032+B      | 2        |
|                   | 3" Channel, Galvanized                                                         | 60-1013-032+G      | 2        |
| 2.2               | Dock Bumper, 12" X 28" X 3/16", Curb Side, Black                               | 65-7514-002+B      | 1        |
|                   | Dock Bumper, 12" X 28" X 3/16", Curb Side, Galvanized                          | 65-7514-002+G      | 1        |
| 2.3               | Dock Bumper, 12" X 28" X 3/16", Street Side, Black                             | 65-7514-003+B      | 1        |
|                   | Dock Bumper, 12" X 28" X 3/16", Street Side, Galvanized                        | 65-7514-003+G      | 1        |
| 2.4               | Strut Brace, 3/16", Street Side, Black                                         | 65-7514-008+B      | 1        |
|                   | Strut Brace, 3/16", Street Side, Galvanized                                    | 65-7514-008+G      | 1        |
| 2.5               | Strut Brace, 3/16", Curb Side, Black                                           | 65-7514-009+B      | 1        |
|                   | Strut Brace, 3/16", Curb Side, Galvanized                                      | 65-7514-009+G      | 1        |
| 2.6               | Dock Bumper, 12" X 28" X 1/4", Street Side, Black                              | 60-1013-010+B      | 1        |
|                   | Dock Bumper, 12" X 28" X 1/4", Street Side, Galvanized                         | 60-1013-010+G      | 1        |
| 2.7               | Dock Bumper, 12" X 28" X 1/4", Curb Side, Black                                | 60-1013-020+B      | 1        |
|                   | Dock Bumper, 12" X 28" X 1/4", Curb Side, Galvanized                           | 60-1013-020+G      | 1        |
| 2.8               | Strut Brace, 1/4", Street Side, Black                                          | 60-1013-030+B      | 1        |
|                   | Strut Brace, 1/4", Street Side, Galvanized                                     | 60-1013-030+G      | 1        |
| 2.9               | Strut Brace, 1/4", Curb Side, Black                                            | 60-1013-031+B      | 1        |
|                   | Strut Brace, 1/4", Curb Side, Galvanized                                       | 60-1013-031+G      | 1        |
| 3                 | <b>Dock Bumper Hardware Kit</b>                                                | <b>65-1013-012</b> | <b>1</b> |
| 3.1               | Clamp Washer                                                                   | 60-1013-050        | 8        |
| 3.2               | Washer, Flat, 9/16", SAE                                                       | EK3280             | 16       |
| 3.3               | Nut, Nylock, 9/16"-12                                                          | EM862              | 16       |
| 3.4               | Hex Head Cap Screw, 9/16"-12x1.75, Zinc                                        | ES4003             | 16       |

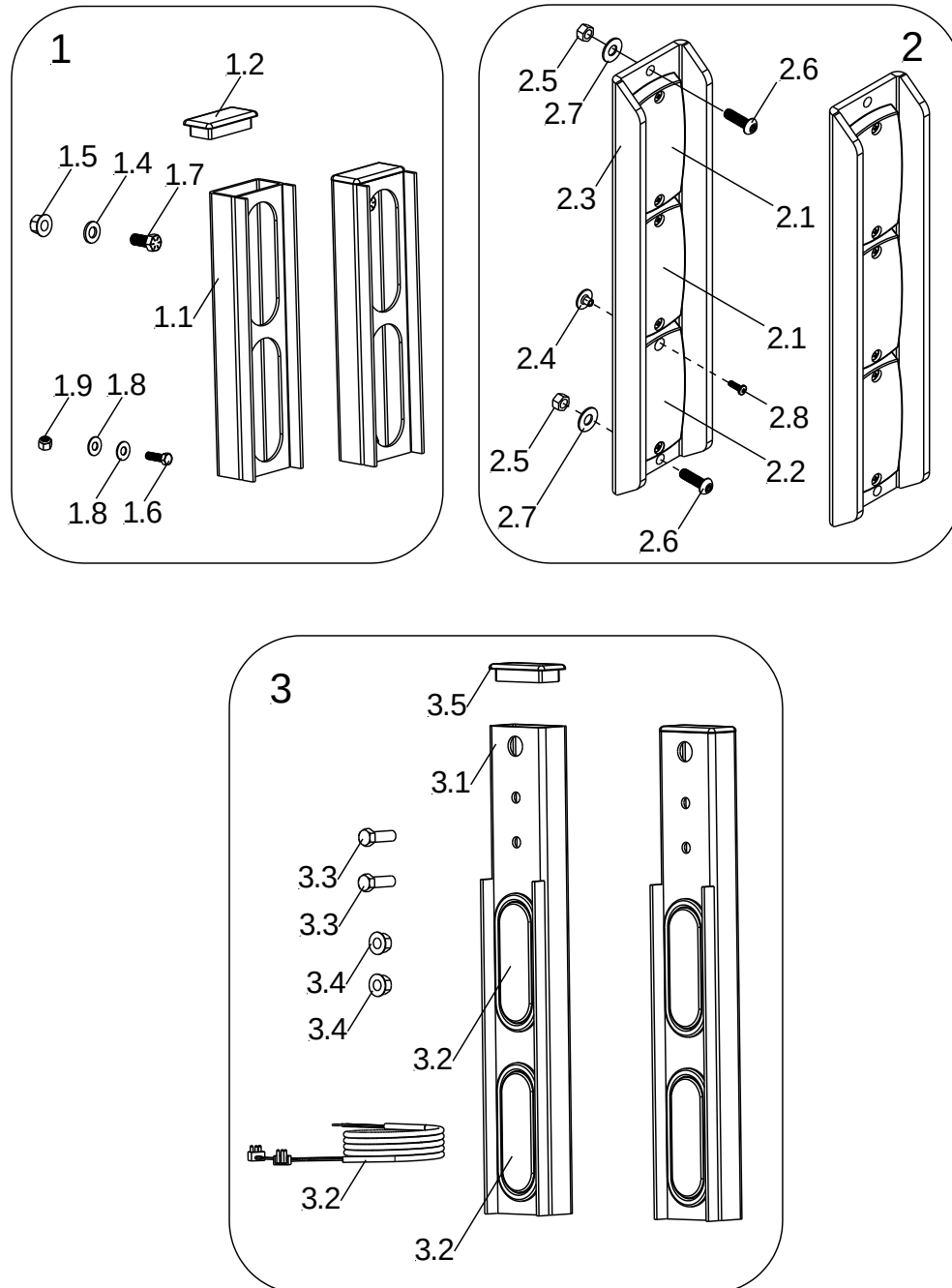
**11 Dock Bumper – Bumper Pads**

| 11 - DOCK BUMPER PADS |                                                                          |                    |          |
|-----------------------|--------------------------------------------------------------------------|--------------------|----------|
| No.                   | Description                                                              | PART NO.           | QTY.     |
| <b>1</b>              | <b>Rubber Bumper Kit, 2.6"X3.5"X5", UHMW, 2 Hole, w/Bolt-On Hardware</b> | <b>65-7518-300</b> | <b>1</b> |
| 1.1                   | Rubber Bumper, 3"x3"x4.8", UHMW                                          | 65-7517-400        | 1        |
| 1.2                   | Washer, Flat, 1/2"                                                       | EK2796             | 8        |
| 1.3                   | Nylock, 1/2"-13                                                          | EM-707             | 4        |
| 1.4                   | Hex Head Cap Screw, 1/2-13x2.25"                                         | ES3910             | 4        |
| <b>2</b>              | <b>Bumper Kit, UHMW, 16", Bolt-On</b>                                    | <b>65-7518-005</b> | <b>1</b> |
| 2.1                   | Bumper; UHMW; 16"x2"x1.5"                                                | 65-7518-001        | 1        |
| 2.2                   | Hex Head Cap Screw, 1/2"-13 x 2.00"                                      | ES3455             | 3        |
| 2.3                   | Nylock, 1/2"-13                                                          | EM-707             | 3        |
| 2.4                   | Washer, Flat, 1/2", SAE                                                  | EK2796             | 6        |
| <b>3</b>              | <b>Rubber Bumper Kit, 3"X2.5"X24", 3 Hole, w/Bolt-On Hardware</b>        | <b>65-7514-024</b> | <b>1</b> |
| 3.1                   | Rubber Dock Bumper                                                       | 65-7514-023        | 1        |
| 3.2                   | Washer, Flat, 1/2"                                                       | EK2796             | 6        |
| 3.3                   | Nylock, 1/2"-13                                                          | EM-707             | 3        |
| 3.4                   | Hex Head Cap Screw 1/2"-13x2.75" Gr.5,Zinc                               | ES3554             | 3        |
| <b>4</b>              | <b>Rubber Bumper Kit, 3"X3"X24", 4 Hole, w/Bolt-On Hardware</b>          | <b>65-7513-424</b> | <b>1</b> |
| 4.1                   | Rubber Dock Bumper                                                       | 65-7513-024        | 2        |
| 4.2                   | Hex Head Cap Screw, 1/2"-13 X 2.25"                                      | ES3910             | 8        |
| 4.3                   | Nylock, 1/2"-13                                                          | EM-707             | 8        |
| 4.4                   | Washer, Flat, 1/2", SAE                                                  | EK2796             | 16       |

**NOTES**

## 12 Dock Bumper - Light Kits

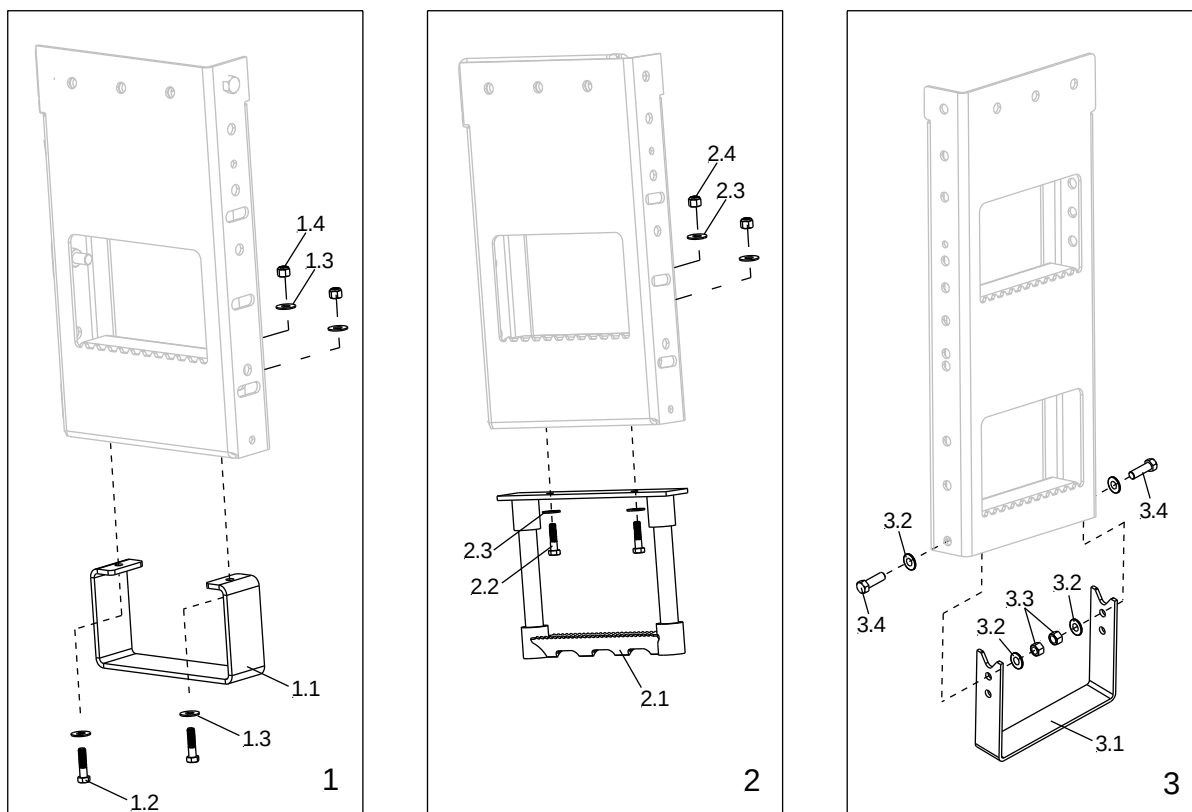
*Palfinger Liftgates use galvanized, galvanealed, power coat, paint, zinc, and other finishes on different liftgate models. It is important to specify what type of finish is required for the ordered replacement parts.*



| 12 - DOCK BUMPER LIGHT KITS |                                                                        |                      |          |
|-----------------------------|------------------------------------------------------------------------|----------------------|----------|
| NO.                         | DESCRIPTION                                                            | PART NO.             | QTY.     |
| <b>1</b>                    | <b>Light Fixture Kit, 21" Dock Bumpers, (No Lights Included.)</b>      | <b>60-7515-014+G</b> | <b>1</b> |
| 1.1                         | Light Fixture, 21", Series 60                                          | 65-7515-010+G        | 2        |
| 1.2                         | Cap, 2 X 4, Plastic, Black                                             | 60-1007-401          | 2        |
| 1.3                         | Washer, Flat, 9/16", SAE/USS                                           | EK3280               | 2        |
| 1.4                         | Nut, Flange, Lock, 9/16"-18                                            | EM 693               | 2        |
| 1.5                         | Hex Head Cap Screw; 3/8-16 X 1.25"                                     | ES3496               | 2        |
| 1.6                         | Hex Head Cap Screw; 9/16-18 X 1.25"                                    | ES3689               | 2        |
| 1.7                         | Washer, Flat, 3/8" USS, Zinc                                           | EK3216               | 4        |
| 1.8                         | Nut, Nylock, 3/8"-16, Gr.5, Zinc                                       | EM-708               | 2        |
| <b>2</b>                    | <b>Light Fixture Kit, Dock Bumpers, 3" Lights, w/Bolt On Hardware</b>  | <b>65-1013-400</b>   | <b>1</b> |
| 2.1                         | Red Led Light                                                          | 65-1013-201          | 2        |
| 2.2                         | White Led Light                                                        | 65-1013-202          | 1        |
| 2.3                         | 3-Light Bracket                                                        | 65-7513-102          | 1        |
| 2.4                         | Split Loom, 0.25" x 6.25", Black                                       | EZ7394               | 3        |
| 2.5                         | Nut, Tee, #8-32                                                        | EM 845               | 6        |
| 2.6                         | Pan Head Screw, #8-32x0.50"                                            | ES3622               | 6        |
| 2.7                         | Button Head Cap Screw, 3/8"-16 x 1.25"                                 | 99-8813-048          | 2        |
| 2.8                         | Washer, Flat, 3/8                                                      | 99-8813-058          | 2        |
| 2.9                         | Nut, Nylock, 3/8"-16, Gr.5, Zinc                                       | EM-708               | 2        |
| <b>3</b>                    | <b>Light Fixture Kit. 28" Dock Bumpers, Series 60 Light (w/Lights)</b> | <b>65-0815-100+G</b> | <b>1</b> |
| 3.1                         | Light Fixture, Series 60                                               | 65-0815-002+G        | 2        |
| 3.2                         | Light Kit, w/Harness, Red                                              | 70-8015-015          | 1        |
| 3.3                         | Hex Head Cap Screw, 5/8-18x1.75, Gr.8, Zinc                            | ES3444               | 4        |
| 3.4                         | Nut, Lock, Flanged, 9/16-18", Gr.8, Zinc                               | EM 693               | 4        |
| 3.5                         | Cap, 2 X 4, Plastic, Black                                             | 60-1007-401          | 2        |

## 13 Dock Bumper – Steps

*Palfinger Liftgates use galvanized, galvanealed, power coat, paint, zinc, and other finishes on different liftgate models. It is important to specify what type of finish is required for the ordered replacement parts.*



| 13 - DOCK BUMPER STEPS |                                              |                      |          |
|------------------------|----------------------------------------------|----------------------|----------|
| NO.                    | DESCRIPTION                                  | PART NO.             | QTY.     |
| <b>1</b>               | <b>Stirrup Step kit; 6", 21" Dock Bumper</b> | <b>65-7515-012+G</b> | <b>1</b> |
| 1.1                    | Stirrup Step; 6"                             | 65-1011-102+G        | 2        |
| 1.2                    | Hex Head Cap Screw, 3/8-16x1.50"             | ES3656               | 4        |
| 1.3                    | Washer, Flat, 3/8" USS, Zinc                 | EK3216               | 8        |
| 1.4                    | Nut, Nylock, 3/8-16, Gr.5, Zinc              | EM-708               | 4        |
| <b>2</b>               | <b>Cable Step Kit; 21" Dock Bumper, Zinc</b> | <b>65-7515-006</b>   | <b>1</b> |
| 2.1                    | Cable Step; 9"x12"x1-1/4", Zinc              | 65-7518-000          | 2        |
| 2.2                    | Hex Head Cap Screw, 3/8-16x1.50"             | ES3656               | 4        |
| 2.3                    | Washer, Flat, 3/8" USS, Zinc                 | EK3216               | 8        |
| 2.4                    | Nut, Nylock 3/8-16 Gr.5 Zinc                 | EM-708               | 4        |
| <b>3</b>               | <b>Stirrup Step Kit; 8", 28" Dock Bumper</b> | <b>65-7514-010+G</b> | <b>1</b> |
| 3.1                    | Stirrup Step; 8"                             | 60-1013-060+G        | 2        |
| 3.2                    | Washer, Flat, 1/2"                           | EK2796               | 8        |
| 3.3                    | Nut, Nylock, 1/2"-13                         | EM-707               | 4        |
| 3.4                    | Hex Head Cap Screw, 1/2"-13 x 1.5            | ES3456               | 4        |

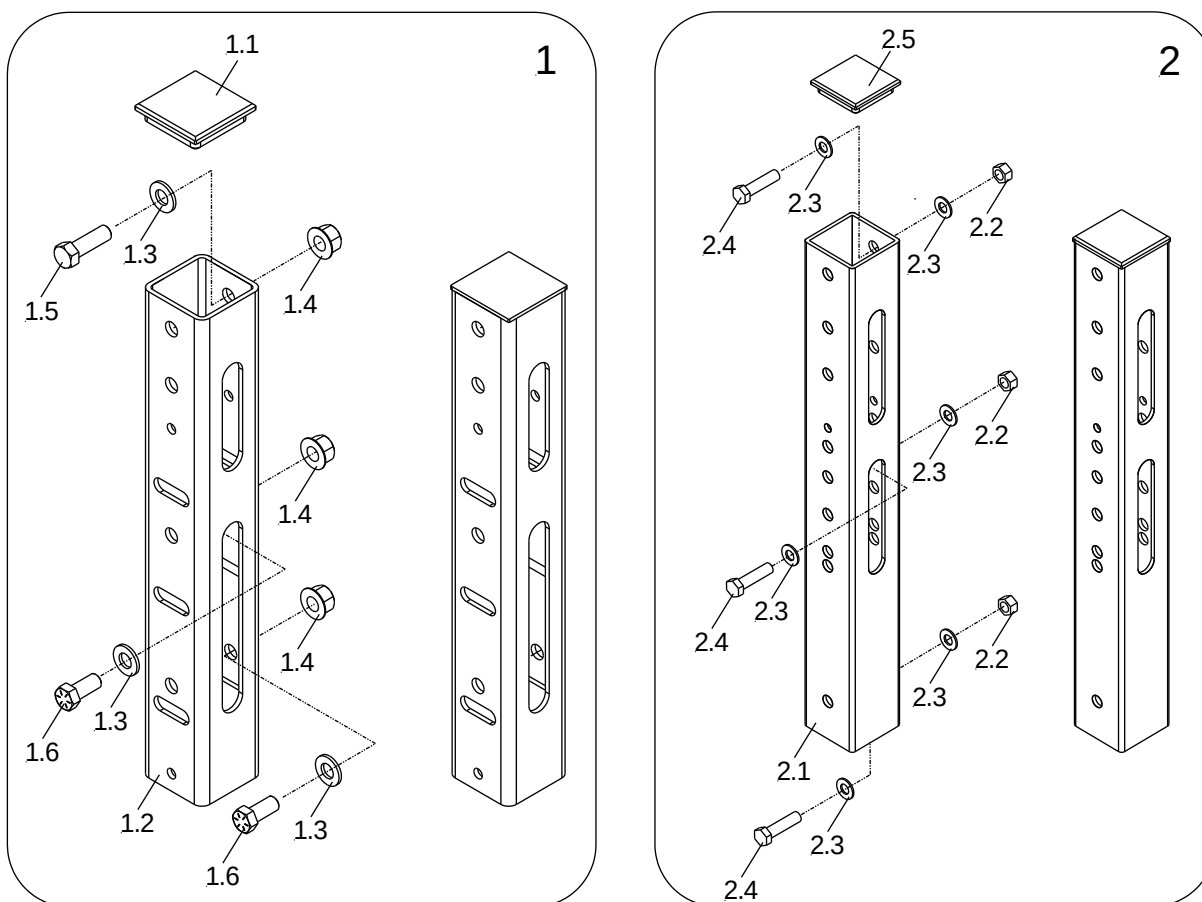
Palfinger Liftgates, LLC.  
 15939 Piuma Ave, Cerritos, CA 90703  
 Tel: (888) 774-5844, Fax: (562) 924-8318

Rev.1.9

Palfinger Liftgates, LLC.  
 572 Whitehead Road, Trenton, NJ 08619  
 Tel: (609) 587-4200, Fax: (609) 587-4201

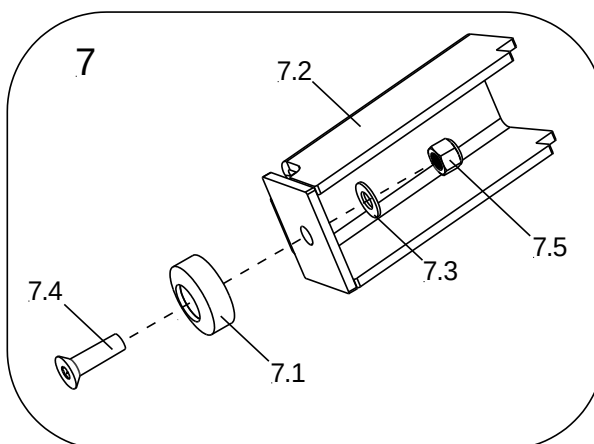
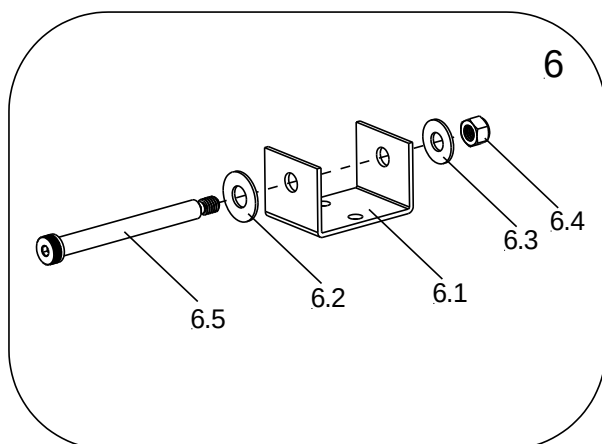
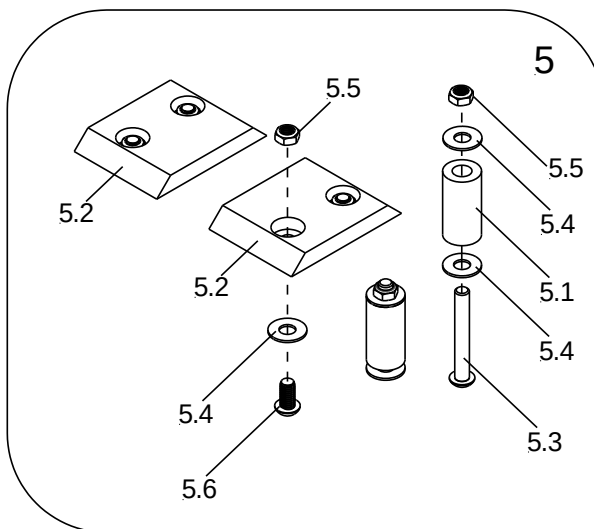
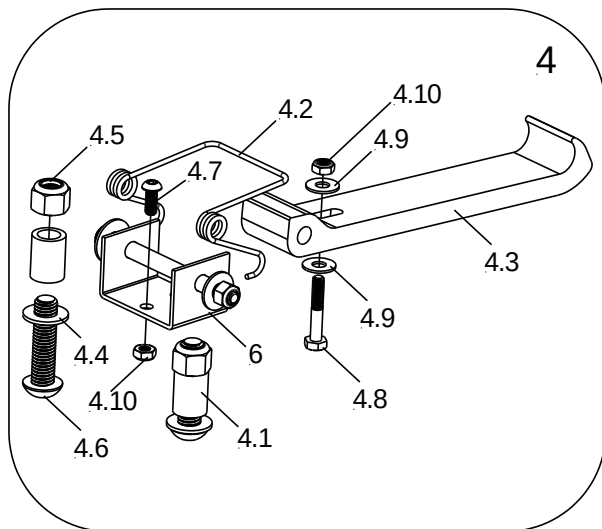
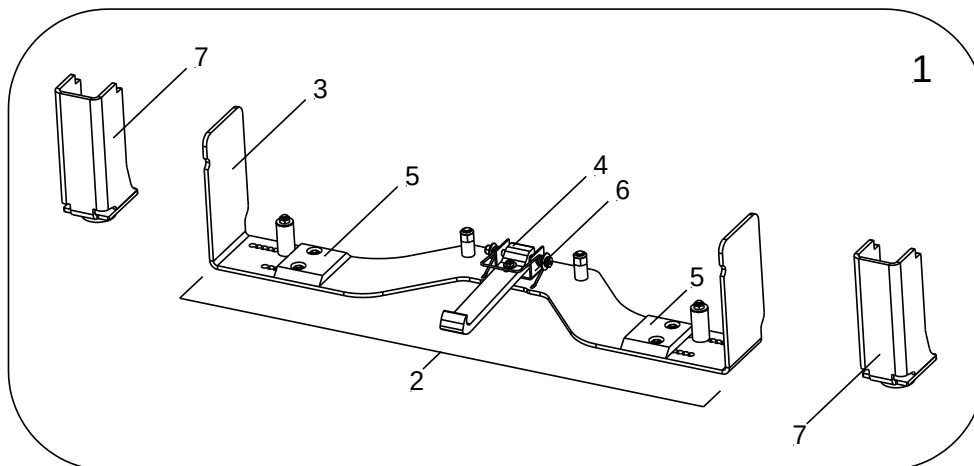
## 14 Dock Bumpers - Walk Ramp Extensions

*Palfinger Liftgates use galvanized, galvanealed, power coat, paint, zinc, and other finishes on different liftgate models. It is important to specify what type of finish is required for the ordered replacement parts.*



| 14 - DOCK BUMPERS – WALK RAMP EXTENSIONS |                                                                      |                      |          |
|------------------------------------------|----------------------------------------------------------------------|----------------------|----------|
| NO.                                      | DESCRIPTION                                                          | PART NO.             | QTY.     |
| <b>1</b>                                 | <b>21" Dock Bumper, Bolt-On, Walk Ramp Extension Kit, w/Hardware</b> | <b>65-7515-013+G</b> | <b>1</b> |
| 1.1                                      | 3" Square Tube Cap                                                   | 99-8714-001          | 2        |
| 1.2                                      | Walk Ramp Extension Tube, Galvanized                                 | 65-7515-014+G        | 2        |
| 1.3                                      | Washer; Flat; 9/16, SAE/USS                                          | EK3280               | 6        |
| 1.4                                      | Lock Nut, Flange, 9/16"-18                                           | EM 693               | 6        |
| 1.5                                      | Hex Head Cap Screw, 9/16-18 X 1.75"                                  | ES3444               | 2        |
| 1.6                                      | Hex Head Cap Screw, 9/16-18 X 1.25"                                  | ES3689               | 4        |
| <b>2</b>                                 | <b>28" Dock Bumper, Bolt-On, Walk Ramp Extension Kit, w/Hardware</b> | <b>65-7514-014+G</b> | <b>1</b> |
| 2.1                                      | Walk Ramp Extension Tube, Galvanized                                 | 65-7514-016+G        | 2        |
| 2.2                                      | Nut, Nylock, 1/2"-13                                                 | EM-707               | 6        |
| 2.3                                      | Washer, Cut. 1/2"                                                    | EK2796               | 12       |
| 2.4                                      | Hex Head Cap Screw, 1/2"-13 X 1.5"                                   | ES3456               | 6        |
| 2.5                                      | Cap, Square Tube, 3"                                                 | 99-8714-001          | 2        |

# 15 Walk Ramp

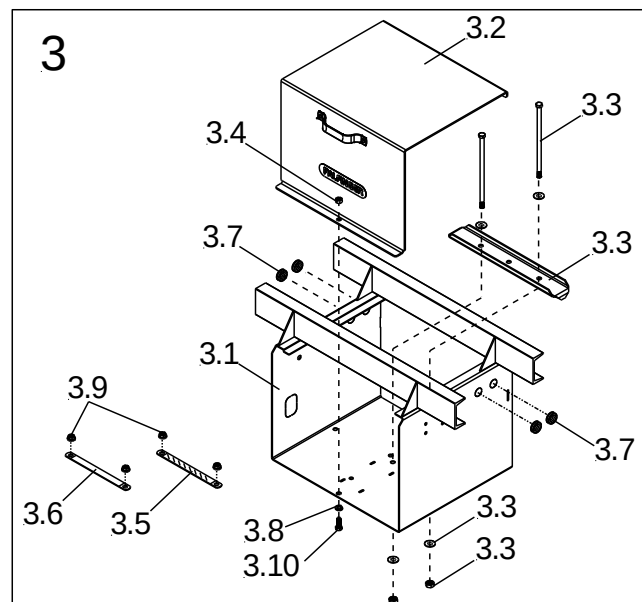
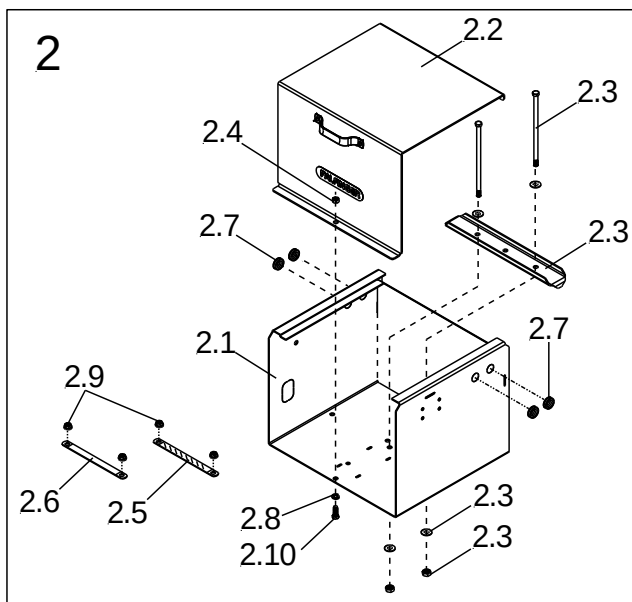
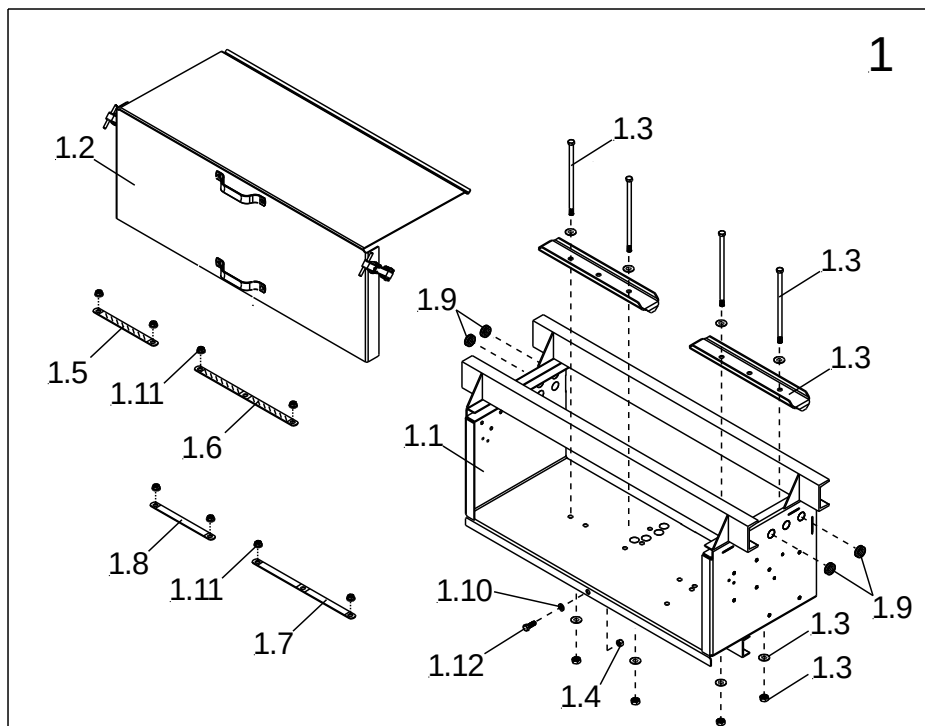




| <b>15 – WALK RAMP</b> |                                                              |                      |             |
|-----------------------|--------------------------------------------------------------|----------------------|-------------|
| <b>No.</b>            | <b>Description</b>                                           | <b>Part No.</b>      | <b>Qty.</b> |
| <b>1</b>              | <b>Walk Ramp Kit, Cradle, Up Stops, Hardware, Galvanized</b> | <b>60-1012-200+G</b> | <b>1</b>    |
| <b>2</b>              | <b>Walk Ramp Cradle Kit, No Up Stops, Galvanized</b>         | <b>60-7515-008+G</b> | <b>1</b>    |
| <b>3</b>              | <b>Cradle, Formed</b>                                        | <b>60-1012-211</b>   | <b>1</b>    |
| <b>4</b>              | <b>Latch Kit</b>                                             | <b>60-7515-006</b>   | <b>1</b>    |
| 4.1                   | Slide Stop                                                   | 60-1009-115          | 2           |
| 4.2                   | Spring Torsion, Stainless Steel                              | 60-1011-104          | 1           |
| <b>4.3</b>            | <b>Hook, Ramp, Aluminum</b>                                  | <b>60-1012-103</b>   | <b>1</b>    |
| <b>4.4</b>            | <b>Washer, Flat, 1/2"</b>                                    | <b>EK2796</b>        | <b>2</b>    |
| 4.5                   | Nut, Nylock, 1/2"-13                                         | EM-707               | 2           |
| 4.6                   | Button Head Cap Screw, 1/4" -13 X 2.00"                      | ES3535               | 2           |
| 4.7                   | Button Head Cap Screw, 1/4" -20 X 5/8"                       | ES3537               | 2           |
| 4.8                   | Hex Head Cap Screw, 1/4"-20 X 1.50"                          | ES3651               | 1           |
| 4.9                   | Washer, Flat, 1/4" USS, Zinc                                 | EK3218               | 2           |
| 4.10                  | Nut, Nylock, 1/4"-20 Zinc                                    | EM 722               | 3           |
| <b>5</b>              | <b>Slide And Slide Guard Kit</b>                             | <b>60-7515-007</b>   | <b>1</b>    |
| 5.1                   | Slide Guard                                                  | 60-1009-112          | 2           |
| 5.2                   | Walk Ramp Slide Pad                                          | 60-1011-151          | 2           |
| 5.3                   | Button Head Cap Screw, 3/8"-16 X 2.75"                       | ES3534               | 2           |
| 5.4                   | Washer, Flat, 3/8" USS, Zinc                                 | EK3216               | 8           |
| 5.5                   | Nut, Nylock, 3/8"-16, Block Half Height                      | EM-709               | 6           |
| 5.6                   | Button Head Cap Screw, 3/8"-16 X 3/4"                        | ES3460               | 4           |
| <b>6</b>              | <b>Bracket &amp; Hardware Kit</b>                            | <b>60-1012-203</b>   | <b>1</b>    |
| 6.1                   | Bracket, Emtex                                               | 60-7515-009          | 1           |
| 6.2                   | Washer, Flat, 3/8", USS, Zinc                                | EK3216               | 1           |
| 6.3                   | Washer, Flat, 5/16"                                          | EK3217               | 1           |
| 6.4                   | Nut, Nylock, 5/16"-18                                        | EM 710               | 1           |
| 6.5                   | Shoulder Screw, 3/8" X 3.5"                                  | ES3533               | 1           |
| <b>7</b>              | <b>Up Stop Kit, Galvanized</b>                               | <b>60-7515-005+G</b> | <b>1</b>    |
| 7.1                   | Bumper, Nylon                                                | 60-1009-113          | 1           |
| 7.2                   | Up Stop, Formed, Adjustable                                  | 60-1009-301+G        | 1           |
| 7.3                   | Washer, Flat, 1/2"                                           | EK2796               | 1           |
| 7.4                   | Flat Head Cap Screw, 1/2"-13 X 1.75"                         | ES3536               | 1           |
| 7.5                   | Nut, Nylock, 1/2"-13                                         | EM 689               | 1           |

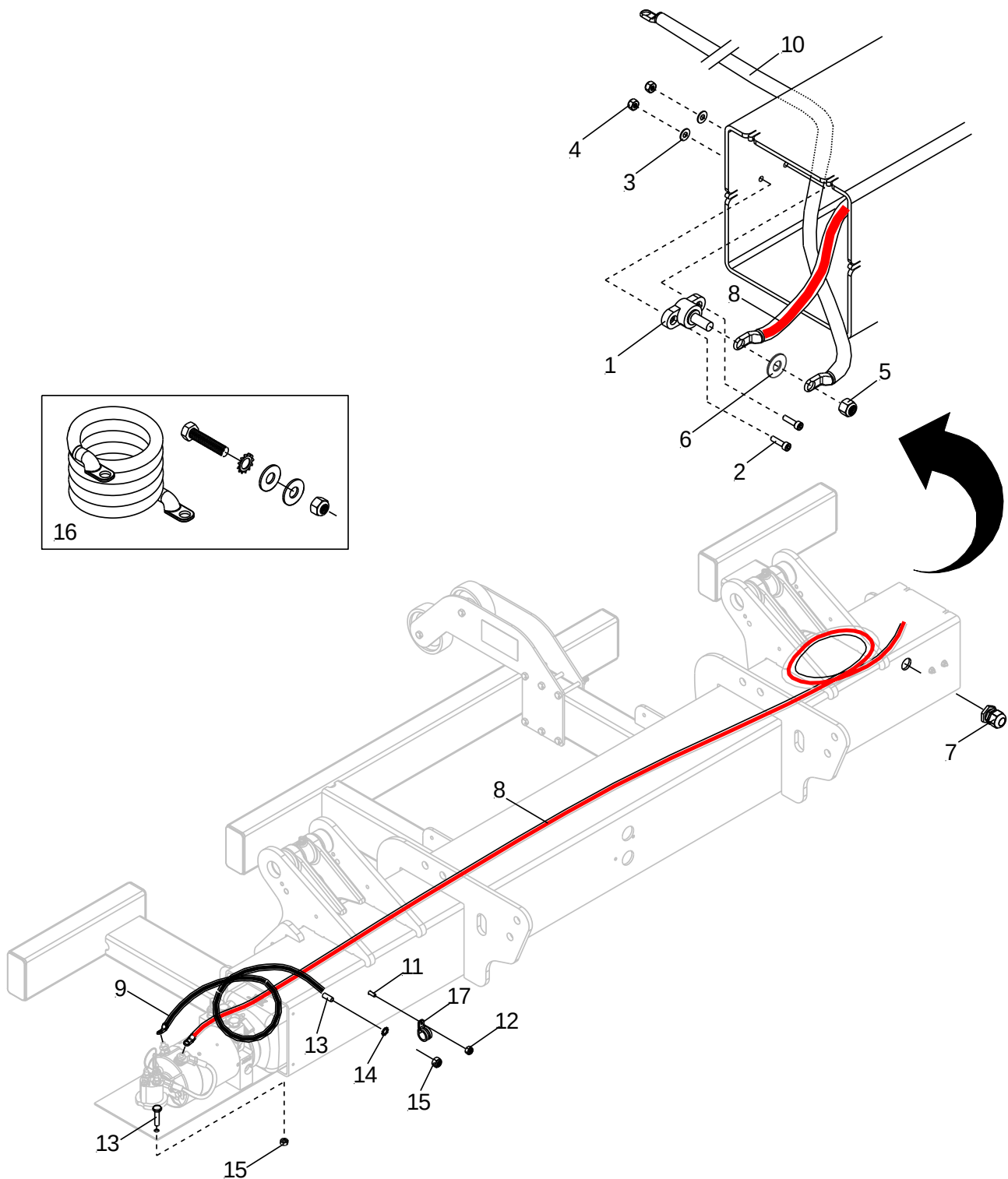
## 16 Battery Box Kits

*Palfinger Liftgates use galvanized, galvanealed, power coat, paint, zinc, and other finishes on different liftgate models. It is important to specify what type of finish is required for the ordered replacement parts.*



| 16 – BATTERY BOX KITS |                                                    |                      |          |
|-----------------------|----------------------------------------------------|----------------------|----------|
| NO.                   | DESCRIPTION                                        | PART NO.             | QTY.     |
| <b>1</b>              | <b>Battery Box Kit, 4-Battery, w/Channels</b>      | <b>50-8016-100+G</b> | <b>1</b> |
| 1.1                   | Battery Box Base, Assembly, Large, Black           | 50-8016-001+B        | 1        |
|                       | Battery Box Base, Assembly, Large, Galvanized      | 50-8016-001+G        | 1        |
| <b>1.2</b>            | <b>Battery Box Lid Assembly, Aluminum</b>          | <b>60-7515-012</b>   | <b>1</b> |
| <b>1.3</b>            | <b>Kit, 2-Battery Hold Down</b>                    | <b>60-7515-151</b>   | <b>2</b> |
| 1.4                   | Nut, 3/8"-16, Gr.5                                 | EM 532               | 1        |
| 1.5                   | Bus Bar, 2-Battery, Black                          | KET05916A            | 1        |
| 1.6                   | Bus Bar, 3-Battery, Black                          | KET05961A            | 1        |
| 1.7                   | Bus Bar, 3-Battery, Red                            | KET05962A            | 1        |
| 1.8                   | Bus Bar, 2-Battery, Red                            | KET06062A            | 1        |
| 1.9                   | Grommet, 7/8" Diameter Hole                        | EK3504               | 4        |
| 1.10                  | Washer, Split Lock, 3/8"                           | EK3238               | 1        |
| 1.11                  | Nut, Serrated, 3/8"-16; Stainless Steel            | EM 781               | 8        |
| 1.12                  | Hex Head Cap Screw, 3/8"-16x1", Gr. 5, Zinc        | ES3446               | 1        |
| <b>2</b>              | <b>Battery Box Kit, 2-Battery</b>                  | <b>50-8016-200+G</b> | <b>1</b> |
| 2.1                   | Battery Box, Base, Assembly, 2-Battery             | 50-8016-201+G        | 1        |
| 2.2                   | Lid Assembly, Aluminum                             | 60-7517-018          | 1        |
| 2.3                   | 2-Battery Hold Down Kit                            | 60-7515-151          | 1        |
| 2.4                   | Nut, 3/8"-16, Gr. 5                                | EM 532               | 1        |
| 2.5                   | Bus Bar, 2-Battery, Black                          | KET05916A            | 1        |
| 2.6                   | Bus Bar, 2-Battery, Red                            | KET06062A            | 1        |
| 2.7                   | Grommet, 7/8" Diameter Hole                        | EK3504               | 4        |
| 2.8                   | Washer, Split Lock, 3/8"                           | EK3238               | 1        |
| 2.9                   | Nut, Serrated, 3/8"-16, Stainless Steel            | EM 781               | 4        |
| 2.10                  | Hex Head Cap Screw, 3/8"-16x1", Gr.5, Zinc         | ES3446               | 1        |
| <b>3</b>              | <b>Battery Box Kit, 2-Battery, w/Channels</b>      | <b>60-7517-022+G</b> | <b>1</b> |
| 3.1                   | Battery Box, Base, Assembly, 2-Battery, w/Channels | 60-7517-020+G        | 1        |
| 3.2                   | Lid Assy., Alum                                    | 60-7517-018          | 1        |
| 3.3                   | 2-Battery Hold Down Kit                            | 60-7515-151          | 1        |
| 3.4                   | Nut, 3/8"-16, Gr. 5                                | EM 532               | 1        |
| 3.5                   | Bus Bar, 2-Battery, Black                          | KET05916A            | 1        |
| 3.6                   | Bus Bar, 2-Battery, Red                            | KET06062A            | 1        |
| 3.7                   | Grommet, 7/8" Diameter Hole                        | EK3504               | 4        |
| 3.8                   | Washer, Split Lock, 3/8"                           | EK3238               | 1        |
| 3.9                   | Nut, Serrated, 3/8"-16, Stainless Steel            | EM 781               | 4        |
| 3.10                  | Hex Head Cap Screw, 3/8"-16x1", Gr.5, Zinc         | ES3446               | 1        |

# **17      Electrical**

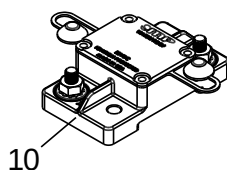
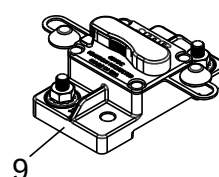
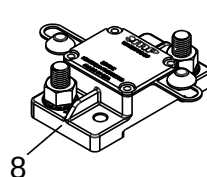
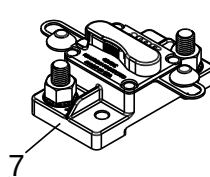
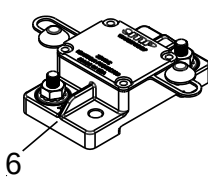
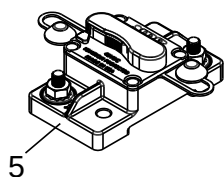
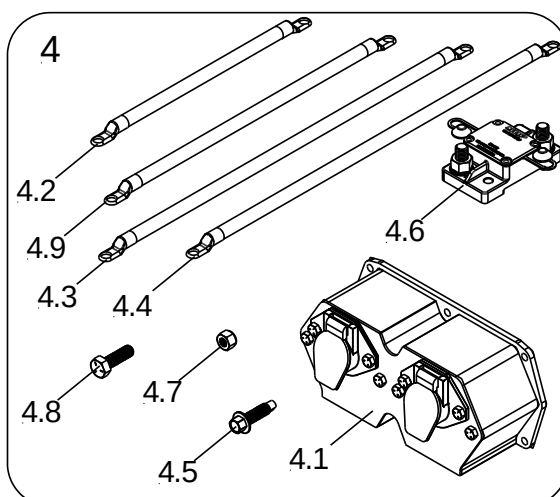
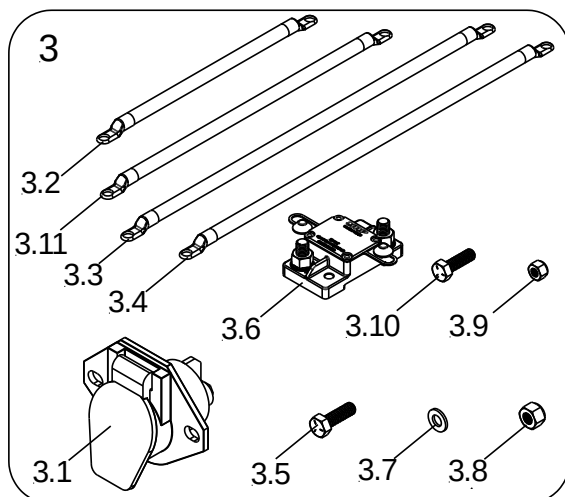
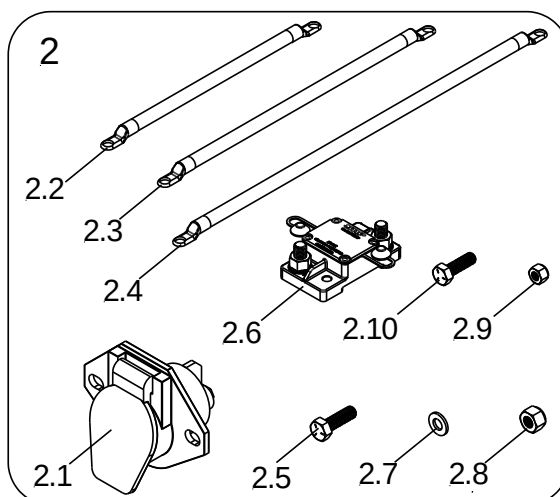
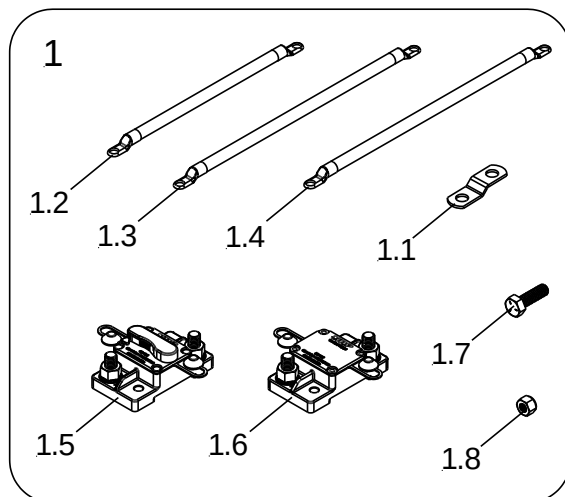


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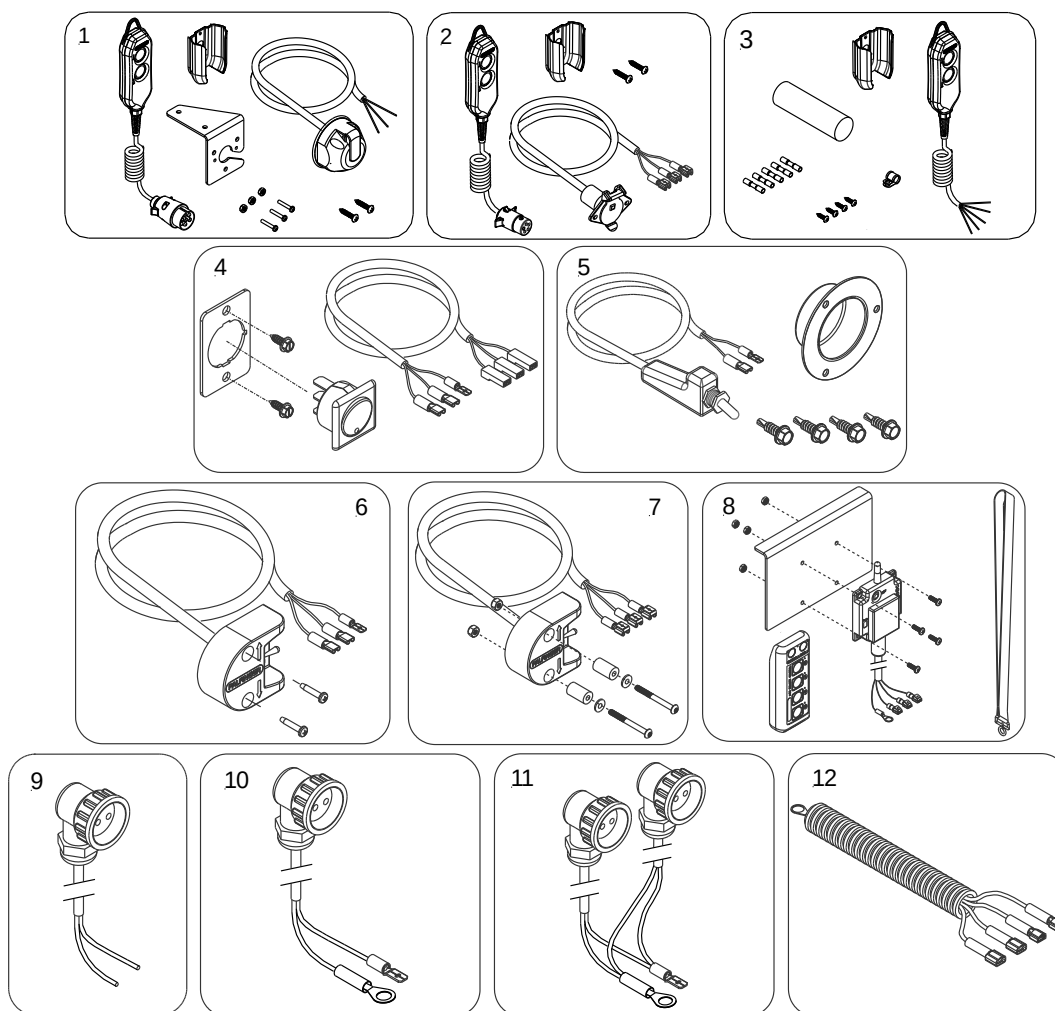
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| <b>17 – ELECTRICAL</b> |                                                       |                    |             |
|------------------------|-------------------------------------------------------|--------------------|-------------|
| <b>No.</b>             | <b>Description</b>                                    | <b>Part No.</b>    | <b>Qty.</b> |
| 1                      | Terminal Stud, 250A, 3/8-16, Red                      | 70-1011-101        | 1           |
| 2                      | Socket Head Cap Screw, 10-24 X 3/4", Zinc             | ES3448             | 2           |
| 3                      | Washer, Flat, #10, Zinc                               | EK3219             | 2           |
| 4                      | Nut, Nylock, 10-24, Gr.5, Zinc                        | EM 697             | 2           |
| 5                      | Nut, Nylock, 3/8-16, Gr. 5, Zinc                      | EM 708             | 1           |
| 6                      | Washer, Flat, 3/8"                                    | EK3216             | 1           |
| 7                      | Strain Relief, 0.67" ID, 0.98" OD                     | 70-1011-102        | 1           |
| 8                      | Battery Cable, 2 Ga X 108" (9 Ft.), 3/8" Holes, Red   | KET06453A          | 1           |
| 9                      | Battery Cable, 2 Ga X 36" (3 Ft.), 3/8" Holes, Black  | 70-1011-104        | 1           |
| 10                     | Battery Cable, 2 Ga X 420" (35 Ft.), 5/16" Holes, Red | KET05637A          | 1           |
| 11                     | Hex Head Cap Screw, 1/4-20x1.0", Gr.5, Zinc           | ES3443             | 1           |
| 12                     | Nut, Nylock, 1/4-20, Gr.5, Zinc                       | EM 713             | 1           |
| 13                     | Hex Head Cap Screw, 5/16-18x1.25", Gr. 5, Zinc        | ES3975             | 2           |
| 14                     | Internal/External-Tooth Lock Washer, 5/16", Zinc      | EK3573             | 2           |
| 15                     | Nut, Nylock, 5/16-18, Gr 5, Zinc                      | EM 710             | 2           |
| <b>16</b>              | <b>Ground Cable Kit, Wire &amp; Hardware, 40 ft.</b>  | <b>70-1015-001</b> | <b>1</b>    |
| 16.1                   | Wire, Battery Cable 2Ga., 40 ft., Black               | KET05701A          | 1           |
| 16.2                   | Hex Head Cap Screw, 5/16-18x1.5", Gr.5, Zinc          | ES3508             | 1           |
| 16.3                   | Nut, Nylock 5/16-18, Gr 5, Zinc                       | EM 710             | 1           |
| 16.4                   | Internal/External-Tooth Lock Washer, 5/16", Zinc      | EK3573             | 1           |
| 17                     | Clamp, Rubber Cushioned, ø3/4"                        | ML1003121          | 2           |

# 18 Trailer/Truck Charge Kits



| <b>18 – TRUCK/TRAILER CHARGE KITS</b> |                                                       |                    |             |
|---------------------------------------|-------------------------------------------------------|--------------------|-------------|
| <b>No.</b>                            | <b>Description</b>                                    | <b>Part No.</b>    | <b>Qty.</b> |
| <b>1</b>                              | <b>Truck Kit, 40ft., Electrical</b>                   | <b>70-1115-100</b> | <b>1</b>    |
| <b>1.1</b>                            | Bus Bar, Copper                                       | KET06537A          | <b>1</b>    |
| <b>1.2</b>                            | Cable, 2GA, 18", 3/8" Lugs, Red                       | KET05919A          | <b>1</b>    |
| <b>1.3</b>                            | Cable, 2GA, 74", 3/8" Lugs, Black                     | KET05925A          | <b>1</b>    |
| <b>1.4</b>                            | Cable, 2GA; 480", 3/8" Lugs, Red                      | KET06314A          | <b>1</b>    |
| <b>1.5</b>                            | Circuit Breaker, 175A, 3/8" Studs, Manual Reset       | 70-8114-009        | <b>1</b>    |
| <b>1.6</b>                            | Circuit Breaker, 175A, 3/8" Studs, Auto Reset         | 70-8114-008        | <b>1</b>    |
| <b>1.7</b>                            | Hex Head Cap Screw, 1/4-20x1.0", Gr.5, Zinc           | ES3443             | <b>2</b>    |
| <b>1.8</b>                            | Nut, Nylock 1/4-20, Zinc                              | EM 722             | <b>2</b>    |
| <b>2</b>                              | <b>Single Pole Kit, Trailer</b>                       | <b>70-1115-101</b> | <b>1</b>    |
| <b>2.1</b>                            | Socket, Single Pole                                   | 70-8015-019        | <b>1</b>    |
| <b>2.2</b>                            | Cable, 2GA, 18", 3/8" Lugs, Red                       | KET05919A          | <b>1</b>    |
| <b>2.3</b>                            | Cable, 2GA, 74", 3/8" Lugs, Black                     | KET05925A          | <b>1</b>    |
| <b>2.4</b>                            | Cable, 2GA; 480", 3/8" Lugs, Red                      | KET06314A          | <b>1</b>    |
| <b>2.5</b>                            | Hex Head Cap Screw, 5/16-18x1"                        | ES3724             | <b>1</b>    |
| <b>2.6</b>                            | Circuit Breaker, 175A, 3/8" Studs, Auto Reset         | 70-8114-008        | <b>1</b>    |
| <b>2.7</b>                            | Washer, Flat, 5/16"                                   | EK3217             | <b>1</b>    |
| <b>2.8</b>                            | Nut, Nylock, 5/16-18                                  | EM 710             | <b>1</b>    |
| <b>2.9</b>                            | Nut, Nylock, 1/4-20 Zinc                              | EM 722             | <b>1</b>    |
| <b>2.10</b>                           | Hex Head Cap Screw, 1/4-20x1.0", Gr.5, Zinc           | ES3443             | <b>1</b>    |
| <b>3</b>                              | <b>Dual Pole Kit, Trailer</b>                         | <b>70-1115-102</b> | <b>1</b>    |
| <b>3.1</b>                            | Socket, Dual Pole                                     | 70-8015-018        | <b>1</b>    |
| <b>3.2</b>                            | Cable, 2GA, 18", 3/8" Lugs, Red                       | KET05919A          | <b>1</b>    |
| <b>3.3</b>                            | Cable, 2GA, 480", 3/8" Lugs, Black                    | KET05701A          | <b>1</b>    |
| <b>3.4</b>                            | Cable, 2GA; 480", 3/8" Lugs, Red                      | KET06314A          | <b>1</b>    |
| <b>3.5</b>                            | Hex Head Cap Screw, 5/16-18x1"                        | ES3724             | <b>1</b>    |
| <b>3.6</b>                            | Circuit Breaker 175A, 3/8" Studs, Auto Reset          | 70-8114-008        | <b>1</b>    |
| <b>3.7</b>                            | Washer, Flat, 5/16"                                   | EK3217             | <b>1</b>    |
| <b>3.8</b>                            | Nut, Nylock, 5/16-18                                  | EM 710             | <b>1</b>    |
| <b>3.9</b>                            | Nut, Nylock, 1/4-20 Zinc                              | EM 722             | <b>1</b>    |
| <b>3.10</b>                           | Hex Head Cap Screw, 1/4-20x1.0", Gr.5, Zinc           | ES3443             | <b>1</b>    |
| <b>4</b>                              | <b>Single &amp; Dual Pole Kit w/Nose Box, Trailer</b> | <b>70-1115-103</b> | <b>1</b>    |
| <b>4.1</b>                            | Nosebox, Single & Dual Pole Socket                    | 70-8015-020        | <b>1</b>    |
| <b>4.2</b>                            | Cable, 2GA, 18", 3/8" Lugs, Red                       | KET05919A          | <b>1</b>    |
| <b>4.3</b>                            | Cable, 2GA, 480", 3/8" Lugs, Black                    | KET05701A          | <b>1</b>    |
| <b>4.4</b>                            | Cable, 2GA; 480", 3/8" Lugs, Red                      | KET06314A          | <b>1</b>    |
| <b>4.5</b>                            | Hex Head Cap Screw, Tapping, 5/16-18x1.25"            | ES3733             | <b>1</b>    |
| <b>4.6</b>                            | Circuit Breaker 175A, 3/8" Studs, Auto Reset          | 70-8114-008        | <b>1</b>    |
| <b>4.7</b>                            | Nut, Nylock 1/4-20 Zinc                               | EM 722             | <b>1</b>    |
| <b>4.8</b>                            | Hex Head Cap Screw, 1/4-20x1.0", Gr.5, Zinc           | ES3443             | <b>1</b>    |
| <b>5</b>                              | Circuit Breaker 175A, 1/4" Studs, Manual Reset        | 70-8115-000        | <b>1</b>    |
| <b>6</b>                              | Circuit Breaker 175A, 1/4" Studs, Auto Reset          | 70-8115-001        | <b>1</b>    |
| <b>7</b>                              | Circuit Breaker 150A, 3/8" Studs, Manual Reset        | 70-8115-002        | <b>1</b>    |
| <b>8</b>                              | Circuit Breaker 150A, 3/8" Studs, Auto Reset          | 70-8115-003        | <b>1</b>    |
| <b>9</b>                              | Circuit Breaker 150A, 1/4" Studs, Manual Reset        | 70-8115-004        | <b>1</b>    |
| <b>10</b>                             | Circuit Breaker 150A, 1/4" Studs, Auto Reset          | 70-8115-005        | <b>1</b>    |

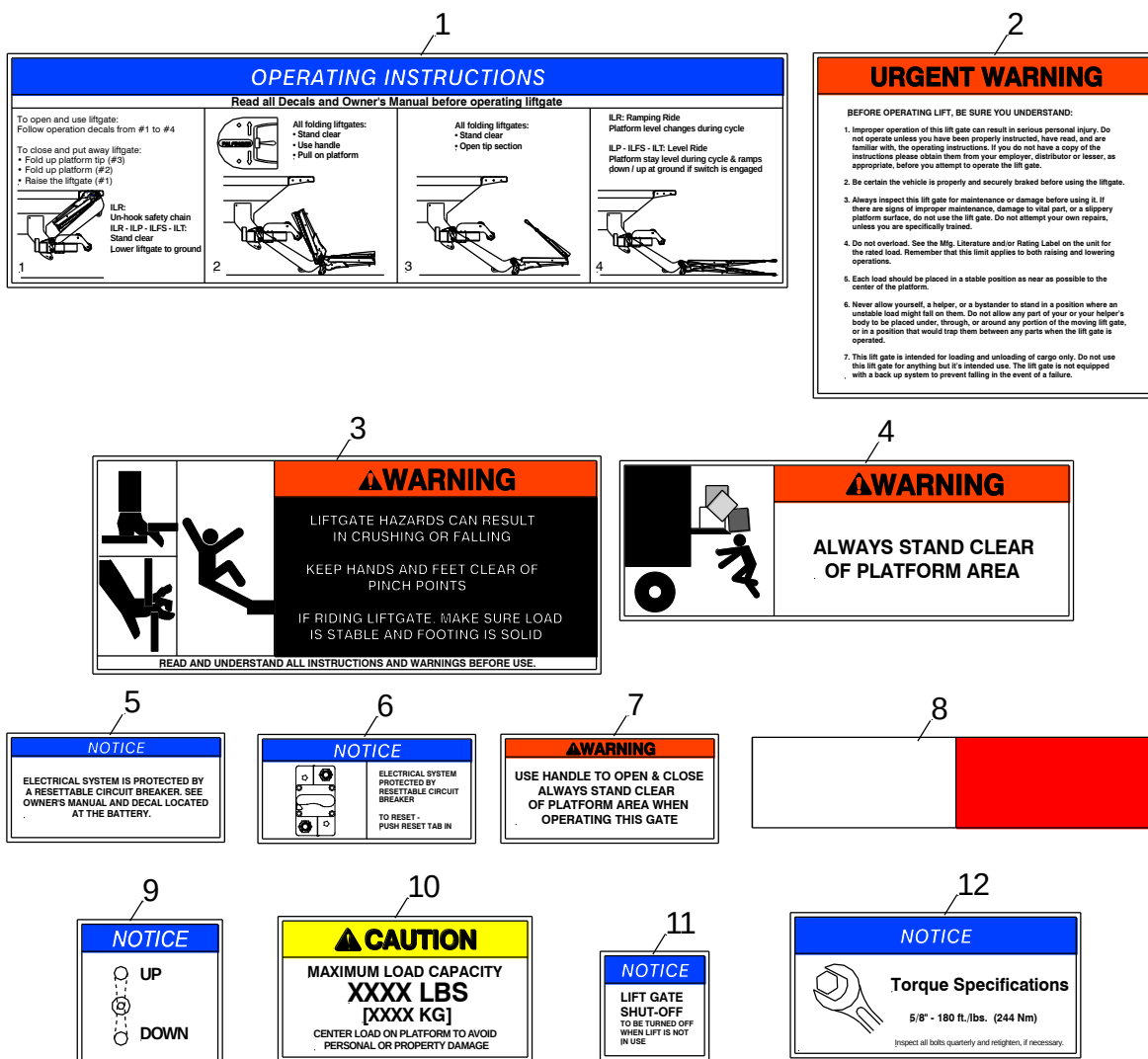
**19 Controls**

| 19 - CONTROLS |                                                                          |             |      |
|---------------|--------------------------------------------------------------------------|-------------|------|
| No.           | Description                                                              | Part No.    | Qty. |
| 1             | 2-Button Hand Control Kit, Plug and Socket, Hella                        | 70-7516-100 | 1    |
| 2             | 2-Button Hand Control Kit, Plug & Socket, Coil Cord                      | 70-7516-009 | 1    |
| 3             | 2-Button Hand Control Kit                                                | 70-7519-020 | 1    |
| 4             | Cab Shut-off Switch Kit                                                  | 70-0312-100 | 1    |
| 5             | Switch, Trailer Kit, ON-OFF                                              | 70-8015-008 | 1    |
| 6             | Toggle Switch Kit, Up/Down, Primary                                      | P-2004565   | 1    |
| 7             | Toggle Switch Kit, Up/Down, Secondary (Optional)                         | 70-8016-050 | 1    |
| 8             | Wireless Remote Kit, 2-Way Operation                                     | 70-8015-006 | 1    |
| 9             | Harness, Solenoid Valve, 4,05m [13 ft.]                                  | P-67254198  | 1    |
| 10            | Cable, Valve, 1,85m [6 ft.]                                              | P-2032874   | 1    |
| 11            | Harness, Solenoid Valve, Double, Spade and Ring Terminals, 2,85m [9 ft.] | P-2028281   | 1    |
| 12            | Harness, Power Down                                                      | 70-1011-100 | 1    |



## 20

## Decals



| 20 - DECALS |                                |              |      |
|-------------|--------------------------------|--------------|------|
| No.         | Description                    | Part No.     | Qty. |
| 1           | Operational Instruction        | ATG-ILR-ILFS | 1    |
| 2           | Urgent Warning Decal           | ATG-URGWA    | 1    |
| 3           | Warning- Liftgate Hazards      | ATG-WLH      | 2    |
| 4           | Warning- Stand Clear           | ATG-PLAT     | 2    |
| 5           | Electrical System              | ATG-RESET    | 1    |
| 6           | Circuit Breaker, Blue          | ATG-BKR      | 1    |
| 7           | Warning, Use Handle To Open    | ATG-WNG      | 1    |
| 8           | Conspicuity Tape, 2"X82", Roll | 85-1114-003  | 1    |
| 9           | Up/Down, MBB OS# 1282134       | ATG-UD       | 1    |
| 10          | Liftgate Capacity              | ATG-XXXX*    | 2    |
| 11          | Liftgate Shut Off              | ATG-CAB      | 1    |
| 12          | Torque Specifications          | 85-1015-000  | 2    |

\*XXXX = LIFTGATE CAPACITY [EXAMPLE PART NUMBER: ATG-2500]

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