



## Electronic Service Manuals

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***Minuteman®***



# **Parts Manual**

## **E Ride 30 Riding Scrubber**

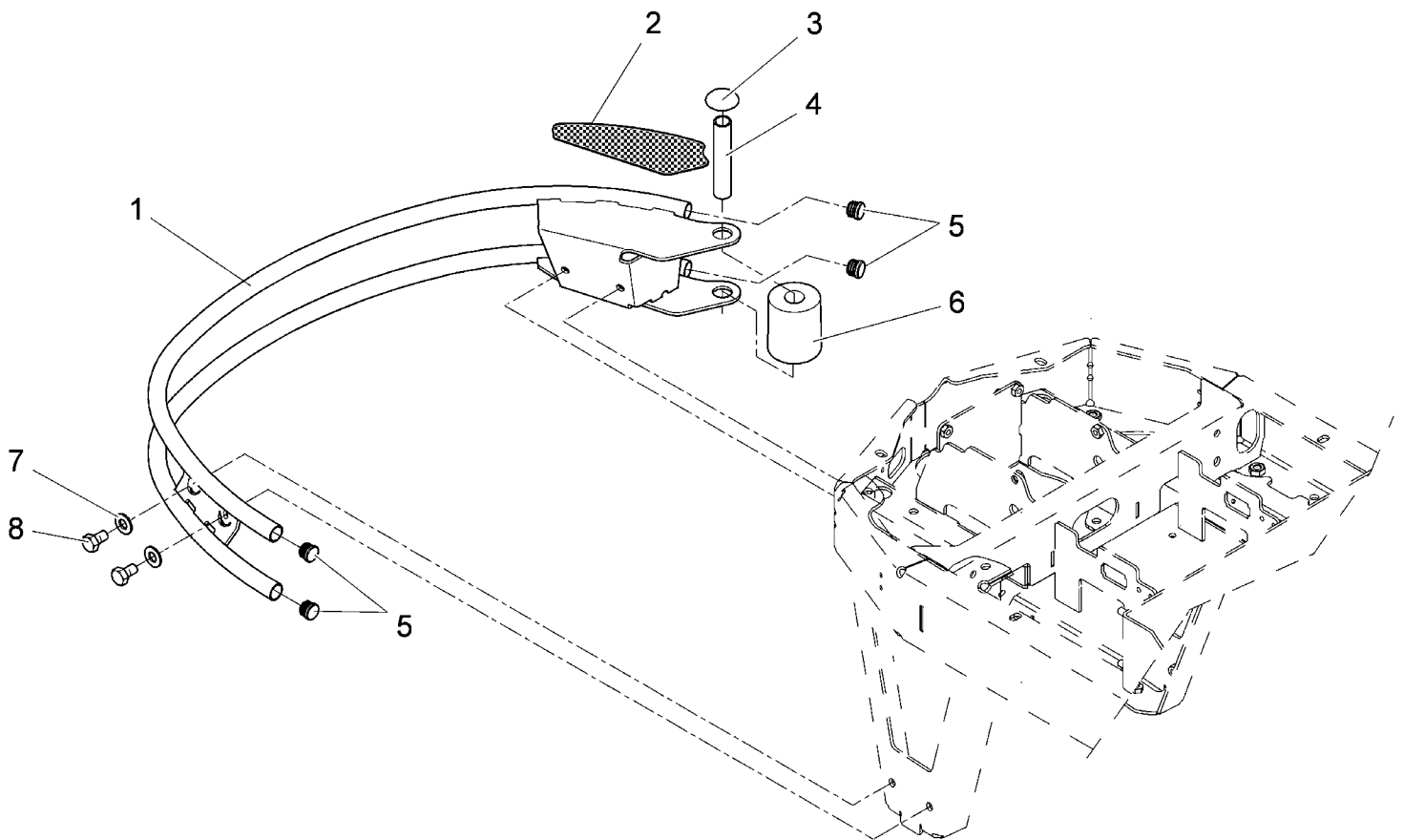
**For Safety When Servicing or Maintaining Machine**

- Stop on level surface.
- Disconnect the power to the machine by pulling the red Battery Connector located under the recovery tank near the batteries.
- Avoid moving parts. Do not wear loose jackets, shirts, or sleeves when working on machine.
- Avoid contact with battery acid. Battery acid can cause burns. When working on or around batteries, wear protective clothing and safety glasses. Remove metal jewelry. Do not lay tools or metal objects on top of batteries.
- Do not clean machine with a pressure washer.
- Authorized personnel must perform repairs and maintenance. Use Minuteman supplied replacement parts.

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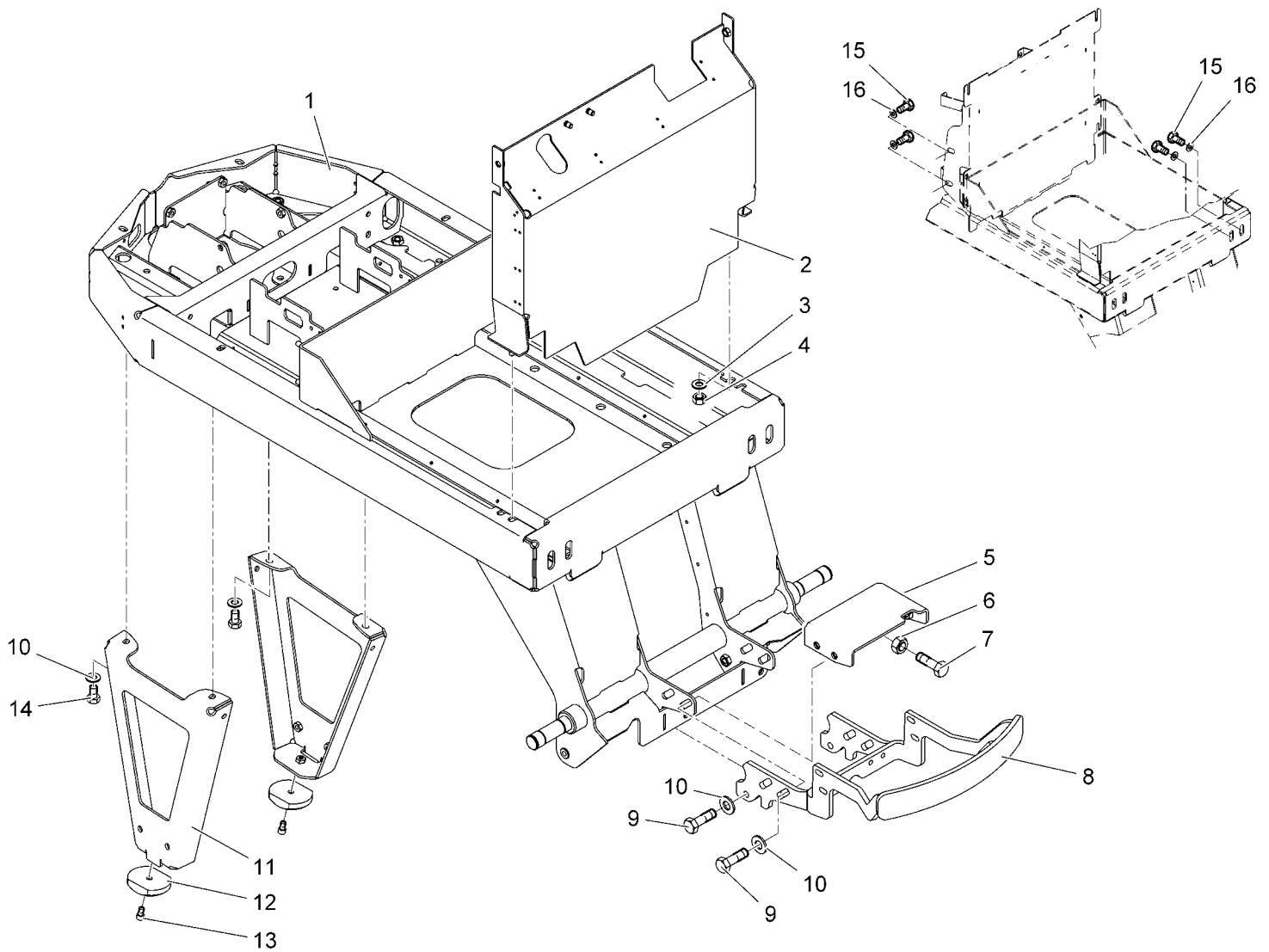
**Front bounce protection**  
Rev.A 05/11



**Front bounce protection (97077952)**  
Rev.A 05/11

| Item | Spare part number | Description         | Qty. | Remarks |
|------|-------------------|---------------------|------|---------|
| 1    | 01071630          | Tube bow            | 1    |         |
| 2    | 01071230          | Decal               | 1    |         |
| 3    | 00072270          | Thrust washer       | 1    |         |
| 4    | 00901590          | Pipe                | 1    |         |
| 5    | 01073310          | Drain plug          | 4    |         |
| 6    | 01057290          | Rejecting role      | 1    |         |
| 7    | 00740090          | Detent edged washer | 2    |         |
| 8    | 00053090          | Hexagon screw       | 2    |         |

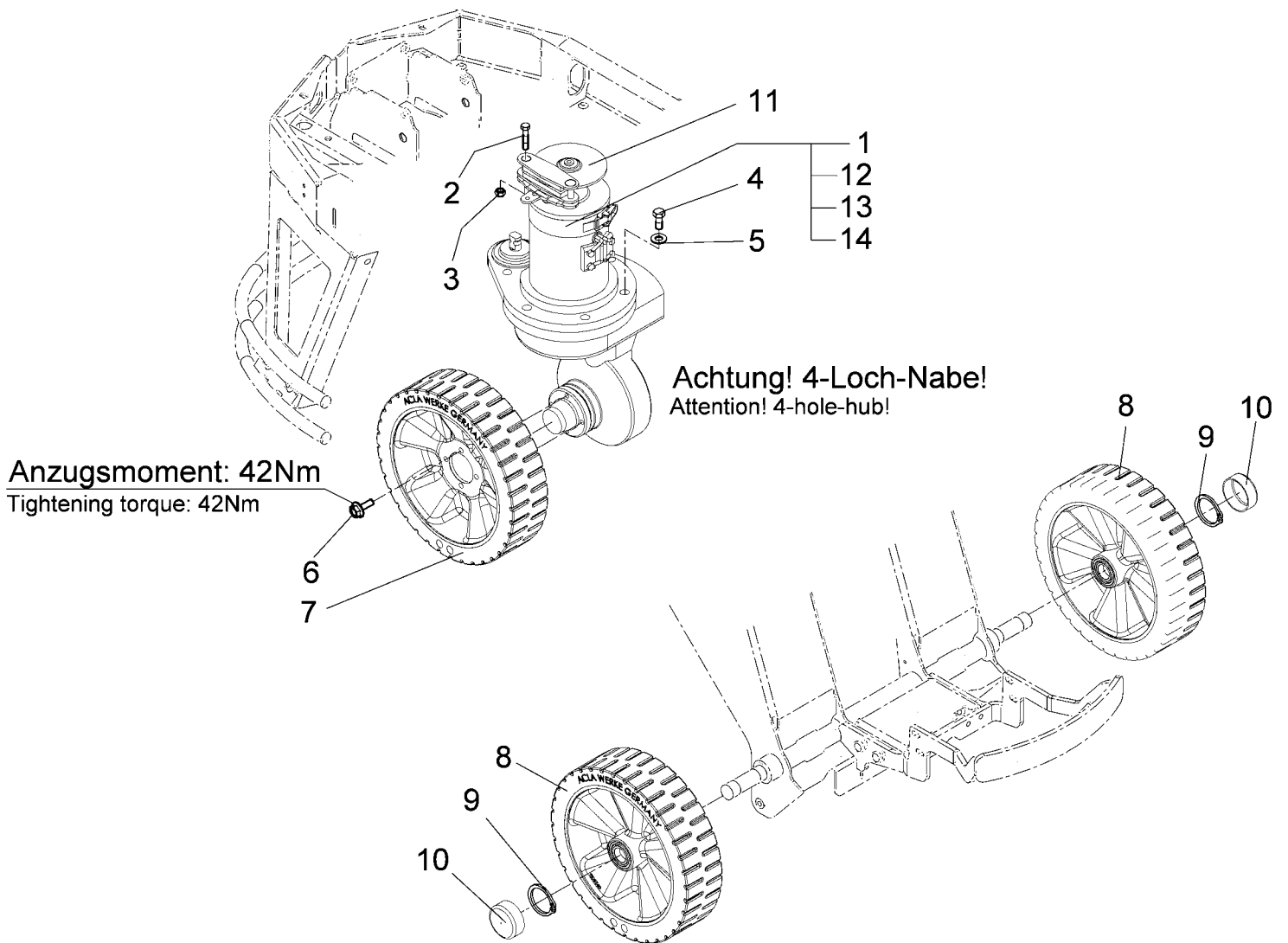
**Chassis**  
Rev.A 05/11



**Chassis (97092233)**  
Rev.A 05/11

| Item | Spare part number | Description                   | Qty. | Remarks |
|------|-------------------|-------------------------------|------|---------|
| 1    | 03006920          | Chassis                       | 1    |         |
| 2    | 03000260          | Sheet metal                   | 1    |         |
| 3    | 00740090          | Detent edged washer           | 4    |         |
| 4    | 00051510          | Hexagon nut                   | 4    |         |
| 5    | 03000270          | Plate, cpl.                   | 1    |         |
| 6    | 00053360          | Hexagon nut                   | 1    |         |
| 7    | 00053170          | Hexagon screw                 | 1    |         |
| 8    | 01071640          | Starting protection rear side | 1    |         |
| 9    | 00053160          | Hexagon screw                 | 4    |         |
| 10   | 00740290          | Detent edged washer           | 8    |         |
| 11   | 01071240          | Support plate                 | 2    |         |
| 12   | 01070970          | Stay                          | 2    |         |
| 13   | 00154410          | Cylinder head screw           | 2    |         |
| 14   | 00021130          | Hex.bolt                      | 4    |         |
| 15   | 00053090          | Hexagon screw                 | 8    |         |
| 16   | 00879170          | Washer                        | 8    |         |

**Wheel suspension**  
Rev.A 05/11



**Wheel suspension (97103725 A 7090-40)**  
**(2008-11-15 -> )**  
**Rev.A 05/11**

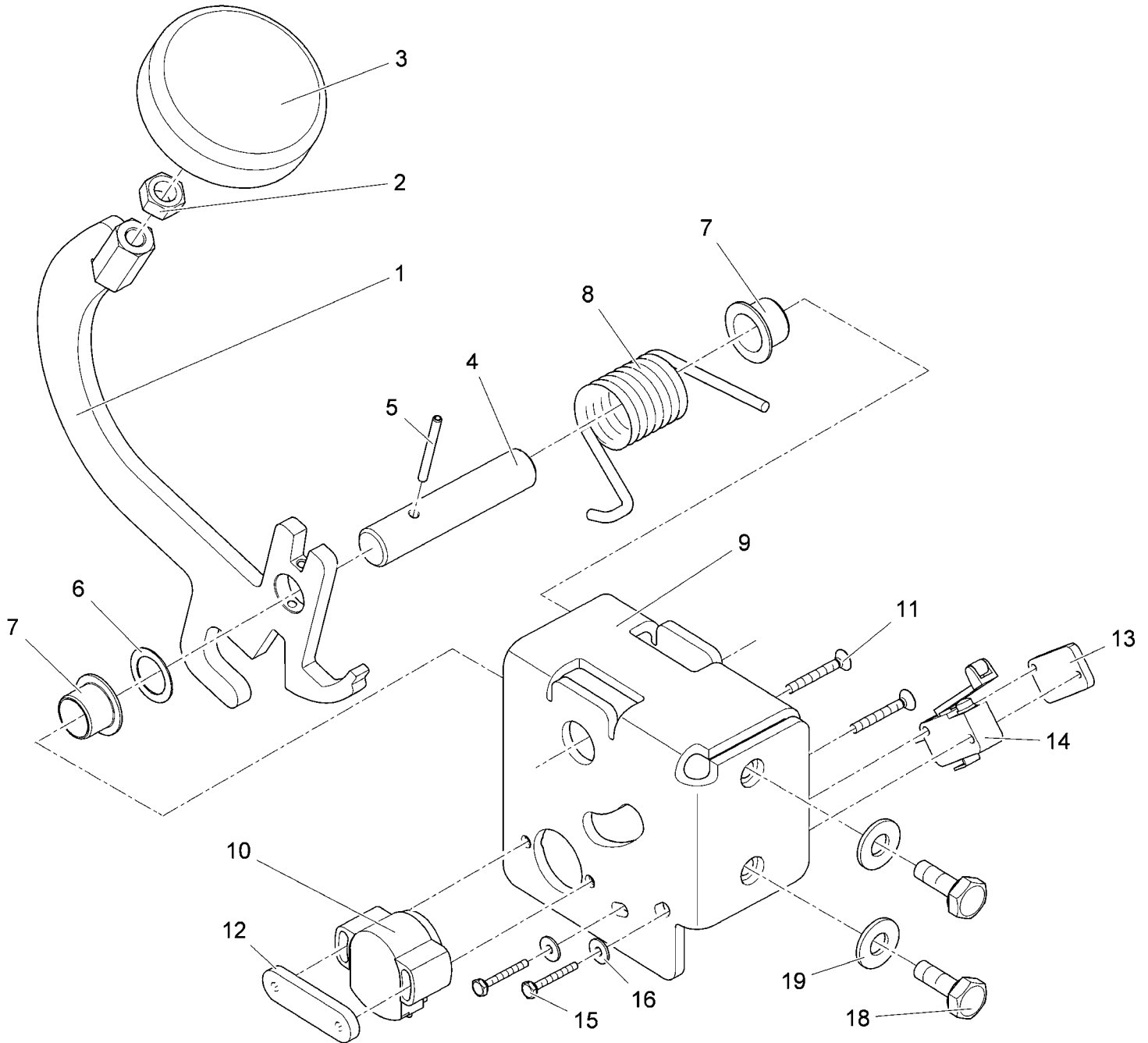
| Item | Spare part number | Description             | Qty. | Remarks                  |
|------|-------------------|-------------------------|------|--------------------------|
| 1    | 01175310          | One wheel drive         | 1    |                          |
| 2    | 00535110          | Hex.bolt                | 2    |                          |
| 3    | 00051520          | Hexagon nut             | 2    |                          |
| 4    | 00055460          | Hex.bolt                | 6    |                          |
| 5    | 00740290          | Detent edged washer     | 6    |                          |
| 6    | 01171260          | Hexagon screw           | 4    | Tightening torque: 42 Nm |
| 7    | 01175320          | Wheel                   | 1    |                          |
| 8    | 01071650          | Wheel                   | 2    |                          |
| 9    | 00022460          | Retaining ring          | 2    |                          |
| 10   | 01171530          | Cap                     | 2    |                          |
| 11   | 01073660          | Brake repair set        | 1    |                          |
| 12   | 01075790          | Set (4pc.) carbon brush | 1    |                          |
| 13   | 01174180          | Cap                     | 1    |                          |
| 14   | 01174190          | Protecting ring         | 1    |                          |



**Steering console - Dash boards (97100796-97077002)**  
Rev.A 05/11

| Item | Spare part number | Description            | Qty. | Remarks                                         |
|------|-------------------|------------------------|------|-------------------------------------------------|
| 1    | 01073070          | Steering               | 1    |                                                 |
| 2    | 01070980          | Seal                   | 1    |                                                 |
| 3    | 01071660          | Sheet metal            | 1    |                                                 |
| 4    | 00712220          | Control panel standard | 1    |                                                 |
| 5    | 01175790          | Control module         | 1    |                                                 |
| 6    | 01071670          | Sheet metal            | 1    |                                                 |
| 7    | 01070990          | Seal                   | 1    |                                                 |
| 8    | 01073320          | Rotary switch          | 1    | from option 7091: Warning light "Forward drive" |
| 9    | 00697630          | Switch                 | 1    |                                                 |
| 10   | 00133770          | Press switch           | 1    |                                                 |
| 11   | 00021710          | Key switch             | 2    |                                                 |
| 12   | 00745890          | Set (2pc.) key         | 1    |                                                 |
| 13   | XXXXXXXX          | no part-No. til yet    | 1    | 90535972 Cap                                    |
| 14   | 01072790          | Truss head screw       | 17   |                                                 |
| 15   | 01170930          | Hood                   | 1    |                                                 |
| 16   | 00157690          | Annular plate          | 6    |                                                 |
| 17   | 00154680          | Countersunk screw      | 1    |                                                 |
| 18   | 01071680          | Bottom plate           | 1    |                                                 |
| 19   | 01073120          | Amtec screw            | 6    |                                                 |
| 20   | 01073130          | Knob                   | 6    |                                                 |
| 21   | 00740080          | Washer                 | 4    |                                                 |
| 22   | 00053080          | Hexagon screw          | 1    |                                                 |
| 23   | 01072000          | Seal                   | 1    |                                                 |
| 24   | 01074110          | Rubber cap             | 1    |                                                 |
| 25   | 00740360          | Cable sleeve           | 1    |                                                 |

**Accelerator pedal**  
Rev.A 05/11

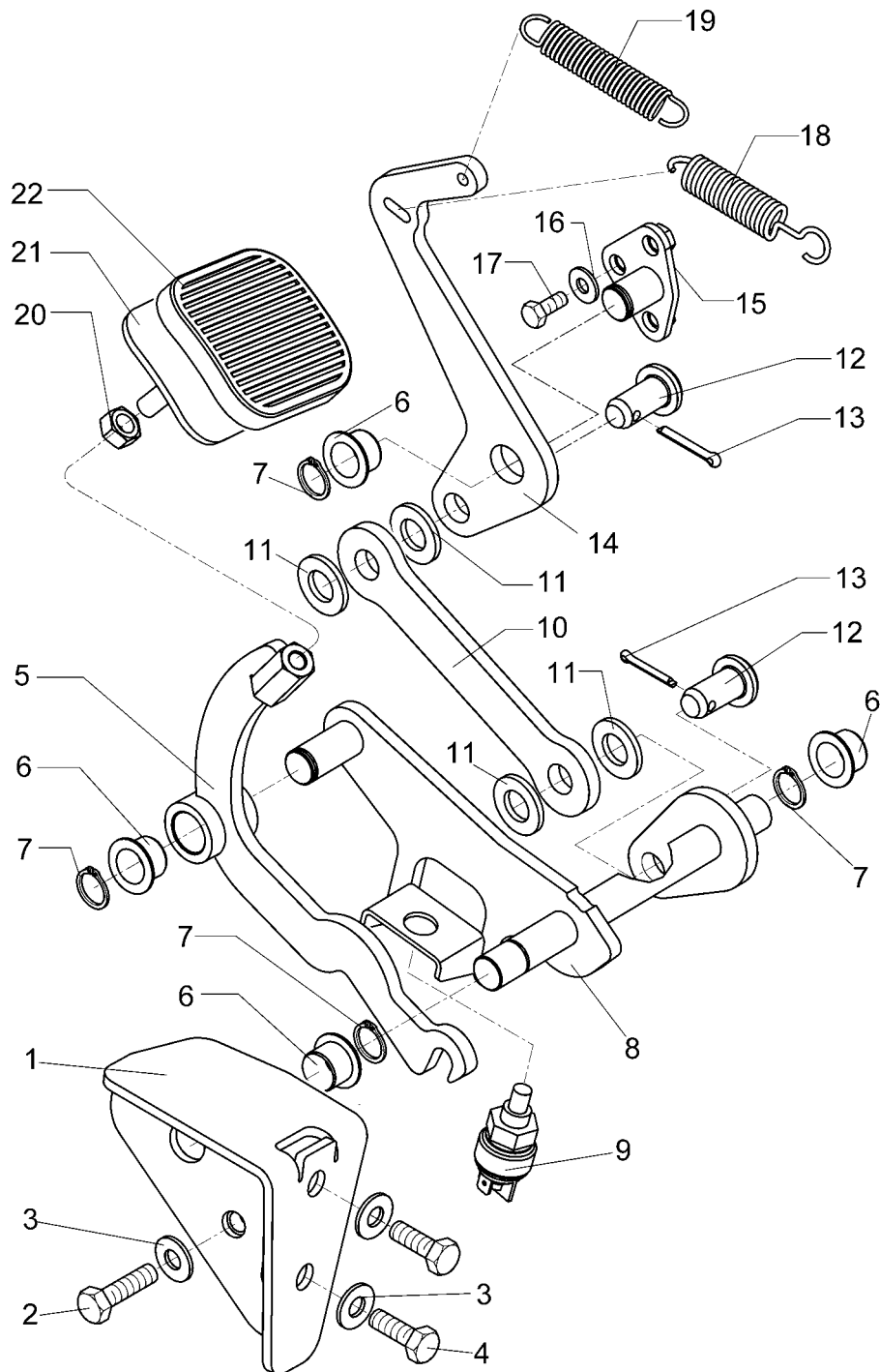


**Accelerator pedal (97073688)**  
**(2003-05-01 -> )**  
**Rev.A 05/11**



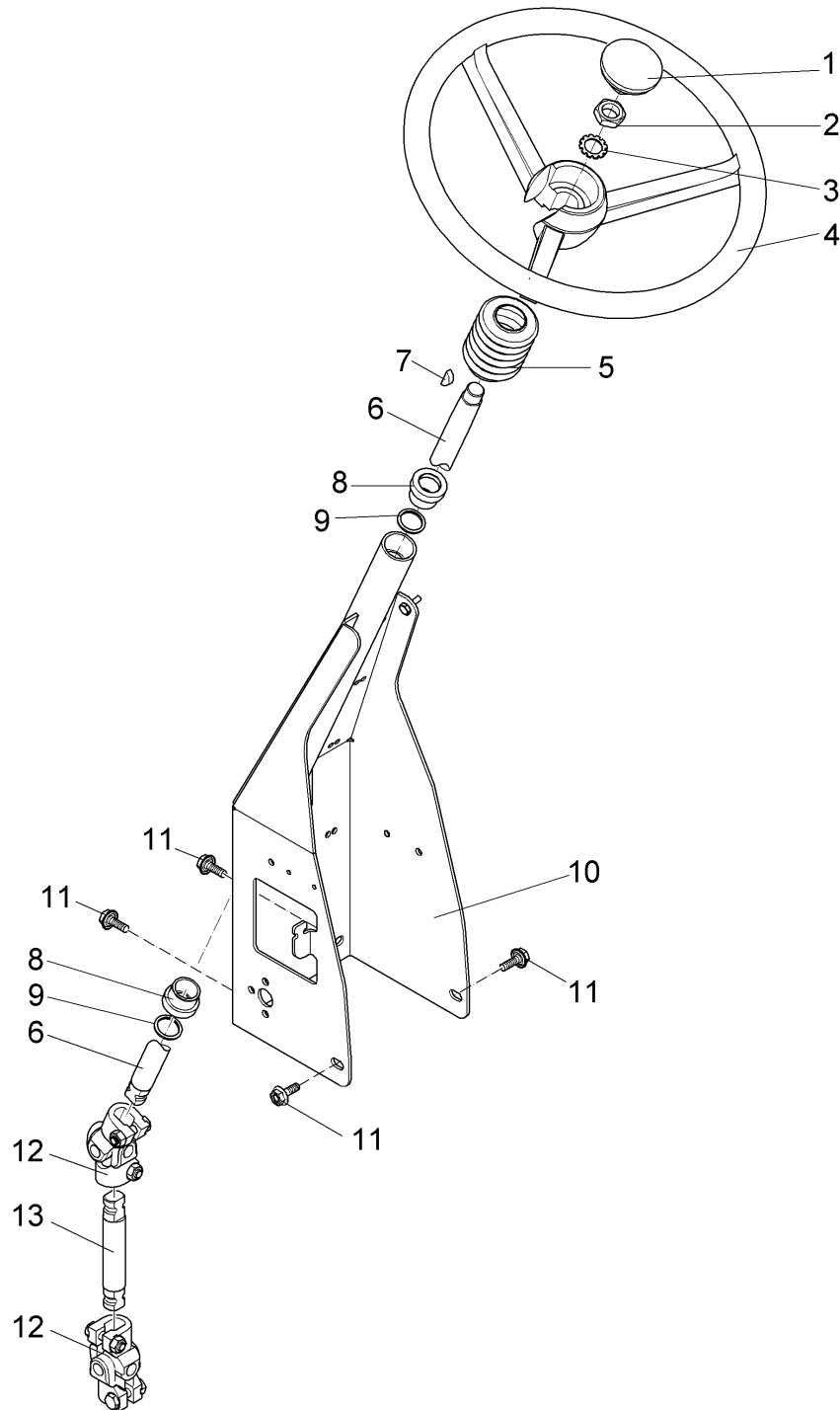
| Item | Spare part number | Description         | Qty. | Remarks |
|------|-------------------|---------------------|------|---------|
| 1    | 01071260          | Cam                 | 1    |         |
| 2    | 00053350          | Hexagon nut         | 1    |         |
| 3    | 01071270          | Sealing cover       | 1    |         |
| 4    | 01071280          | Shaft               | 1    |         |
| 5    | 01073260          | Dowel pin           | 1    |         |
| 6    | 00906020          | Adjusting washer    | 1    |         |
| 7    | 01058400          | Plain bearing bush  | 2    |         |
| 8    | 01073140          | Leg spring          | 1    |         |
| 9    | 03000300          | U-bow               | 1    |         |
| 10   | 01058390          | Potentiometer, cpl. | 1    |         |
| 11   | 00737690          | Countersunk screw   | 1    |         |
| 12   | 01074850          | Thread base plate   | 1    |         |
| 13   | 01074840          | Thread base plate   | 1    |         |
| 14   | 00975510          | Micro switch        | 2    |         |
| 15   | 00022180          | Hex.bolt            | 2    |         |
| 16   | 00747400          | Washer              | 2    |         |
| 18   | 00053090          | Hexagon screw       | 2    |         |
| 19   | 00740090          | Detent edged washer | 2    |         |

**Pedal, brake - Parking brake**  
Rev.A 05/11



**Pedal, brake - Parking brake (97075386)**  
Rev.A 05/11

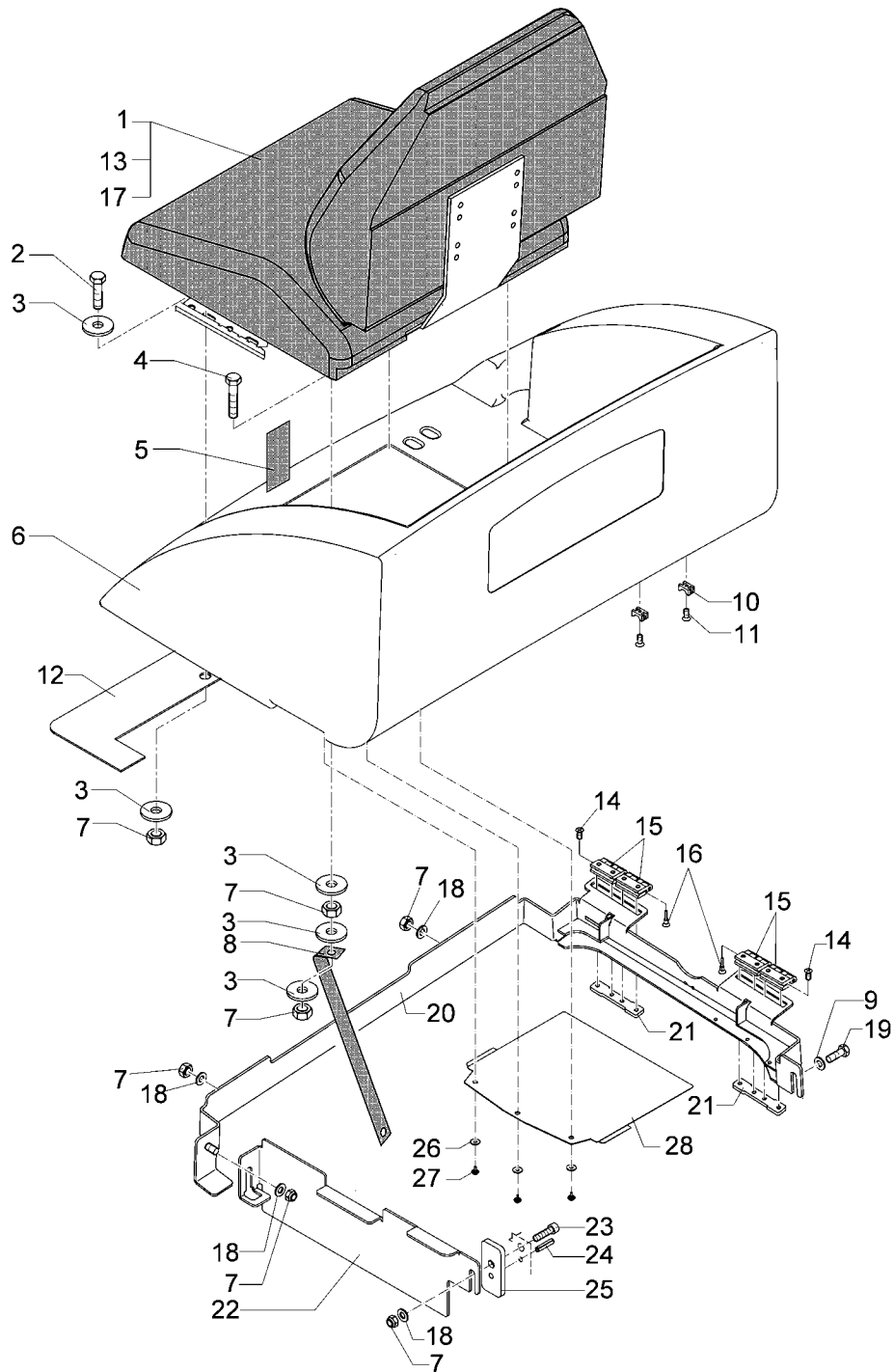
| Item | Spare part number | Description         | Qty. | Remarks |
|------|-------------------|---------------------|------|---------|
| 1    | 03000310          | Angle, cpl.         | 1    |         |
| 2    | 00053110          | Hexagon screw       | 1    |         |
| 3    | 00740090          | Detent edged washer | 3    |         |
| 4    | 00053090          | Hexagon screw       | 2    |         |
| 5    | 01071290          | Lever               | 1    |         |
| 6    | 01058400          | Plain bearing bush  | 5    |         |
| 7    | 00022440          | Retaining ring      | 4    |         |
| 8    | 01071300          | Lever               | 1    |         |
| 9    | 00028680          | Stop light switch   | 1    |         |
| 10   | 01071310          | Bracket             | 1    |         |
| 11   | 00053770          | Washer              | 4    |         |
| 12   | 00901510          | Bolt                | 2    |         |
| 13   | 00553580          | Cotter pin          | 2    |         |
| 14   | 01071320          | Lever               | 1    |         |
| 15   | 01071330          | Pin                 | 1    |         |
| 16   | 00730940          | Detent edged washer | 3    |         |
| 17   | 00104500          | Hexagon screw       | 3    |         |
| 18   | 00127400          | Tension spring      | 1    |         |
| 19   | 00851210          | Tension spring      | 1    |         |
| 20   | 00053350          | Hexagon nut         | 1    |         |
| 21   | 01071340          | Pedal plate         | 1    |         |
| 22   | 01071350          | Pedal rubber        | 1    |         |



**Steering (97073738)**  
Rev.A 05/11

| Item | Spare part number | Description           | Qty. | Remarks |
|------|-------------------|-----------------------|------|---------|
| 1    | 01140650          | Cap                   | 1    |         |
| 2    | 00074350          | Hex. Nut              | 1    |         |
| 3    | 00075290          | Toothed washer        | 1    |         |
| 4    | 00770220          | Steering wheel        | 1    |         |
| 5    | 01054880          | Bellows               | 1    |         |
| 6    | 00980760          | Shaft                 | 1    |         |
| 7    | 00153600          | Woodruff key          | 1    |         |
| 8    | 00523630          | Bushing               | 2    |         |
| 9    | 00554400          | O-ring oil resistant  | 2    |         |
| 10   | 03000320          | Holder steering wheel | 1    |         |
| 11   | 00959310          | Hex.bolt              | 4    |         |
| 12   | 00746040          | Cardan joint          | 2    |         |
| 13   | 00975430          | Shaft                 | 1    |         |

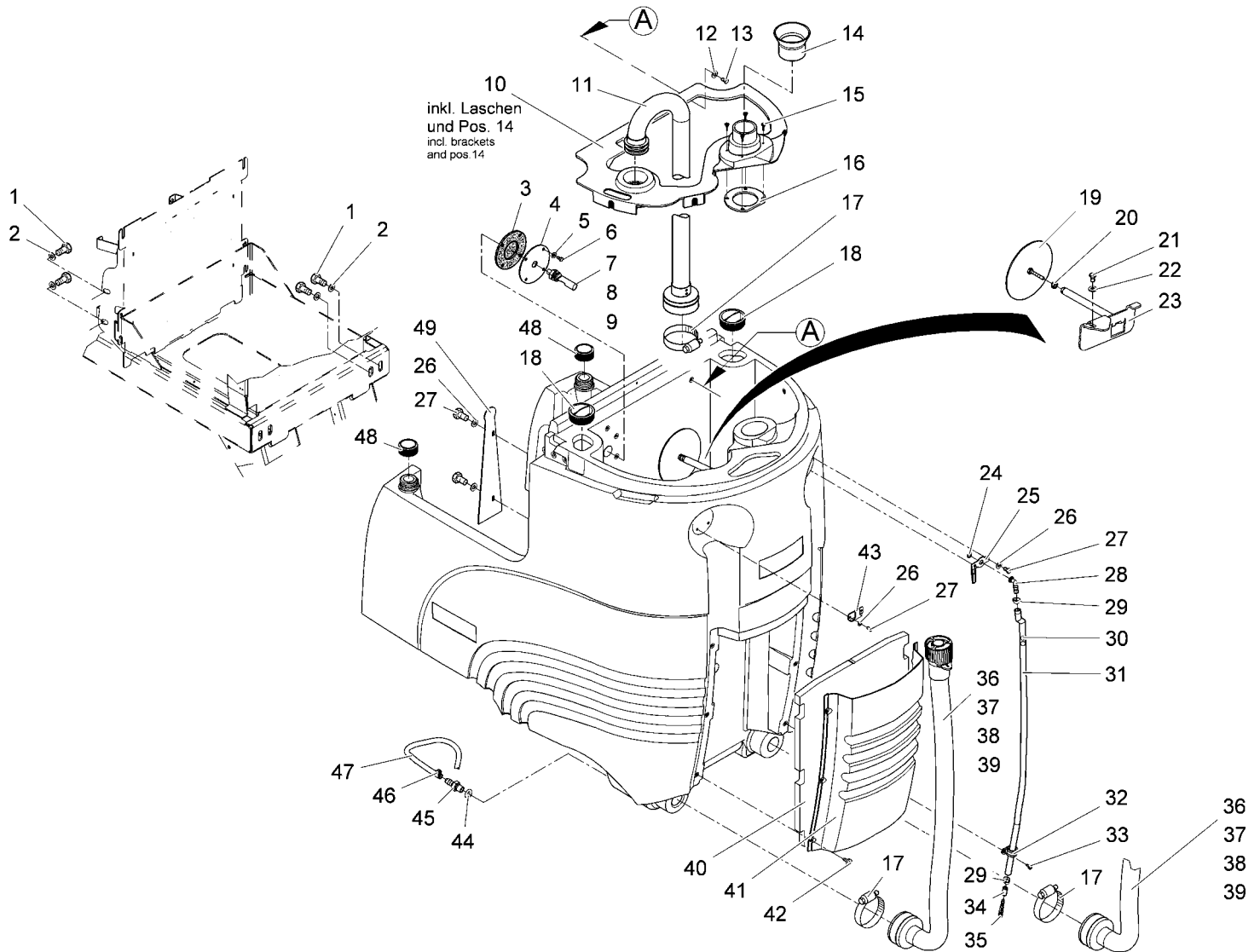
**Seat bracket**  
Rev.A 05/11



**Seat bracket (97107684)**  
Rev.A 05/11

| Item | Spare part number | Description                | Qty. | Remarks                                       |
|------|-------------------|----------------------------|------|-----------------------------------------------|
| 1    | 01071360          | Seat                       | 1    |                                               |
| 2    | 00133700          | Hexagon screw              | 3    |                                               |
| 3    | 00042900          | Washer                     | 6    |                                               |
| 4    | 00053260          | Hex.bolt                   | 1    |                                               |
| 5    | 01071710          | Decal "Instruction manual" | 1    |                                               |
| 6    | 03009060          | Seat console               | 1    |                                               |
| 6    | 03000330          | Seat console               | 1    |                                               |
| 7    | 00051510          | Hexagon nut                | 9    |                                               |
| 8    | 01055740          | Belt                       | 1    |                                               |
| 9    | 00740090          | Detent edged washer        | 1    |                                               |
| 10   | 00780710          | Socket                     | 2    |                                               |
| 11   | 00127340          | Tapping screw              | 2    |                                               |
| 12   | 03000630          | Plate contact              | 1    |                                               |
| 13   | 01073290          | Micro switch               | 1    |                                               |
| 14   | 00073160          | Countersunk screw          | 8    |                                               |
| 15   | 00029230          | Hinge                      | 4    |                                               |
| 16   | 01063420          | Self tapping screw         | 8    |                                               |
| 17   | XXXXXXXX          | no part-No. til yet        | 1    | Chair cushion SC76 incl. seat switch 01073290 |
| 18   | 00053750          | Washer                     | 4    |                                               |
| 19   | 00053090          | Hexagon screw              | 1    |                                               |
| 20   | 03000340          | Plate                      | 1    |                                               |
| 21   | 01072970          | Adjusting latch            | 2    |                                               |
| 22   | 03000620          | Intermediate sheet         | 1    |                                               |
| 23   | 00103300          | Socket head screw          | 1    |                                               |
| 24   | 00107140          | Dowel pin                  | 1    |                                               |
| 25   | 01072960          | Adjusting latch            | 1    |                                               |
| 26   | 00557150          | Washer                     | 3    |                                               |
| 27   | 01170850          | Screw                      | 3    |                                               |
| 28   | 01078280          | Bag                        | 1    |                                               |

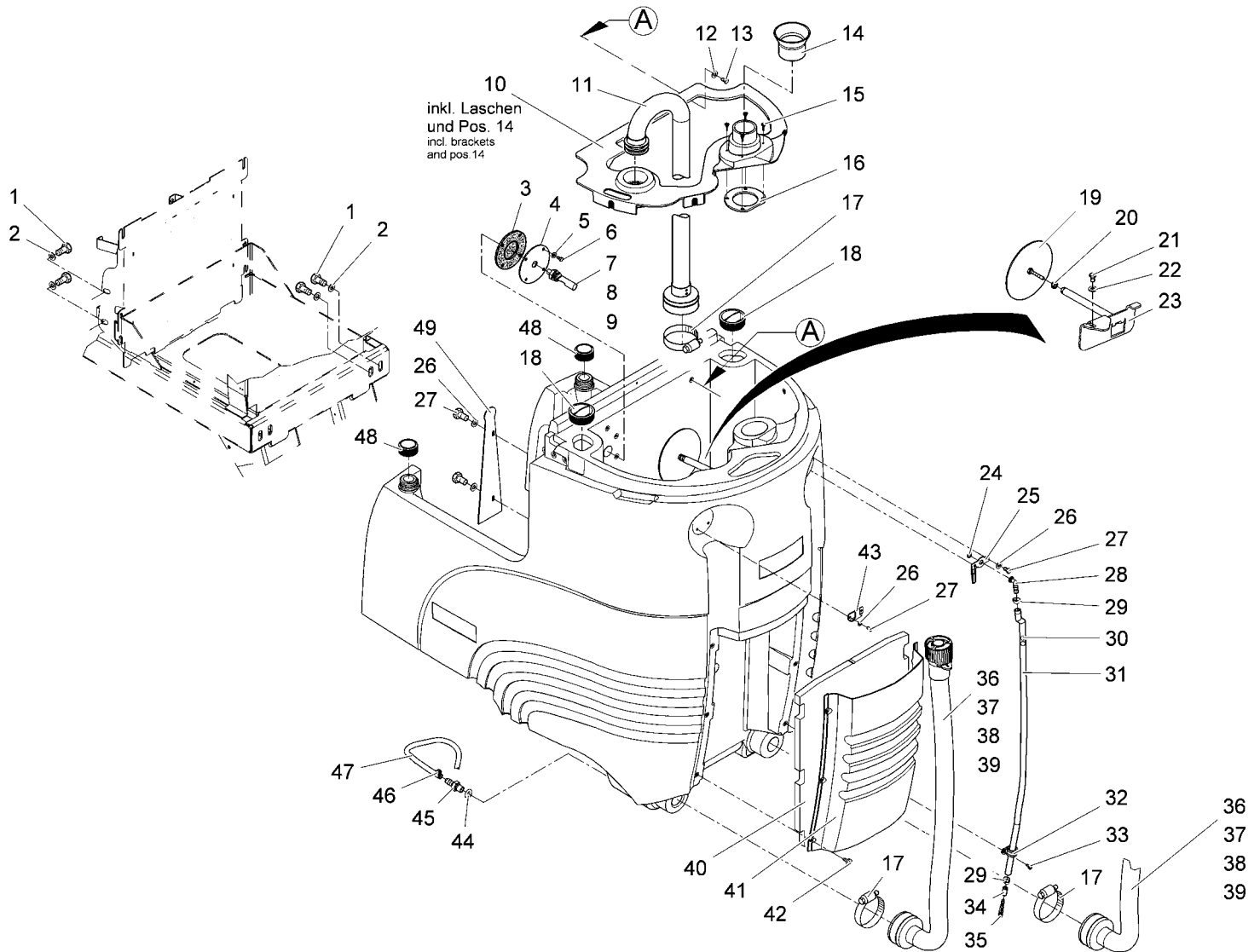
**Tank (Available! No.: 03009040)**  
Rev.A 05/11



**Tank (Available! No.: 03009040) (03009040)**  
Rev.A 05/11

| Item | Spare part number | Description          | Qty.  | Remarks |
|------|-------------------|----------------------|-------|---------|
| 1    | 00053090          | Hexagon screw        | 8     |         |
| 2    | 00879170          | Washer               | 8     |         |
| 3    | 03000360          | Sheet metal          | 1     |         |
| 4    | 01070910          | Seal                 | 1     |         |
| 5    | 00102150          | Washer               | 4     |         |
| 6    | 01071890          | Hex.bolt             | 4     |         |
| 7    | 00861620          | Float switch         | 1     |         |
| 8    | 00903180          | Plastic cover        | 1     |         |
| 9    | 00903170          | Tab                  | 1     |         |
| 10   | 01076000          | Swash guard          | 1     |         |
| 11   | 01075980          | Hose                 | 1     |         |
| 12   | 00854210          | Washer               | 5     |         |
| 13   | 01071890          | Hex.bolt             | 5     |         |
| 14   | 01076650          | Connection           | 1     |         |
| 15   | 01179350          | Screw                | 4     |         |
| 16   | 01075990          | Gasket               | 1     |         |
| 17   | 00736200          | Hose clamp           | 3     |         |
| 18   | 01075490          | plug                 | 2     |         |
| 19   | 03000380          | Pressure plate       | 1     |         |
| 20   | 00971400          | Hexagon nut          | 1     |         |
| 21   | 01071740          | Hex.bolt             | 1     |         |
| 22   | 00902280          | Washer               | 1     |         |
| 23   | 03000370          | Support, cpl.        | 1     |         |
| 24   | 00045750          | O-ring oil resistant | 1     |         |
| 25   | 01171470          | Hose support         | 1     |         |
| 26   | 00053720          | Washer               | 3     |         |
| 27   | 00054680          | Hex.bolt             | 3     |         |
| 28   | 01171490          | Angle socket         | 1     |         |
| 29   | 01171480          | Hose clamp           | 1     |         |
| 30   | 01072170          | Ball                 | 2     |         |
| 31   | 01071790          | Hose                 | 780mm |         |
| 32   | 00130250          | Pipe clamp           | 1     |         |
| 33   | 00051320          | Fillister-head screw | 1     |         |
| 34   | 01064890          | Hose                 | 20 mm |         |

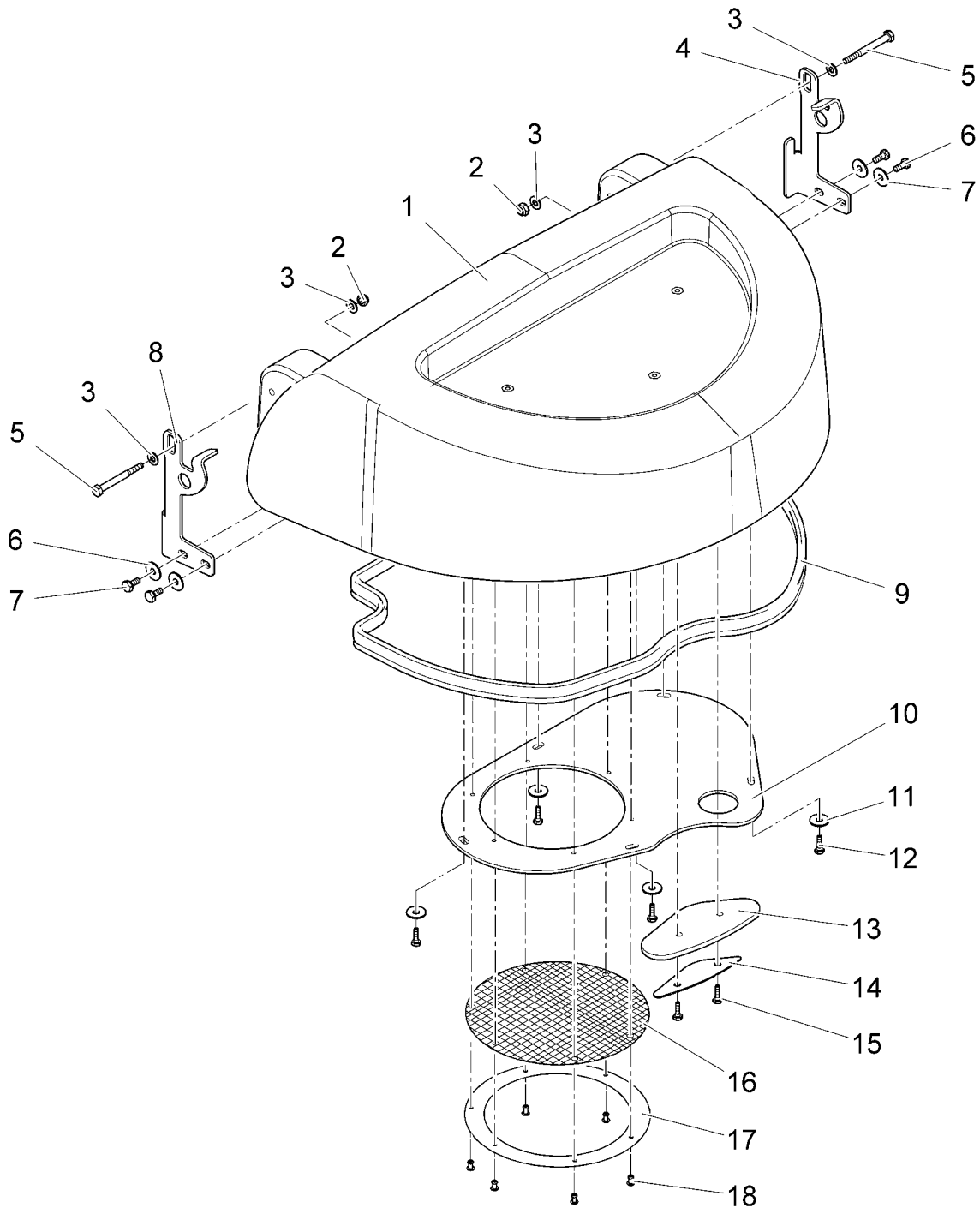
**Tank (Available! No.: 03009040)**  
Rev.A 05/11



**Tank (Available! No.: 03009040) (03009040)**  
 Rev.A 05/11

| Item | Spare part number | Description                  | Qty.  | Remarks |
|------|-------------------|------------------------------|-------|---------|
| 35   | 01161210          | Reducing fitting             | 1     |         |
| 36   | 01072160          | Hose, cpl.                   | 2     |         |
| 37   | 00906110          | Cover                        | 2     |         |
| 38   | 00906100          | Fillister-head screw         | 4     |         |
| 39   | 00107270          | O-ring                       | 2     |         |
| 40   | 01072150          | Insulating mat               | 1     |         |
| 41   | 01173620          | Cover                        | 1     |         |
| 42   | 00556950          | Fillister-head screw         | 6     |         |
| 43   | 00903160          | Hook                         | 1     |         |
| 44   | 00057720          | O-ring oil resistant         | 1     |         |
| 45   | 01072180          | Screwing in connecting piece | 1     |         |
| 46   | 00056960          | Clamp                        | 1     |         |
| 47   | 00711670          | Hose                         | 68 lg |         |
| 48   | 01072130          | Cover                        | 2     |         |
| 49   | 03000390          | Sheet metal                  | 1     |         |

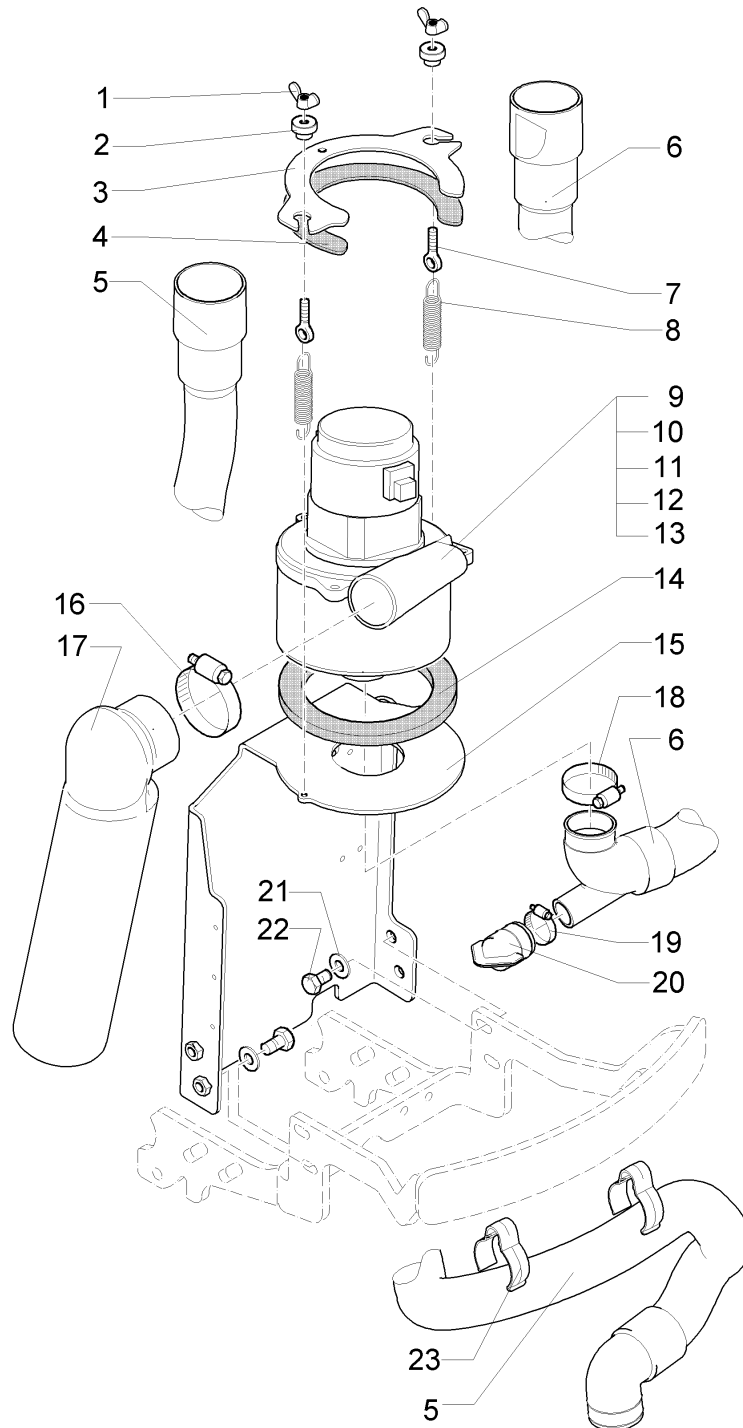
**Hopper cover**  
Rev.A 05/11



Hopper cover (97078505)  
 (2004-01-01 -> )  
 Rev.A 05/11

| Item | Spare part number | Description     | Qty.   | Remarks |
|------|-------------------|-----------------|--------|---------|
| 1    | 01170940          | Cover, cpl.     | 1      |         |
| 2    | 00051510          | Hexagon nut     | 2      |         |
| 3    | 00053750          | Washer          | 4      |         |
| 4    | 01071730          | Sheet metal     | 1      |         |
| 5    | 00153400          | Hex.bolt        | 2      |         |
| 6    | 01071740          | Hex.bolt        | 4      |         |
| 7    | 00902280          | Washer          | 4      |         |
| 8    | 01071720          | Sheet metal     | 1      |         |
| 9    | 01071770          | Sealing profile | 1780mm |         |
| 10   | 01170950          | Plate           | 1      |         |
| 11   | 00854210          | Washer          | 7      |         |
| 12   | 01071750          | Hexagon screw   | 5      |         |
| 13   | 01075580          | Gasket          | 1      |         |
| 14   | 01075590          | Sheet metal     | 1      |         |
| 15   | 00854190          | Hexagon screw   | 2      |         |
| 16   | 01070920          | Strainer        | 1      |         |
| 17   | 03000440          | Flange          | 1      |         |
| 18   | 01073330          | Rivet           | 6      |         |

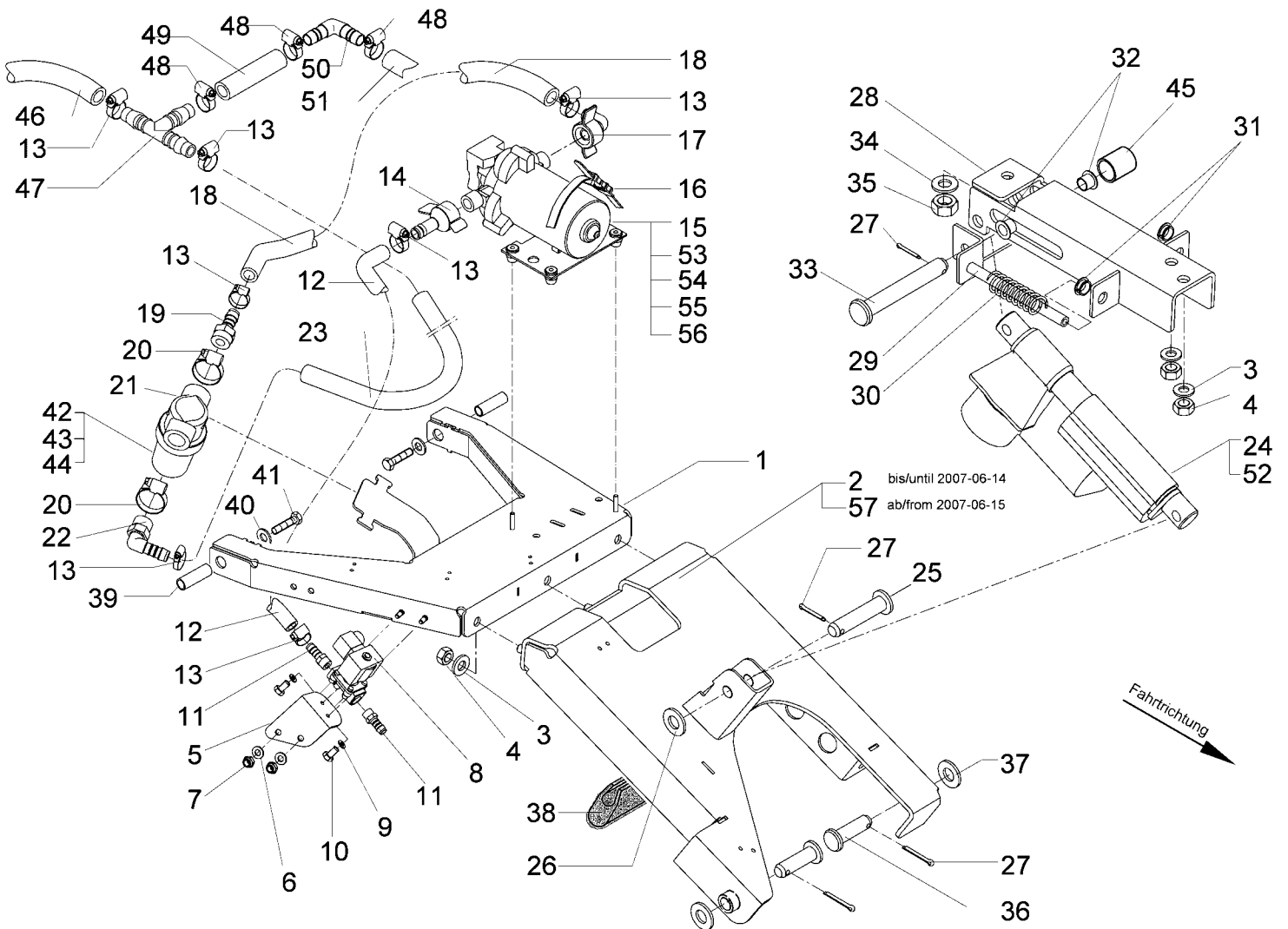
**Suction unit**  
Rev.A 05/11



**Suction unit (97079370)**  
Rev.A 05/11

| Item | Spare part number | Description          | Qty. | Remarks |
|------|-------------------|----------------------|------|---------|
| 1    | 00054020          | Wing nut             | 2    |         |
| 2    | 00903210          | Knurled nut          | 2    |         |
| 3    | 01071540          | Clamping sheet metal | 1    |         |
| 4    | 01071550          | Seal                 | 1    |         |
| 5    | 01071560          | Hose                 | 1    |         |
| 6    | 01071570          | Hose                 | 1    |         |
| 7    | 00508770          | Eye bolt             | 2    |         |
| 8    | 00109410          | Tension spring       | 2    |         |
| 9    | 00543510          | Induction engine     | 1    |         |
| 10   | 00904050          | Toroidal core        | 1    |         |
| 11   | 00903190          | Tab                  | 1    |         |
| 12   | 00903180          | Plastic cover        | 1    |         |
| 13   | 00048840          | Carbon brush         | 2    |         |
| 14   | 01071580          | Seal                 | 1    |         |
| 15   | 03000450          | Support, cpl.        | 1    |         |
| 16   | 00732130          | Hose clamp           | 1    |         |
| 17   | 00471570          | Hose                 | 1    |         |
| 18   | 01071810          | Hose clamp           | 1    |         |
| 19   | 00733160          | Hose clamp           | 1    |         |
| 20   | 00054560          | Valve                | 1    |         |
| 21   | 00740090          | Detent edged washer  | 4    |         |
| 22   | 00077110          | Hexagon screw        | 4    |         |
| 23   | 01071590          | Hose clip            | 2    |         |

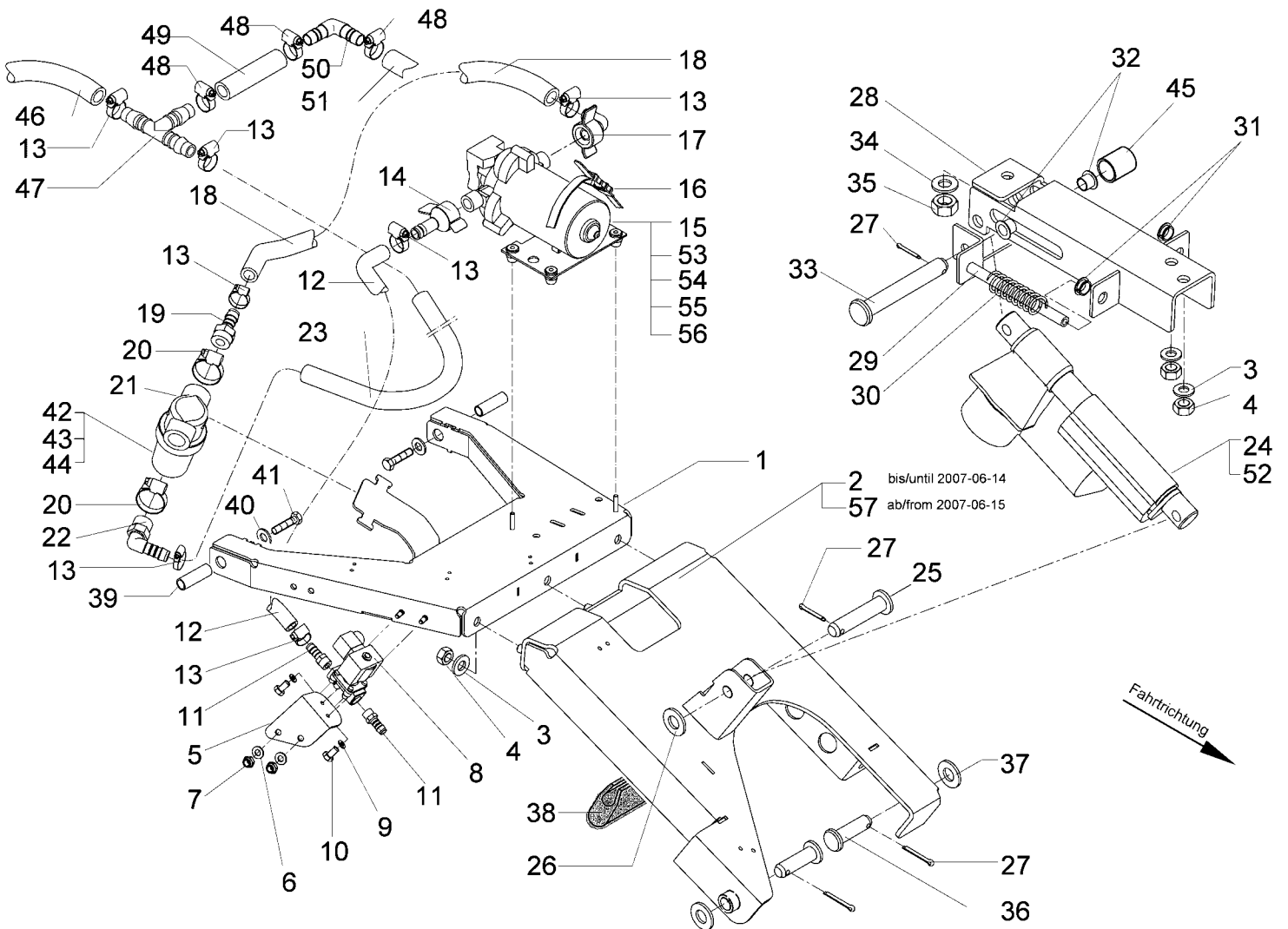
**Brush lifter**  
Rev.A 05/11



Brush lifter (97092829)  
(2003-05-01 -> )  
Rev.A 05/11

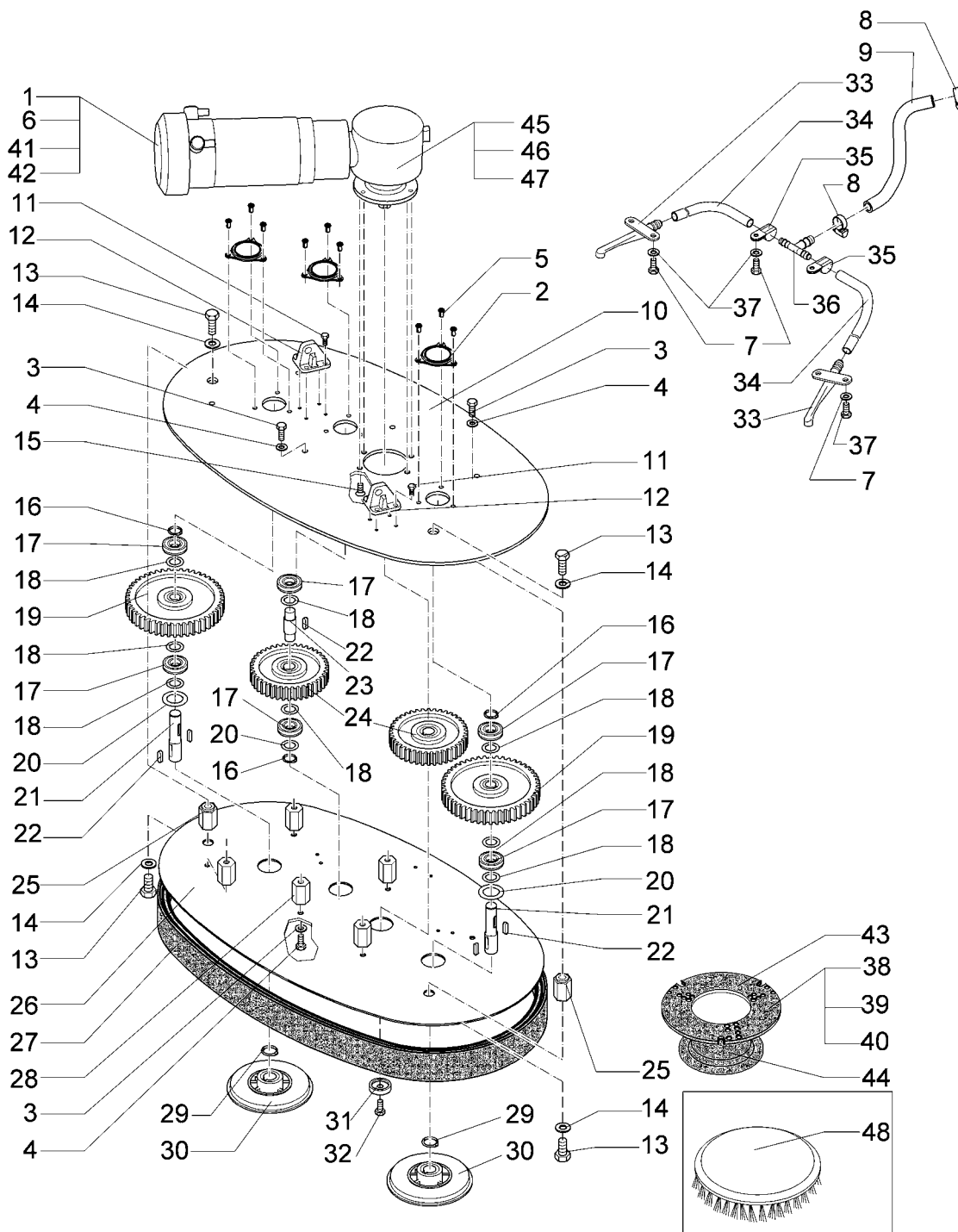
| Item | Spare part number | Description                  | Qty.  | Remarks                 |
|------|-------------------|------------------------------|-------|-------------------------|
| 1    | 01077330          | Lifting fork                 | 1     |                         |
| 2    | 01170970          | Rocker bracket, cpl.         | 1     | until appr. 2007-06-14! |
| 3    | 00053750          | Washer                       | 5     |                         |
| 4    | 00051510          | Hexagon nut                  | 5     |                         |
| 5    | 03000470          | Support                      | 1     |                         |
| 6    | 00053720          | Washer                       | 2     |                         |
| 7    | 00051340          | Hexagon nut                  | 2     |                         |
| 8    | 01071000          | Electrovalve                 | 1     |                         |
| 9    | 00053710          | Washer                       | 2     |                         |
| 10   | 00058580          | Hex.bolt                     | 2     |                         |
| 11   | 00976140          | Screwing in connecting piece | 1     |                         |
| 12   | 00200170          | PVC hose                     | 200mm |                         |
| 13   | 01015350          | Hose clamp                   | 8     |                         |
| 14   | 01071450          | Screwing                     | 1     |                         |
| 15   | 00543750          | Pump                         | 1     |                         |
| 16   | 01073340          | Cable tie                    | 1     |                         |
| 17   | 00154140          | Screwed angle fitting        | 1     |                         |
| 18   | 00200170          | PVC hose                     | 290mm |                         |
| 19   | 01071470          | Screwing in connecting piece | 1     |                         |
| 20   | 01071810          | Hose clamp                   | 2     |                         |
| 21   | 01072850          | Filter                       | 1     |                         |
| 22   | 00971440          | Angle socket                 | 1     |                         |
| 23   | 00200170          | PVC hose                     | 400mm |                         |
| 24   | 01071820          | Lifting spindle              | 1     |                         |
| 25   | 00059530          | Bolt                         | 1     |                         |
| 26   | 00151200          | Washer                       | 1     |                         |
| 27   | 00553580          | Cotter pin                   | 4     |                         |
| 28   | 03000490          | Support, cpl.                | 1     |                         |
| 29   | 03003130          | Guide holder                 | 1     |                         |
| 30   | 01001180          | Pressure spring              | 2     |                         |
| 31   | 00967690          | Slide bearing                | 2     |                         |
| 32   | 01072930          | Plain bearing bush           | 2     |                         |
| 33   | 00879630          | Bolt                         | 1     |                         |
| 34   | 00053760          | Washer                       | 1     |                         |

**Brush lifter**  
Rev.A 05/11



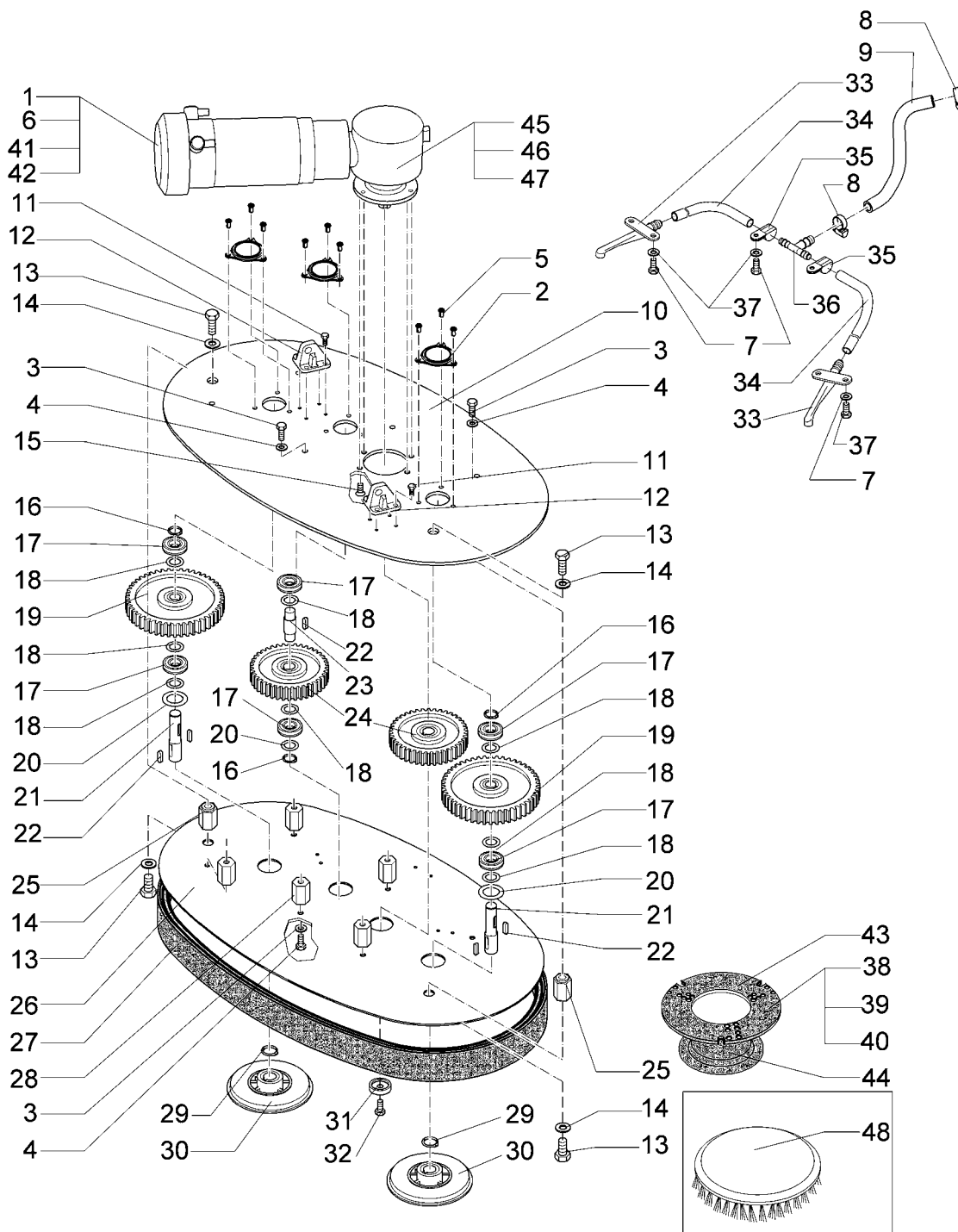
Brush lifter (97092829)  
(2003-05-01 -> )  
Rev.A 05/11

| Item | Spare part number | Description            | Qty.  | Remarks                |
|------|-------------------|------------------------|-------|------------------------|
| 35   | 00051500          | Hexagon nut            | 1     |                        |
| 36   | 00901430          | Bolt                   | 2     |                        |
| 37   | 00053770          | Washer                 | 2     |                        |
| 38   | 01052820          | Edge protection        | 200mm |                        |
| 39   | 01073350          | Pipe                   | 2     |                        |
| 40   | 00962220          | Washer                 | 2     |                        |
| 41   | 00151790          | Hexagon screw          | 2     |                        |
| 42   | 01071010          | Filter insert          | 1     |                        |
| 43   | 01072830          | Sealing ring           | 1     |                        |
| 44   | 01072840          | Straining cap          | 1     |                        |
| 45   | 01072410          | Bushing                | 1     |                        |
| 46   | 00200170          | PVC hose               | 60mm  |                        |
| 47   | 01073020          | T-piece                | 1     |                        |
| 48   | 00529390          | Hose clamp             | 3     |                        |
| 49   | 00711670          | Hose                   | 70mm  |                        |
| 50   | 01073010          | Angle connection piece | 1     |                        |
| 51   | 00711670          | Hose                   | 500mm |                        |
| 52   | 00962620          | Clamp                  | 1     |                        |
| 53   | 00559670          | Case                   | 1     |                        |
| 54   | 00083640          | Plastic cover          | 1     |                        |
| 55   | 00083650          | Plastic cover          | 1     |                        |
| 56   | 00903190          | Tab                    | 1     |                        |
| 57   | 01175300          | Rocker                 | 1     | from appr. 2007-06-15! |



Brush head (97093777 7090-33)  
(2007-07-01 -> )  
Rev.A 05/11

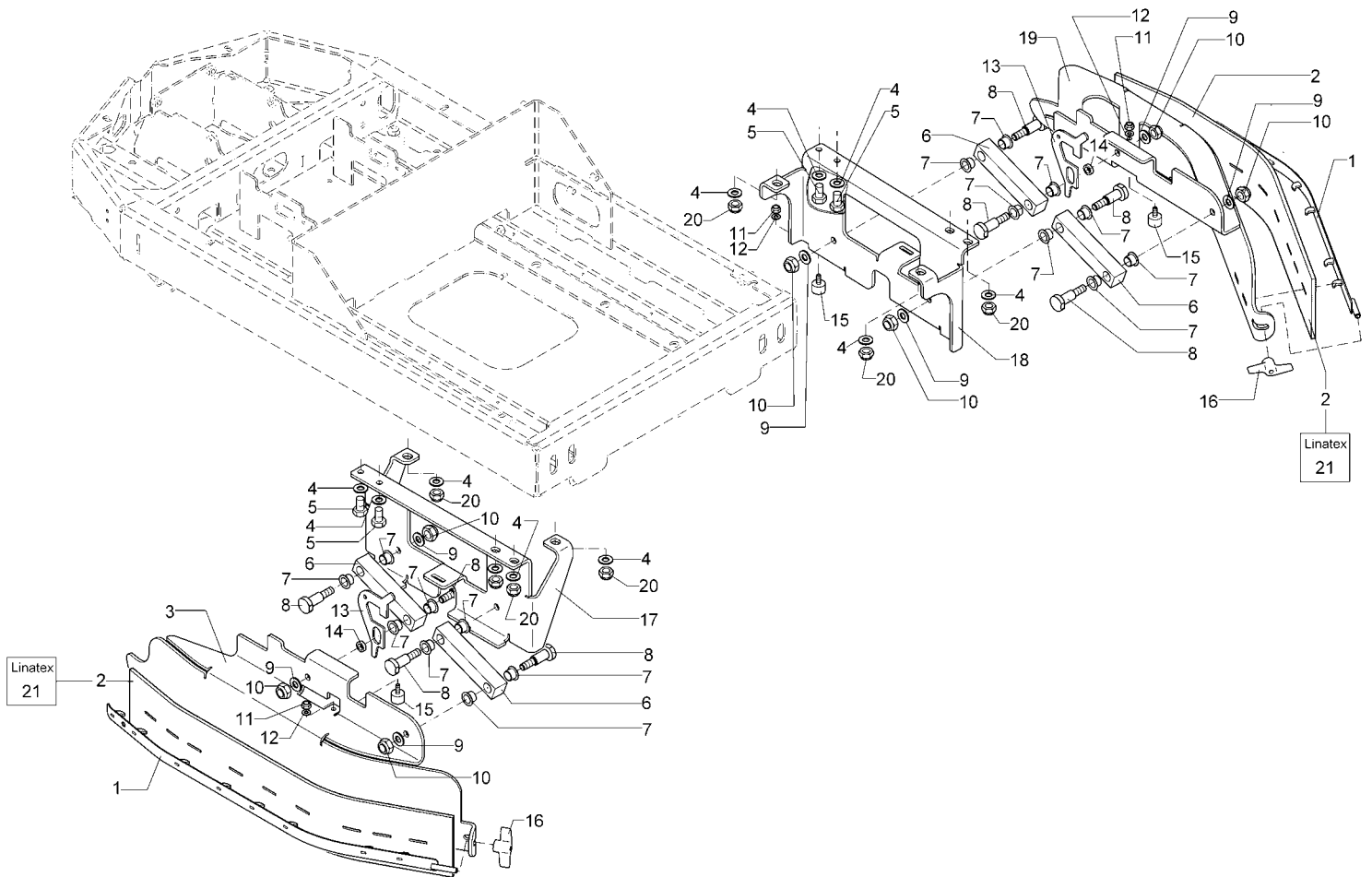
| Item | Spare part number | Description              | Qty.  | Remarks |
|------|-------------------|--------------------------|-------|---------|
| 1    | 01070930          | Geared motor             | 1     |         |
| 2    | 01076750          | Covering                 | 3     |         |
| 3    | 00553690          | Hex.bolt                 | 12    |         |
| 4    | 00053750          | Washer                   | 12    |         |
| 5    | 01076740          | Rivet                    | 9     |         |
| 6    | 00553060          | Set (4pc.) carbon brush  | 1     |         |
| 7    | 00053730          | Washer                   | 8     |         |
| 8    | 01015350          | Hose clamp               | 2     |         |
| 9    | 00200170          | PVC hose                 | 260mm |         |
| 10   | 01175820          | Plate upper              | 1     |         |
| 11   | 00104500          | Hexagon screw            | 8     |         |
| 12   | 00901370          | Bearing block            | 2     |         |
| 13   | 00101160          | Hexagon screw            | 4     |         |
| 14   | 00053770          | Washer                   | 4     |         |
| 15   | 00705440          | Countersunk screw        | 4     |         |
| 16   | 00022230          | Retaining ring           | 3     |         |
| 17   | 00901380          | Deep groove ball bearing | 6     |         |
| 18   | 00155180          | Adjusting washer         | 8     |         |
| 19   | 00712890          | Gear wheel               | 2     |         |
| 20   | 01071860          | Ring                     | 3     |         |
| 21   | 00959680          | Shaft                    | 2     |         |
| 22   | 00121640          | Feather key              | 5     |         |
| 23   | 01071870          | Shaft                    | 1     |         |
| 24   | 00901100          | Gear wheel               | 2     |         |
| 25   | 00959670          | Spacer sleeve            | 2     |         |
| 26   | 01175830          | Plate lower              | 1     |         |
| 27   | 01175840          | Gasket                   | 1     |         |
| 28   | 00901350          | Nut                      | 6     |         |
| 29   | 00054310          | Retaining ring           | 2     |         |
| 30   | 00512400          | Carrier                  | 2     |         |
| 31   | 00736620          | Washer                   | 1     |         |
| 32   | 00077110          | Hexagon screw            | 1     |         |
| 33   | 00861700          | Spray tube               | 2     |         |
| 34   | 00180190          | Hose                     | 380mm |         |



Brush head (97093777 7090-33)  
 (2007-07-01 -> )  
 Rev.A 05/11

| Item | Spare part number | Description             | Qty. | Remarks |
|------|-------------------|-------------------------|------|---------|
| 35   | 00821550          | Tube clamp              | 2    |         |
| 36   | 00901310          | T-reducer muff          | 1    |         |
| 37   | 00539730          | Screw                   | 6    |         |
| 38   | 00712010          | Center-lock, cpl.       | 1    |         |
| 39   | 00157110          | Tapping screw           | 1    |         |
| 40   | 00053720          | Washer                  | 1    |         |
| 41   | 00112200          | Fan hood                | 1    |         |
| 42   | 00112210          | Fan wheel               | 1    |         |
| 43   | 00681500          | Center-lock, lower part | 1    |         |
| 44   | 00681490          | Center-lock, upper part | 1    |         |
| 45   | 00967760          | Cable tie               | 2    |         |
| 46   | 01073210          | Iron sleeve             | 1    |         |
| 47   | 01076490          | Bushing                 | 1    |         |
| 48   | 99752000          | Brush 380 SIC-PA 6      | 1    |         |

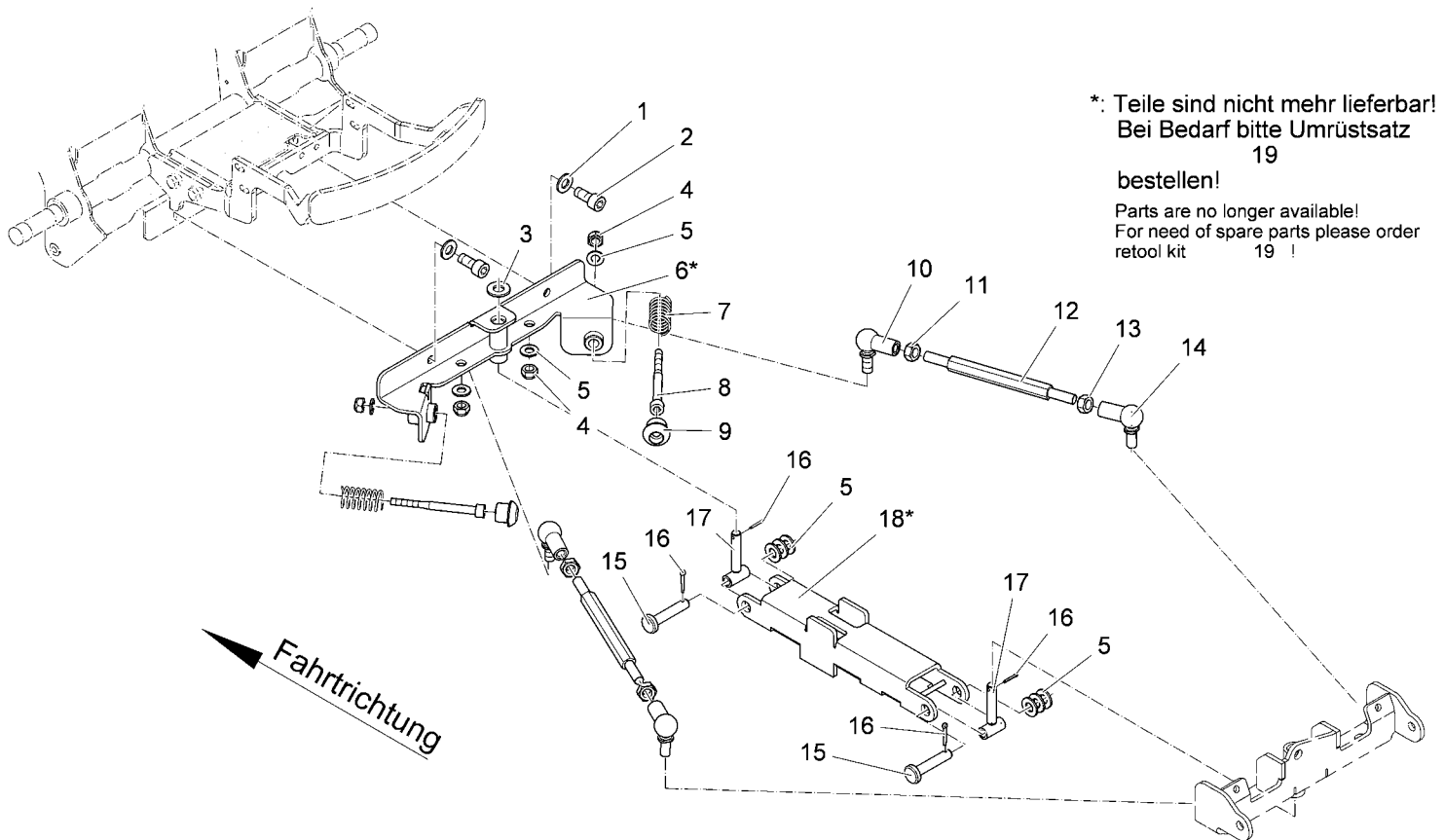
**Wiper, R.H. and L.H.**  
Rev.A 05/11



Wiper, R.H. and L.H. (97083240-97083331)  
 (2003-09-01 -> )  
 Rev.A 05/11

| Item | Spare part number | Description             | Qty. | Remarks |
|------|-------------------|-------------------------|------|---------|
| 1    | 01076840          | Tension band            | 1    |         |
| 2    | 01073890          | squeegee strip          | 1    |         |
| 3    | 01075440          | brush strut L.H., cpl.  | 1    |         |
| 4    | 00042900          | Washer                  | 6    |         |
| 5    | 00131730          | Hex.bolt                | 2    |         |
| 6    | 01073870          | lever                   | 2    |         |
| 7    | 01073860          | slide bearing bush      | 8    |         |
| 8    | 01073910          | fitting screw           | 4    |         |
| 9    | 00053760          | Washer                  | 4    |         |
| 10   | 00051500          | Hexagon nut             | 4    |         |
| 11   | 00051520          | Hexagon nut             | 2    |         |
| 12   | 00053730          | Washer                  | 4    |         |
| 13   | 01073880          | lock hook               | 1    |         |
| 14   | 01073900          | spacer sleeve           | 1    |         |
| 15   | 00854090          | Stop buffer             | 2    |         |
| 16   | 00101470          | Wing nut                | 1    |         |
| 17   | 03003050          | Retainer L.H.           | 1    |         |
| 18   | 03003070          | brush holder R.H.       | 1    |         |
| 19   | 01075450          | brush strut R.H., cpl.  | 1    |         |
| 20   | 00051510          | Hexagon nut             | 4    |         |
| 21   | 01077050          | Squeegee strip, LINATEX | 1    |         |

**Lifting assy suction base unit part1**  
Rev.A 05/11

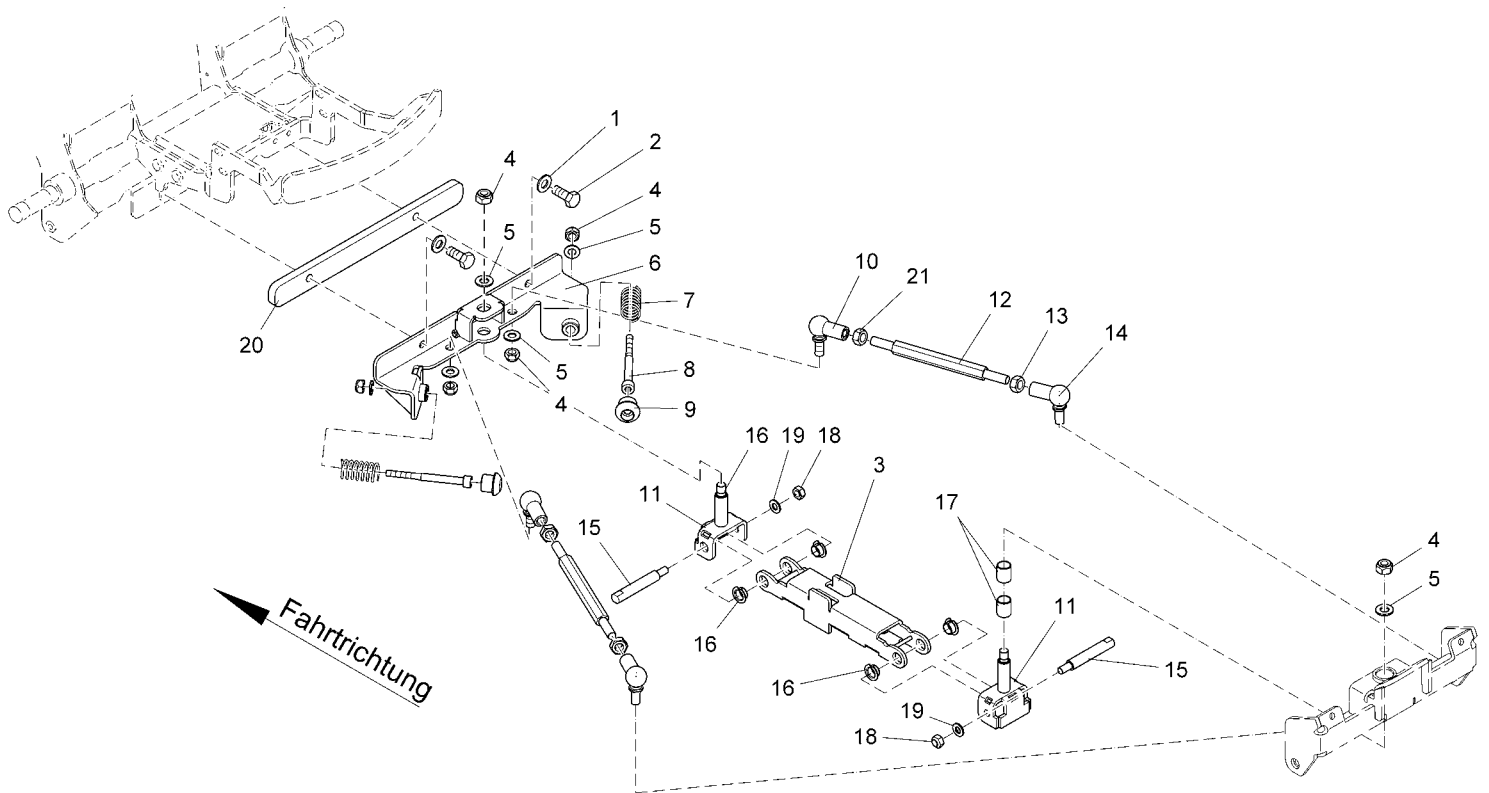


**Lifting assy suction base unit part1 (97100556-1-A)**  
**(2008-03-01 -> 2009-06-07)**  
 Rev.A 05/11



| Item | Spare part number | Description                     | Qty. | Remarks                                   |
|------|-------------------|---------------------------------|------|-------------------------------------------|
| 1    | 00740090          | Detent edged washer             | 2    |                                           |
| 2    | 00103300          | Socket head screw               | 2    |                                           |
| 3    | 00053770          | Washer                          | 1    |                                           |
| 4    | 00051500          | Hexagon nut                     | 4    |                                           |
| 5    | 00053760          | Washer                          | 4    |                                           |
| 6    | 01073110          | Support, cpl.                   |      | No longer available! Please order pos.19! |
| 7    | 01175850          | Compression spring              | 2    |                                           |
| 8    | 00927270          | Cylinder head screw             | 8    |                                           |
| 9    | 01073100          | Bushing                         | 2    |                                           |
| 10   | 00527700          | Angle joint                     | 2    |                                           |
| 11   | 00053360          | Hexagon nut                     | 2    |                                           |
| 12   | 01071460          | Threaded rod                    | 2    |                                           |
| 13   | 00704470          | Hex. Nut                        | 2    |                                           |
| 14   | 01071490          | Angle joint                     | 2    |                                           |
| 15   | 00706440          | Bolt                            | 2    |                                           |
| 16   | 00551410          | Cotter pin                      | 4    |                                           |
| 17   | 01071500          | Guide, cpl.                     | 2    |                                           |
| 18   | 01171410          | Retainer                        |      | No longer available! Please order pos.19! |
| 19   | 00009120          | Retool kit LIFTING SUCTION UNIT | 1    |                                           |

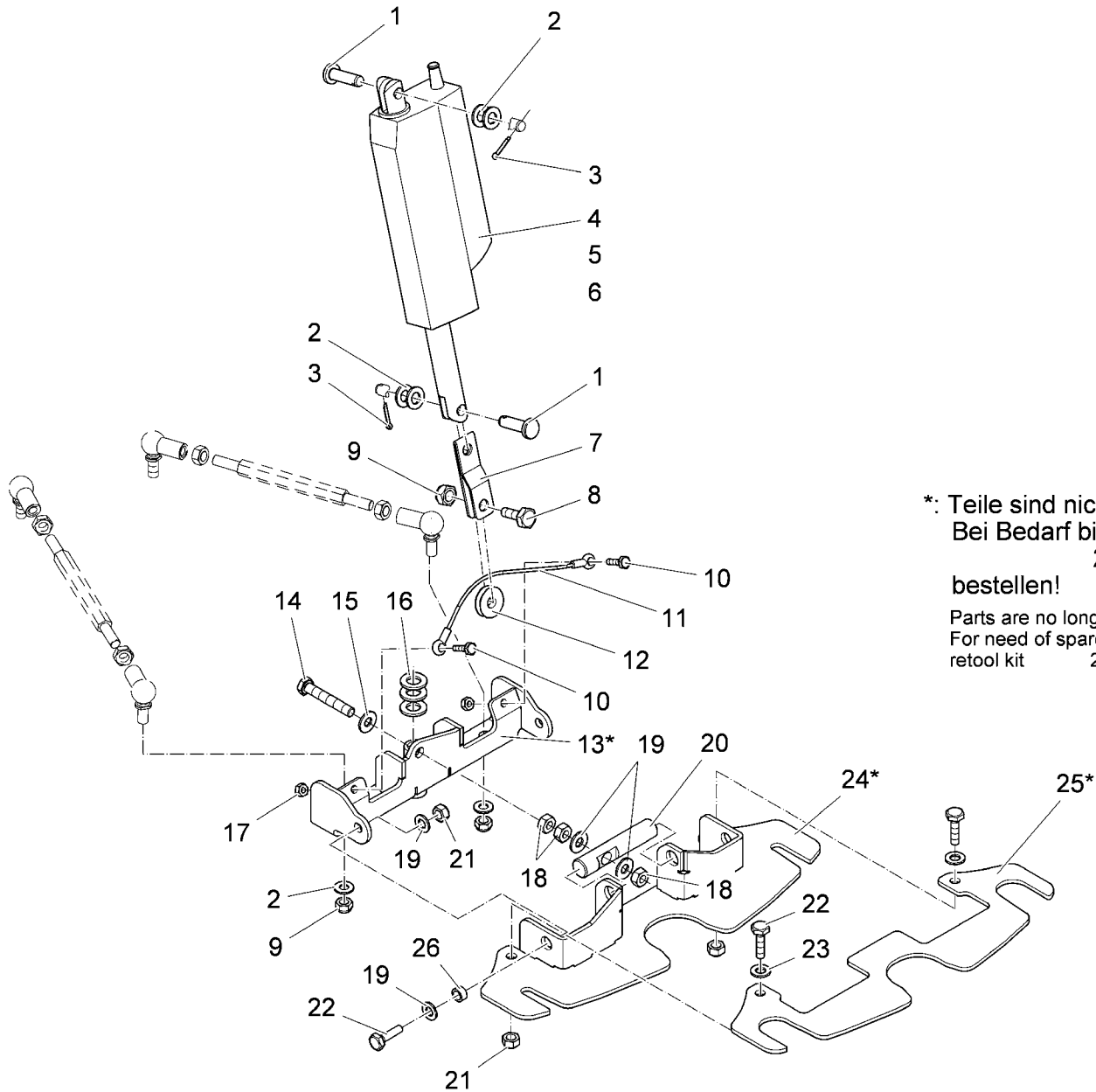
**Lifting assy suction base unit part1**  
Rev.A 05/11



**Lifting assy suction base unit part1 (97100556-1)**  
Rev.A 05/11

| Item | Spare part number | Description         | Qty. | Remarks |
|------|-------------------|---------------------|------|---------|
| 1    | 00740090          | Detent edged washer | 2    |         |
| 2    | 00054690          | Hexagon screw       | 2    |         |
| 3    | 01178240          | Retainer            | 1    |         |
| 4    | 00051500          | Hexagon nut         | 4    |         |
| 5    | 00053760          | Washer              | 5    |         |
| 6    | 01178230          | Retainer            | 1    |         |
| 7    | 01175850          | Compression spring  | 2    |         |
| 8    | 00927270          | Cylinder head screw | 8    |         |
| 9    | 01073100          | Bushing             | 2    |         |
| 10   | 00527700          | Angle joint         | 2    |         |
| 11   | 01177810          | Fork head           | 2    |         |
| 12   | 01071460          | Threaded rod        | 2    |         |
| 13   | 00704470          | Hex. Nut            | 2    |         |
| 14   | 01071490          | Angle joint         | 2    |         |
| 15   | 01178380          | Threaded bolt       | 2    |         |
| 16   | 01171330          | Slide bearing bush  | 4    |         |
| 17   | 01171820          | Slide bearing bush  | 2    |         |
| 18   | 00051510          | Hexagon nut         | 2    |         |
| 19   | 00053750          | Washer              | 2    |         |
| 20   | 01272810          | Spacer plate        | 1    |         |
| 21   | 00053360          | Hexagon nut         | 2    |         |

**Lifting assy suction base unit part2**  
Rev.A 05/11



\*: Teile sind nicht mehr lieferbar!  
Bei Bedarf bitte Umrüstsatz  
27

bestellen!

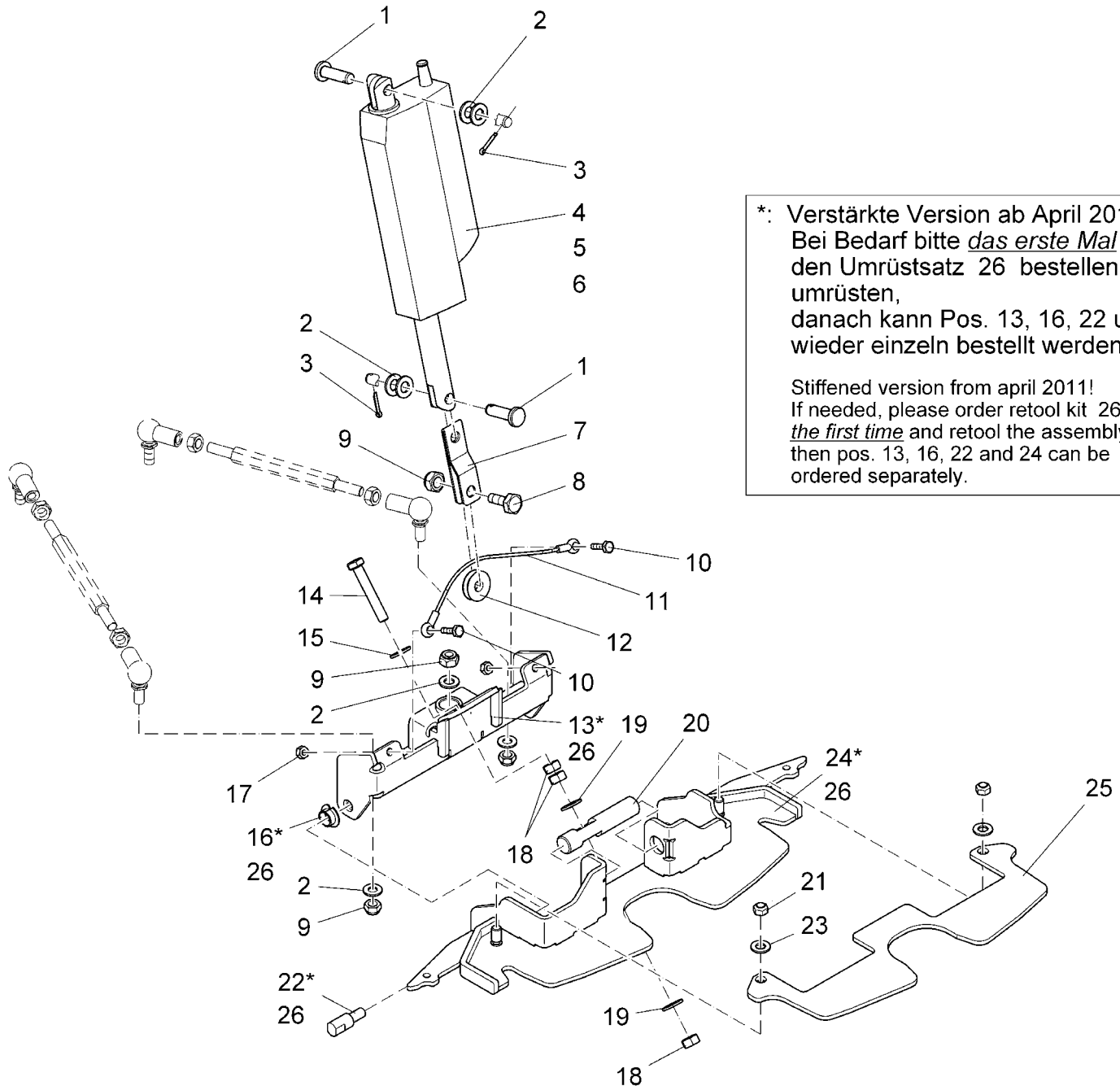
Parts are no longer available!  
For need of spare parts please order  
retool kit 27 !

**Lifting assy suction base unit part2 (97100556-2-A)**  
**(2008-03-01 -> 2009-06-07)**  
 Rev.A 05/11



| Item | Spare part number | Description                     | Qty. | Remarks                                   |
|------|-------------------|---------------------------------|------|-------------------------------------------|
| 1    | 00539260          | Bolt                            | 2    |                                           |
| 2    | 00053760          | Washer                          | 4    |                                           |
| 3    | 00551410          | Cotter pin                      | 2    |                                           |
| 4    | 00712430          | Lifting element                 | 1    |                                           |
| 5    | 00903190          | Tab                             | 1    |                                           |
| 6    | 00903180          | Plastic cover                   | 1    |                                           |
| 7    | 01071980          | Support                         | 1    |                                           |
| 8    | 00053310          | Hexagon screw                   | 1    |                                           |
| 9    | 00051500          | Hexagon nut                     | 1    |                                           |
| 10   | 00854190          | Hexagon screw                   | 2    |                                           |
| 11   | 01071520          | Guidance rope                   | 1    |                                           |
| 12   | 01071510          | Roller guide                    | 1    |                                           |
| 13   | 01171420          | Retainer                        |      | No longer available! Please order pos.27! |
| 14   | 00053260          | Hex.bolt                        | 1    |                                           |
| 15   | 00740090          | Detent edged washer             | 1    |                                           |
| 16   | 00053770          | Washer                          | 3    |                                           |
| 17   | 00053330          | Hexagon nut                     | 2    |                                           |
| 18   | 00053350          | Hexagon nut                     | 3    |                                           |
| 19   | 00053750          | Washer                          | 4    |                                           |
| 20   | 01171510          | Pivot bolt                      | 1    |                                           |
| 21   | 00051510          | Hexagon nut                     | 4    |                                           |
| 22   | 00053100          | Hexagon screw                   | 4    |                                           |
| 23   | 00053750          | Washer                          | 2    |                                           |
| 24   | 01171430          | Plate                           |      | No longer available! Please order pos.27! |
| 25   | 01171500          | Sheet metal                     |      | No longer available! Please order pos.27! |
| 26   | 01077700          | Bushing                         | 2    |                                           |
| 27   | 00009120          | Retool kit LIFTING SUCTION UNIT | 1    |                                           |

**Lifting assy suction base unit part2**  
Rev.A 05/11



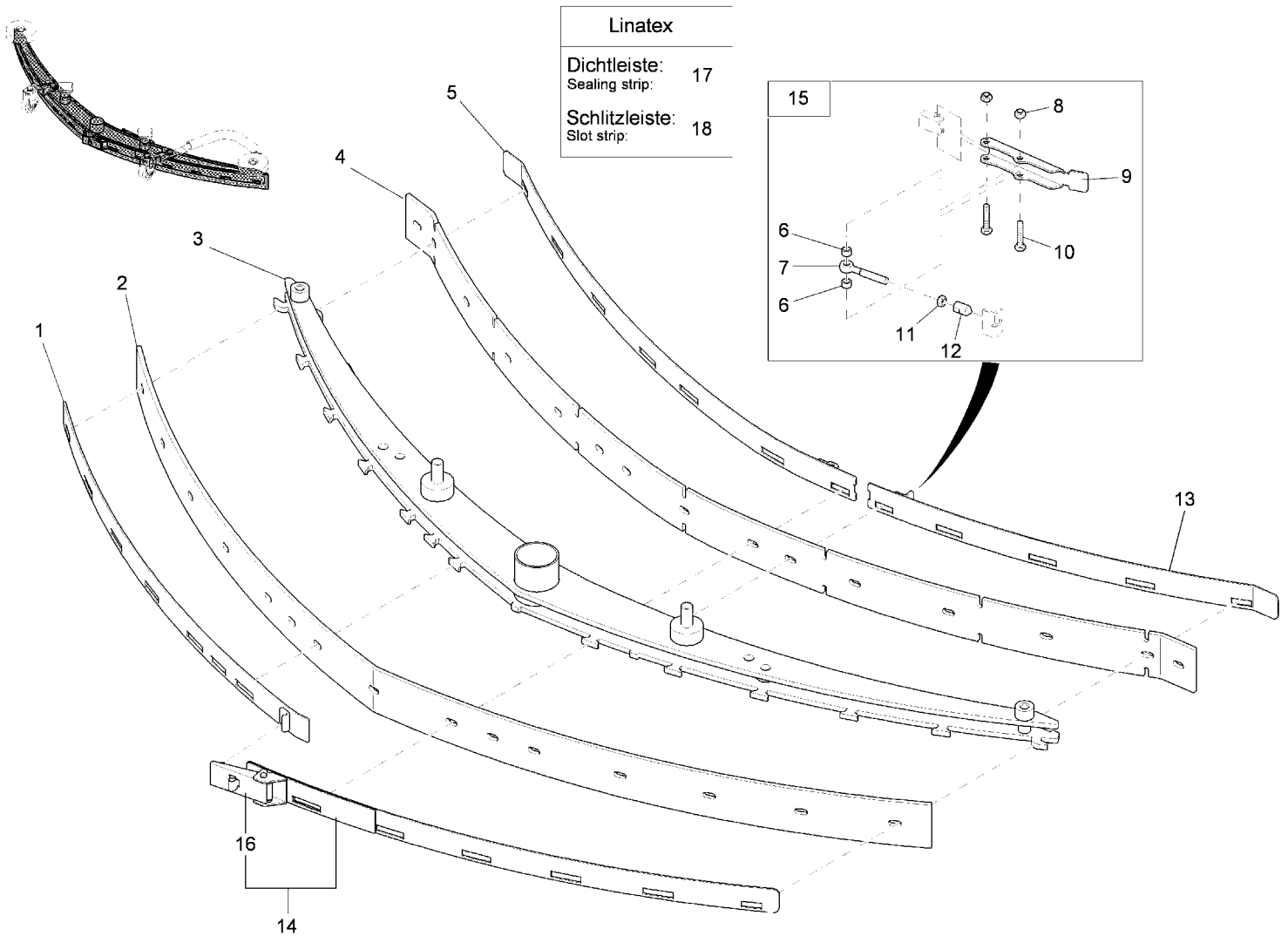
\*: Verstärkte Version ab April 2011!  
Bei Bedarf bitte das erste Mal  
den Umrüstsatz 26 bestellen und  
umrüsten,  
danach kann Pos. 13, 16, 22 und 24  
wieder einzeln bestellt werden.

Stiffened version from april 2011!  
If needed, please order retool kit 26  
the first time and retool the assembly,  
then pos. 13, 16, 22 and 24 can be  
ordered separately.

**Lifting assy suction base unit part2 (97100556-2)**  
Rev.A 05/11

| Item | Spare part number | Description                 | Qty. | Remarks |
|------|-------------------|-----------------------------|------|---------|
| 1    | 00539260          | Bolt                        | 2    |         |
| 2    | 00053760          | Washer                      | 5    |         |
| 3    | 00551410          | Cotter pin                  | 2    |         |
| 4    | 00712430          | Lifting element             | 1    |         |
| 5    | 00903190          | Tab                         | 1    |         |
| 6    | 00903180          | Plastic cover               | 1    |         |
| 7    | 01071980          | Support                     | 1    |         |
| 8    | 00053310          | Hexagon screw               | 1    |         |
| 9    | 00051500          | Hexagon nut                 | 3    |         |
| 10   | 00854190          | Hexagon screw               | 2    |         |
| 11   | 01071520          | Guidance rope               | 1    |         |
| 12   | 01071510          | Roller guide                | 1    |         |
| 13   | 01273310          | Retainer                    | 1    |         |
| 14   | 00053260          | Hex.bolt                    | 1    |         |
| 15   | 00740090          | Detent edged washer         | 1    |         |
| 16   | 01171330          | Slide bearing bush          | 2    |         |
| 17   | 00053330          | Hexagon nut                 | 2    |         |
| 18   | 00053350          | Hexagon nut                 | 3    |         |
| 19   | 00053750          | Washer                      | 4    |         |
| 20   | 01171510          | Pivot bolt                  | 1    |         |
| 21   | 00051510          | Hexagon nut                 | 2    |         |
| 22   | 01273300          | Threaded bolt               | 2    |         |
| 23   | 00053750          | Washer                      | 2    |         |
| 24   | 01273320          | Plate                       | 1    |         |
| 25   | 01178220          | Sheet metal                 | 1    |         |
| 26   | 00009430          | Retool kit SQUEEGEE LIFTING | 1    |         |

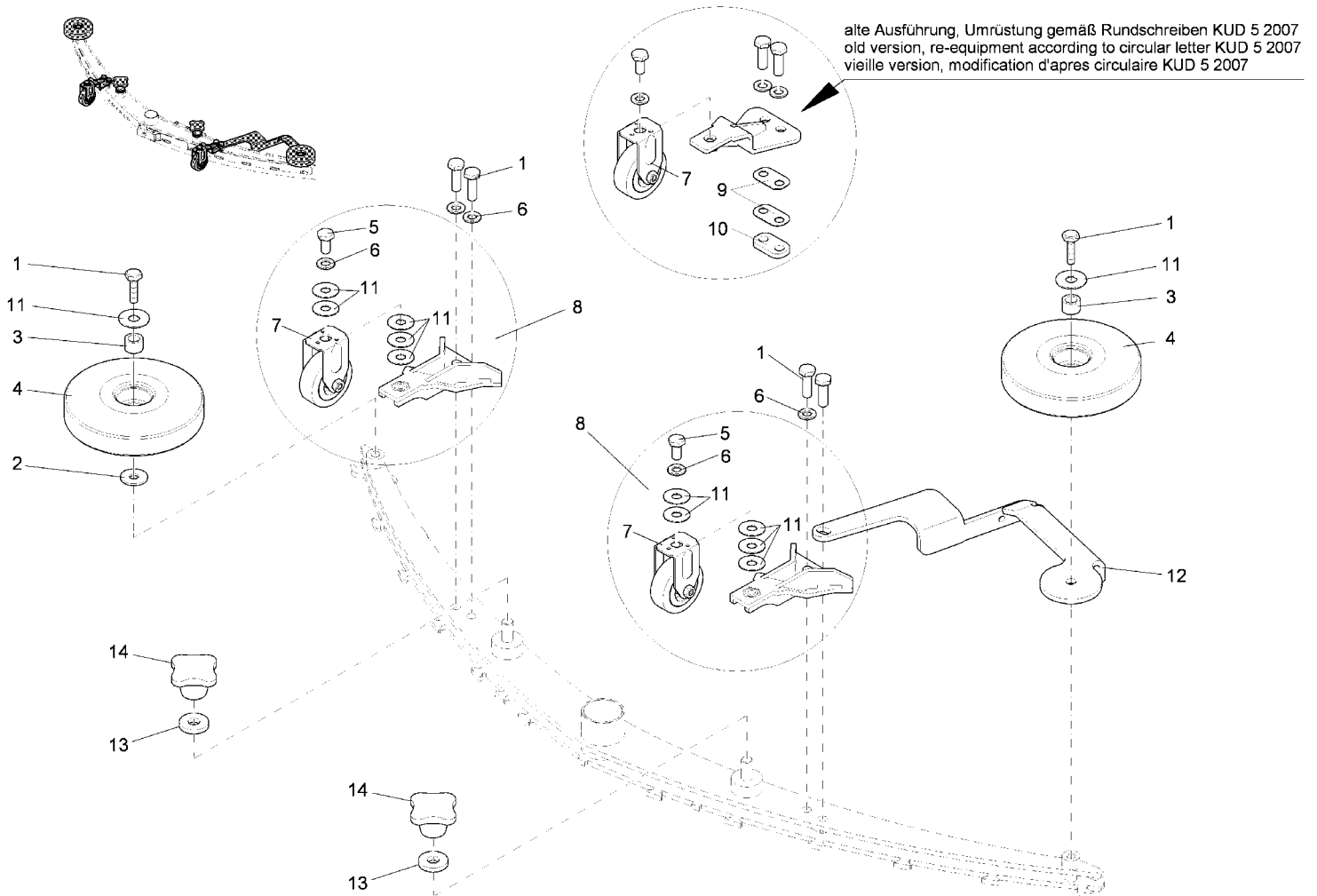
**Squeegee 95cm part 1**  
Rev.A 05/11



Squeegee 95cm part 1 (97106413-1)  
 (2008-03-01 -> 2009-09-30)  
 Rev.A 05/11

| Item | Spare part number | Description           | Qty. | Remarks           |
|------|-------------------|-----------------------|------|-------------------|
| 1    | 01077660          | Rear tension band     | 1    |                   |
| 2    | 01077480          | Sealing strip         | 1    |                   |
| 3    | 01077940          | Suction unit          | 1    |                   |
| 4    | 01077470          | Slot strip            | 1    |                   |
| 5    | 01077650          | Front tension band    | 1    |                   |
| 6    | 01077590          | Bushing               | 2    |                   |
| 7    | 01077500          | Eye bolt              | 1    |                   |
| 8    | 01017660          | Hex. Nut              | 2    |                   |
| 9    | 01077580          | Lever                 | 1    |                   |
| 10   | 01079890          | Hexagon screw         | 2    |                   |
| 11   | 00902250          | Hex. Nut              | 1    |                   |
| 12   | 01078090          | Pressure piece        | 1    |                   |
| 13   | 01077640          | Front tension band    | 1    |                   |
| 14   | 01077670          | Rear tension band     | 1    |                   |
| 15   | 00009010          | Lock suction unit     | 1    |                   |
| 16   | 01171810          | Lock                  | 1    |                   |
| 17   | 01179180          | Sealing strip Linatex | 1    | for 95cm squeegee |
| 18   | 01179170          | Slot strip Linatex    | 1    | for 95cm squeegee |

**Squeegee 95cm part 2**  
Rev.A 05/11



Squeegee 95cm part 2 (97106413-2)  
(2008-03-01 -> 2009-09-30)  
Rev.A 05/11

| Item | Spare part number | Description        | Qty. | Remarks |
|------|-------------------|--------------------|------|---------|
| 1    | 01059530          | Hexagon screw      | 6    |         |
| 2    | 00902280          | Washer             | 1    |         |
| 3    | 00879030          | Pipe               | 2    |         |
| 4    | 01171790          | Deflector roller   | 2    |         |
| 5    | 01071740          | Hex.bolt           | 2    |         |
| 6    | 00101550          | Washer             | 3    |         |
| 7    | 01077810          | Fixed castor       | 2    |         |
| 8    | 01079070          | Fixed castor       | 2    |         |
| 9    | 01077610          | Distance piece     | 2    |         |
| 10   | 01077600          | Distance piece     | 1    |         |
| 11   | 01079080          | Spacer             | 10   |         |
| 12   | 01177300          | Bracket            | 1    |         |
| 13   | 00972060          | Disk wheel         | 2    |         |
| 14   | 01179360          | Star handle yellow | 2    |         |

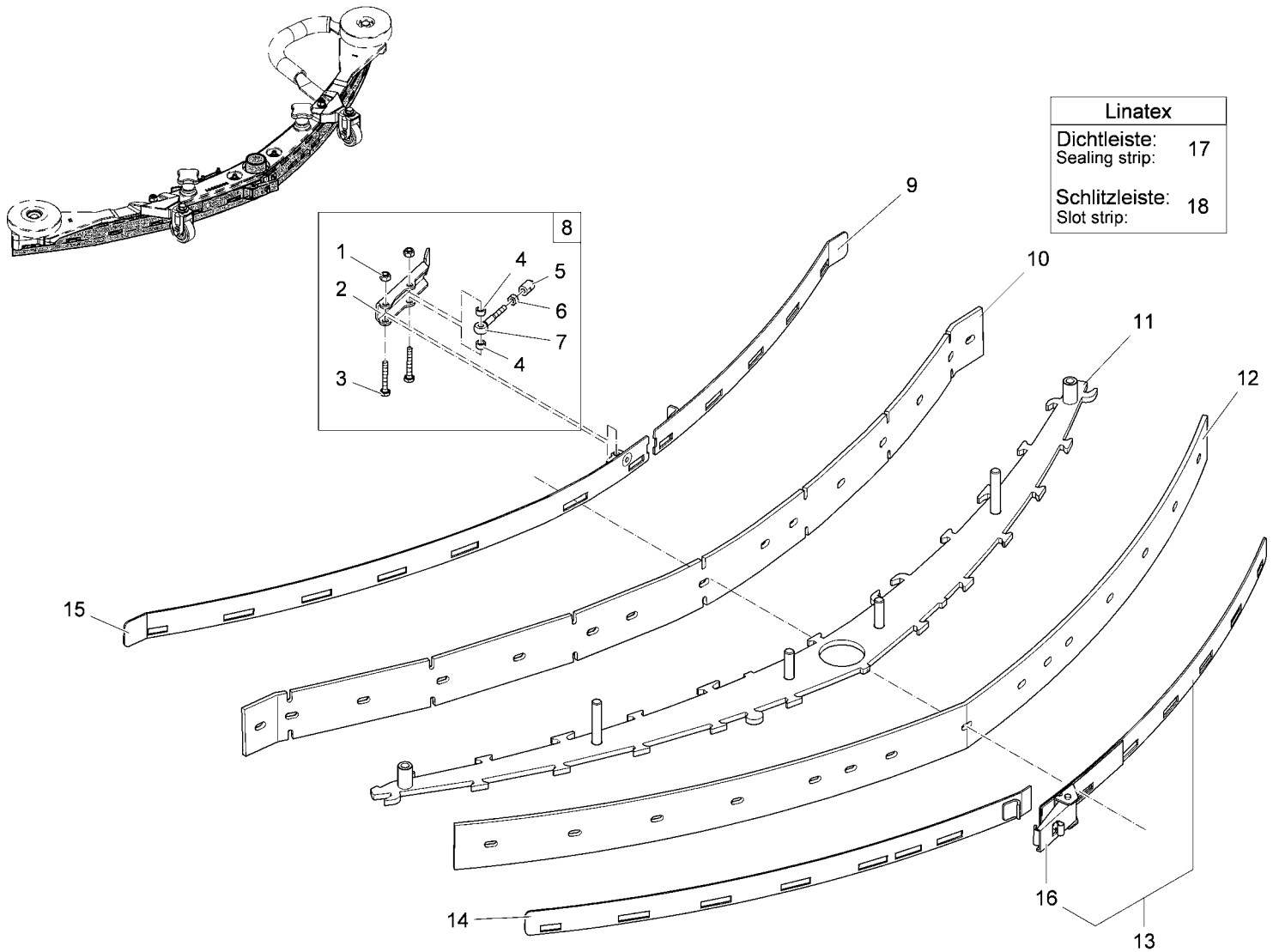
Squeegee 950mm, cpl. (Available! No.: 01178270) (01178270)  
(2009-10-01 -> )  
Rev.A 05/11



| Assembly   | Description           | Page |
|------------|-----------------------|------|
| 01178270-1 | Squeegee 950mm part 1 | 51   |
| 01178270-2 | Squeegee 950mm part 2 | 54   |



**Squeegee 950mm part 1**  
Rev.A 05/11



**Squeegee 950mm part 1 (01178270-1)**  
Rev.A 05/11

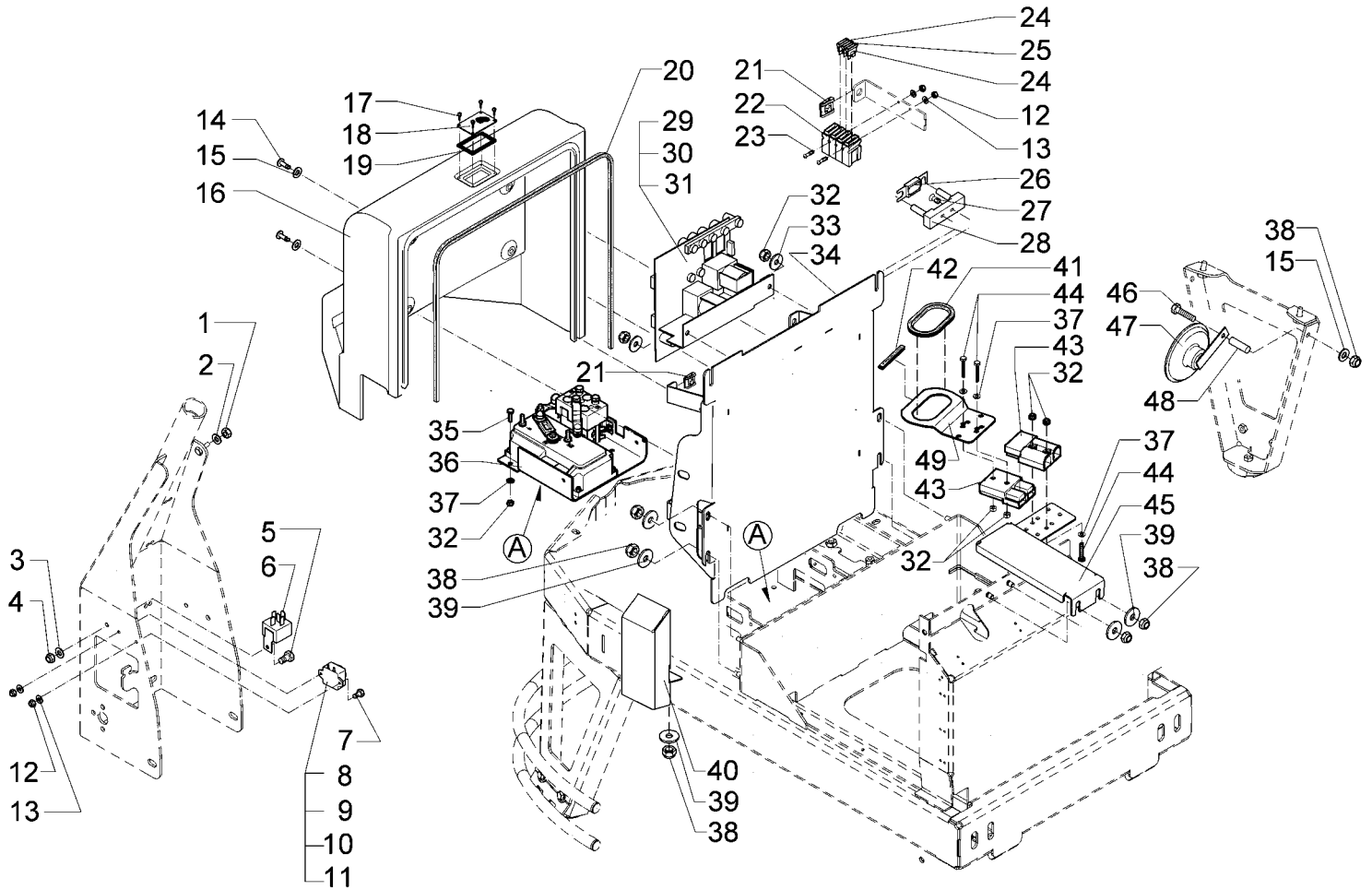
| Item | Spare part number | Description           | Qty. | Remarks           |
|------|-------------------|-----------------------|------|-------------------|
| 1    | 01017660          | Hex. Nut              | 2    |                   |
| 2    | 01077580          | Lever                 | 1    |                   |
| 3    | 01079890          | Hexagon screw         | 2    |                   |
| 4    | 01077590          | Bushing               | 2    |                   |
| 5    | 01078090          | Pressure piece        | 1    |                   |
| 6    | 00902250          | Hex. Nut              | 1    |                   |
| 7    | 01077500          | Eye bolt              | 1    |                   |
| 8    | 00009010          | Lock suction unit     | 1    |                   |
| 9    | 01077640          | Front tension band    | 1    |                   |
| 10   | 01077470          | Slot strip            | 1    |                   |
| 11   | 01178350          | Base plate            | 1    |                   |
| 12   | 01077480          | Sealing strip         | 1    |                   |
| 13   | 01077670          | Rear tension band     | 1    |                   |
| 14   | 01077660          | Rear tension band     | 1    |                   |
| 15   | 01077650          | Front tension band    | 1    |                   |
| 16   | 01171810          | Lock                  | 1    |                   |
| 17   | 01179180          | Sealing strip Linatex | 1    | for 95cm squeegee |
| 18   | 01179170          | Slot strip Linatex    | 1    | for 95cm squeegee |



**Squeegee 950mm part 2 (01178270-2)**  
Rev.A 05/11

| Item | Spare part number | Description             | Qty.  | Remarks |
|------|-------------------|-------------------------|-------|---------|
| 1    | 00059460          | Hex.bolt                | 2     |         |
| 2    | 01079080          | Spacer                  | 13    |         |
| 3    | 00879030          | Pipe                    | 2     |         |
| 4    | 01171790          | Deflector roller        | 2     |         |
| 5    | 01178290          | Conical spring washer   | 2     |         |
| 6    | 01162510          | Hexagon screw           | 2     |         |
| 7    | 00101550          | Washer                  | 6     |         |
| 8    | 00101540          | Hexagon nut             | 4     |         |
| 9    | 01077810          | Fixed castor            | 2     |         |
| 10   | 00902280          | Washer                  | 1     |         |
| 11   | 01179360          | Star handle yellow      | 2     |         |
| 12   | 00131610          | Lens cap                | 2     |         |
| 13   | 00971400          | Hexagon nut             | 2     |         |
| 14   | 00911270          | Hose                    | 260mm |         |
| 15   | 01178280          | Bracket                 | 1     |         |
| 16   | 01178340          | Suction unit body 950mm | 1     |         |
| 17   | 01178310          | Protection cap R.H.     | 1     |         |
| 18   | 01178320          | Protection cap L.H.     | 1     |         |
| 19   | 01019850          | Hexagon screw           | 2     |         |
| 20   | 00972060          | Disk wheel              | 2     |         |

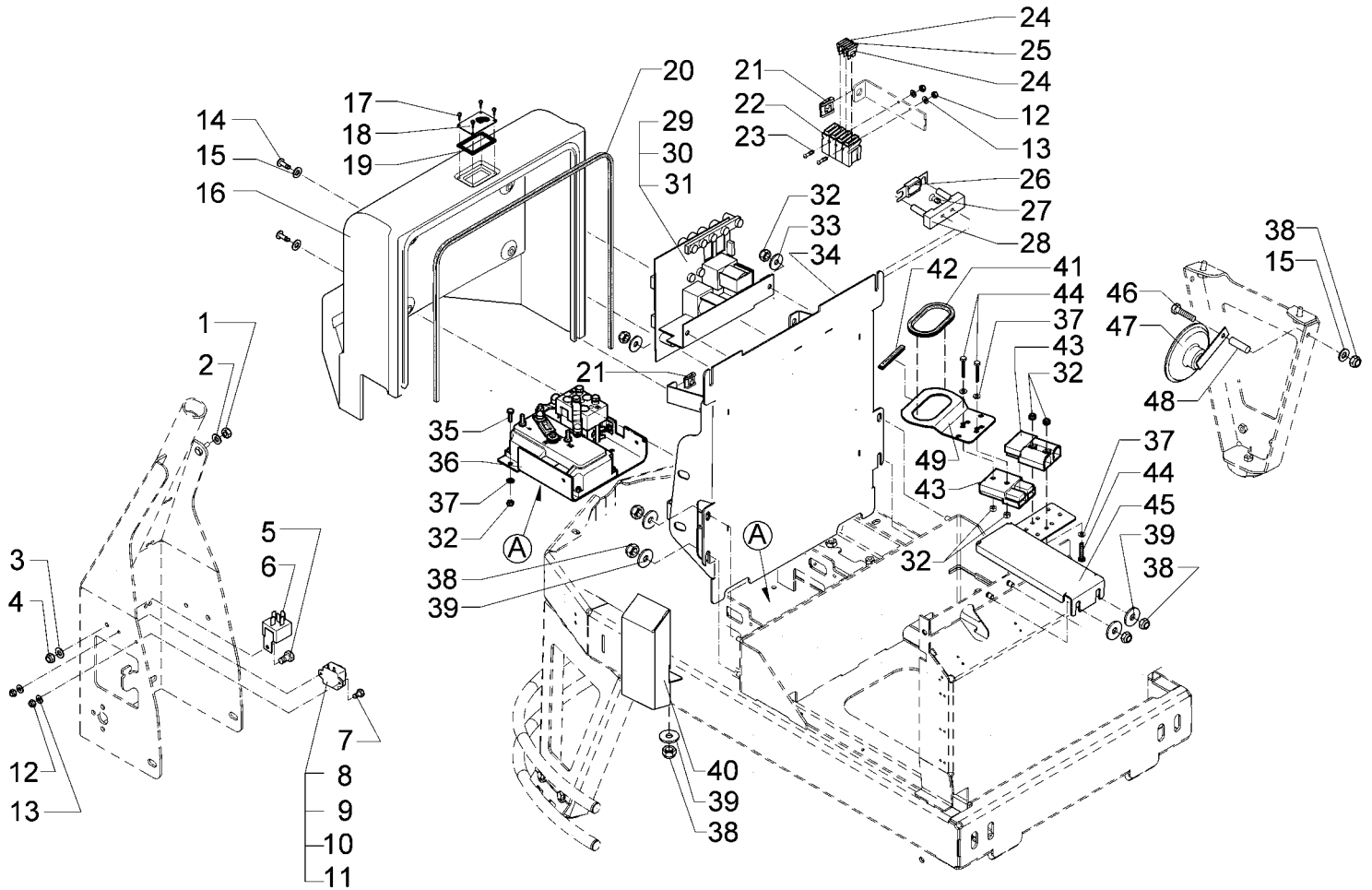
Electric  
Rev.A 05/11



**Electric (97107627)**  
Rev.A 05/11

| Item | Spare part number | Description           | Qty.   | Remarks |
|------|-------------------|-----------------------|--------|---------|
| 1    | 00053330          | Hexagon nut           | 1      |         |
| 2    | 01072030          | Toothed washer        | 1      |         |
| 3    | 00053720          | Washer                | 1      |         |
| 4    | 00051340          | Hexagon nut           | 1      |         |
| 5    | 00152800          | Hex.bolt              | 1      |         |
| 6    | 00965030          | Relay                 | 1      |         |
| 7    | 00042350          | Hex.bolt              | 2      |         |
| 8    | 00745850          | Signal transmitter    | 1      |         |
| 9    | 00121010          | Cable tie             | 1      |         |
| 10   | 00903180          | Plastic cover         | 1      |         |
| 11   | 00903170          | Tab                   | 2      |         |
| 12   | 00022200          | Hex. Nut              | 4      |         |
| 13   | 00553740          | Washer                | 4      |         |
| 14   | 00740900          | Tapping screw         | 2      |         |
| 15   | 00053750          | Washer                | 5      |         |
| 16   | 03000530          | Covering for electric | 1      |         |
| 17   | 00902430          | Self tapping screw    | 4      |         |
| 18   | 01072050          | Inspection glass      | 1      |         |
| 19   | 01072060          | Seal                  | 1      |         |
| 20   | 00740410          | Cord gasket           | 1150mm |         |
| 21   | 01175860          | Snap nut              | 4      |         |
| 22   | 00733650          | Fuse holder           | 3      |         |
| 23   | 01072070          | Fillister-head screw  | 2      |         |
| 24   | 00733630          | Fuse                  | 2      |         |
| 25   | 00509550          | Fuse                  | 1      |         |
| 26   | 00059580          | Fuse                  | 1      |         |
| 27   | 00157110          | Tapping screw         | 2      |         |
| 28   | 00121440          | Fuse holder           | 1      |         |
| 29   | 00752920          | Module                | 1      |         |
| 30   | 00744700          | Fuse                  | 2      |         |
| 31   | 00876690          | Fuse                  | 2      |         |
| 32   | 00051520          | Hexagon nut           | 6      |         |
| 33   | 00135120          | Washer                | 2      |         |
| 34   | 03000540          | Electronic box        | 1      |         |

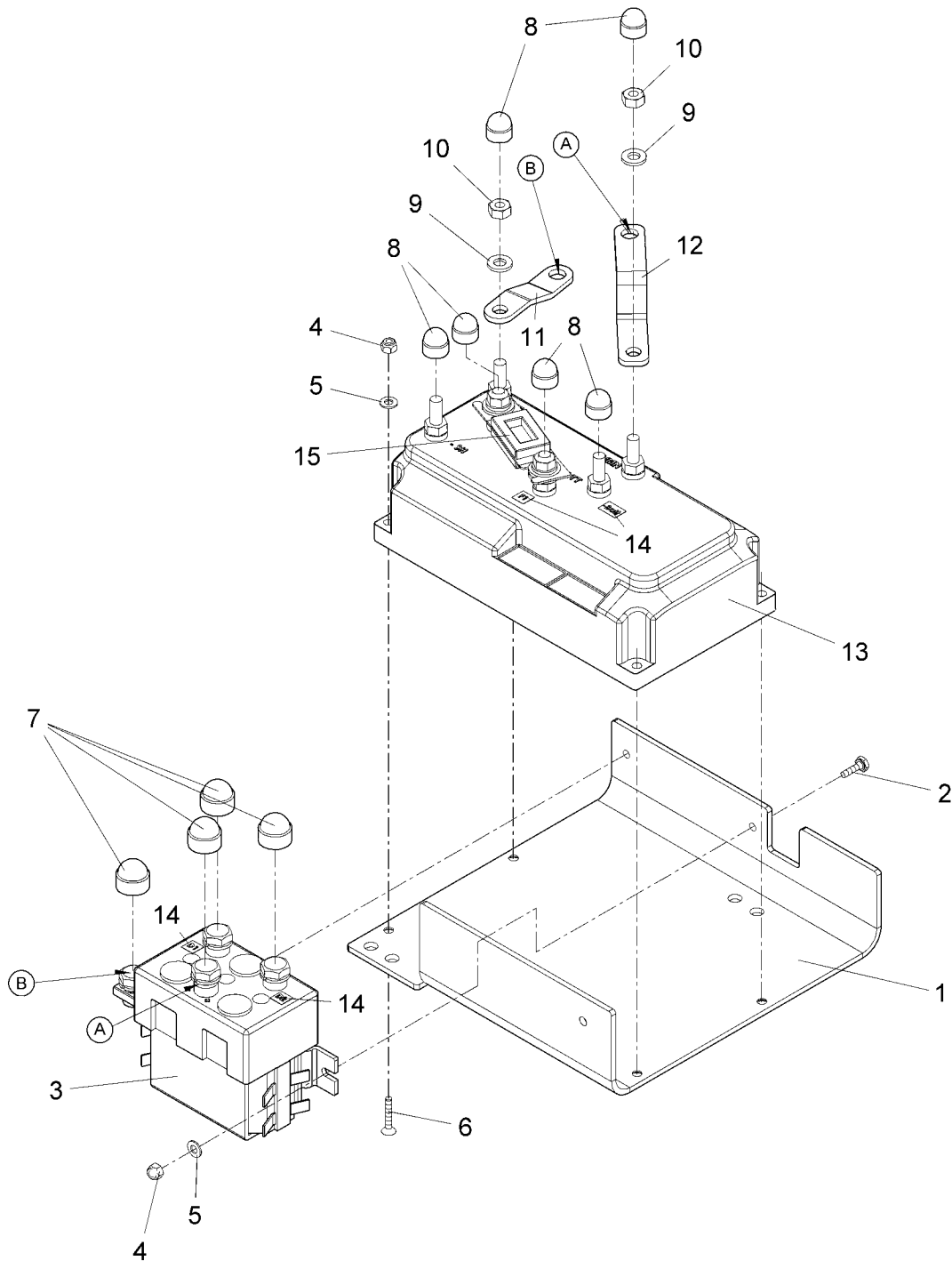
**Electric**  
Rev.A 05/11



Electric (97107627)  
Rev.A 05/11

| Item | Spare part number | Description                     | Qty.        | Remarks   |
|------|-------------------|---------------------------------|-------------|-----------|
| 35   | 00053020          | Hexagon screw                   | 2           |           |
| 36   | <b>01072090</b>   | <b>Retool kit DRIVE CONTROL</b> | <b>Page</b> | <b>60</b> |
| 37   | 00053730          | Washer                          | 4           |           |
| 38   | 00051510          | Hexagon nut                     | 8           |           |
| 39   | 00042900          | Washer                          | 7           |           |
| 40   | 03000550          | ventilation duct                | 1           |           |
| 41   | 00721090          | Edge protection                 | 2220mm      |           |
| 42   | 00721090          | Edge protection                 | 700mm       |           |
| 43   | 01075720          | Connector                       | 2           |           |
| 44   | 00053290          | Hexagon screw                   | 4           |           |
| 45   | 03000560          | Support                         | 1           |           |
| 46   | 00074260          | Hex.bolt                        | 1           |           |
| 47   | 00852420          | Signal horn                     | 1           |           |
| 48   | 00073410          | Bushing                         | 1           |           |
| 49   | 01056090          | Handle                          | 1           |           |

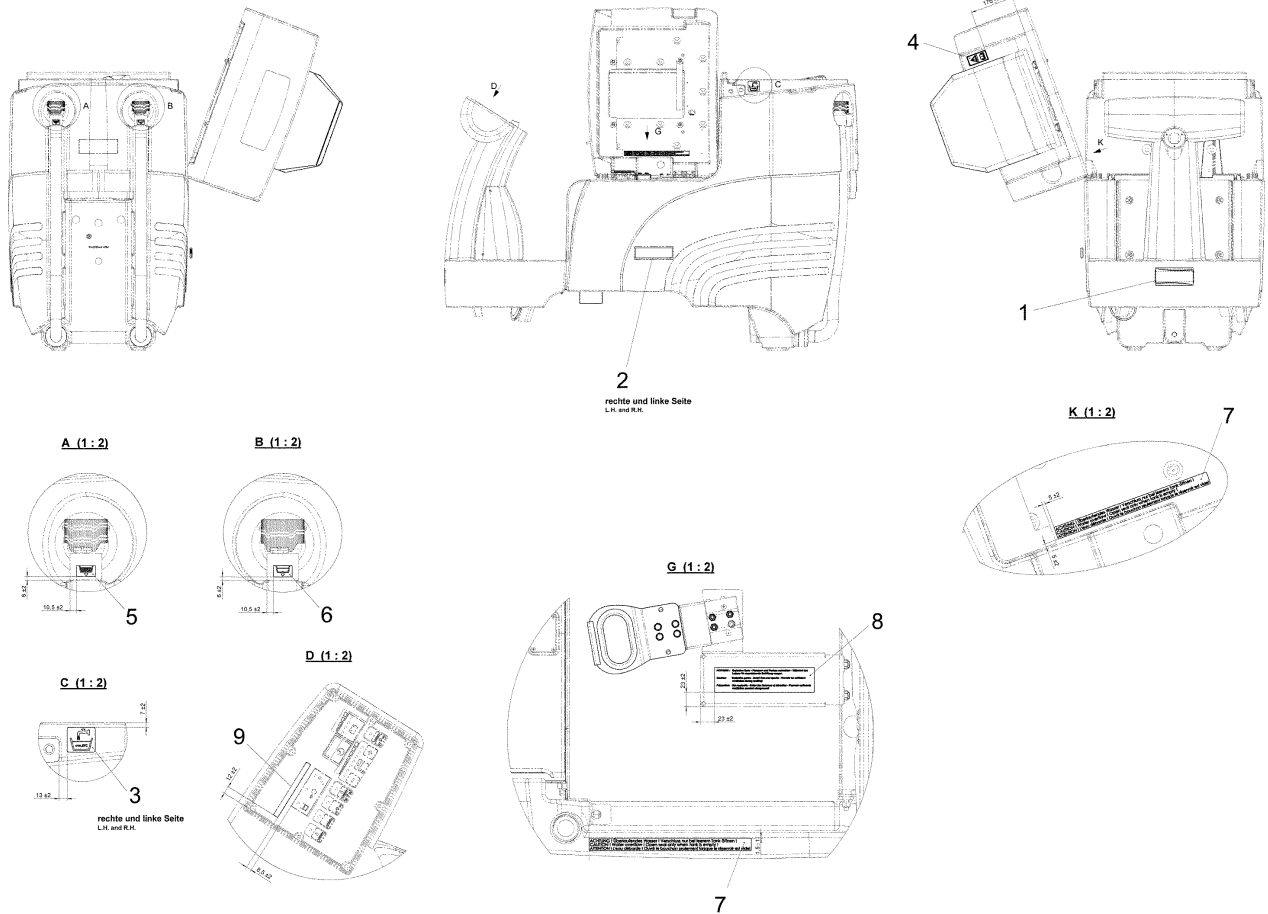
**Retool kit DRIVE CONTROL**  
Rev.A 05/11



**Retool kit DRIVE CONTROL (01072090)**  
Rev.A 05/11

| Item | Spare part number | Description         | Qty. | Remarks                                               |
|------|-------------------|---------------------|------|-------------------------------------------------------|
| 1    | 01079020          | Angle plate         | 1    |                                                       |
| 2    | 00023080          | Hex.bolt            | 2    |                                                       |
| 3    | 01079030          | Reversion contactor | 1    |                                                       |
| 4    | 00133830          | Hex. Nut            | 6    |                                                       |
| 5    | 00053710          | Washer              | 6    |                                                       |
| 6    | 00551120          | Countersunk screw   | 4    |                                                       |
| 7    | 00131610          | Lens cap            | 4    |                                                       |
| 8    | 00525910          | Lens cap            | 6    |                                                       |
| 9    | 00053730          | Washer              | 2    |                                                       |
| 10   | 00053330          | Hexagon nut         | 2    |                                                       |
| 11   | 01079050          | Current bar         | 1    | Connection to connection point "FR" of drive control  |
| 12   | 01079040          | Current bar         | 1    | Connection to connection point "VMN" of drive control |
| 13   | 01079060          | Driving control     | 1    |                                                       |
| 14   | 03003000          | Transparency        | 4    |                                                       |
| 15   | 01058960          | Fuse                | 1    |                                                       |

**Labels**  
Rev.A 05/11



**Labels (97107304)**  
Rev.A 05/11

| Item | Spare part number | Description                 | Qty. | Remarks |
|------|-------------------|-----------------------------|------|---------|
| 1    | 03009000          | Decal MINUTEMAN             | 2    |         |
| 2    | 03009010          | Decal ERIDE 30              | 1    |         |
| 3    | 01074400          | Decal caustic solution tank | 2    |         |
| 4    | 01071710          | Decal "Instruction manual"  | 1    |         |
| 5    | 01170060          | Decal FOUL WATER            | 1    |         |
| 6    | 01170150          | Decal SOLUTION TANK         | 1    |         |
| 7    | 01175810          | Decal CAUTION               | 2    |         |
| 8    | 01174740          | Decal explosive gazes       | 1    |         |
| 9    | 03009020          | Decal ERIDE Series          | 1    |         |

## Minuteman International Made Simple Commercial Limited Warranty

Minuteman International, Inc. warrants to the original purchaser/user that the product is free from defects in workmanship and materials under normal use. Minuteman will, at its option, repair or replace without charge, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals. All warranty claims must be submitted through and approved by factory authorized repair stations.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as belts, cords, switches, hoses, rubber parts, electrical motor components or adjustments. Parts manufactured by Minuteman are covered by and subject to the warranties and/or guarantees of their manufacturers. Please contact Minuteman for procedures in warranty claims against these manufacturers.

**Special warning to purchaser** -- Use of replacement filters and/or prefilters not manufactured by Minuteman or its designated licensees, will void all warranties expressed or implied. A potential health hazard exists without original equipment replacement.

All warranted items become the sole property of Minuteman or its original manufacturer, whichever the case may be.

Minuteman disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose. Minuteman assumes no responsibility for any special, incidental or consequential damages.

This limited warranty is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. Customers outside the U.S.A. and Canada should contact their local distributor for export warranty policies. Minuteman is not responsible for costs or repairs performed by persons other than those specifically authorized by Minuteman. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, use of non-compatible chemicals, or damage to property, or loss of income due to malfunctions of the product.

If a difficulty develops with this machine, you should contact the dealer from whom it was purchased.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

**Cord Electric Group**..... Three years parts, two years labor, ninety days travel (Not to exceed two hours)

**Exceptions**..... Port-A-Scrub, one year parts, six months labor  
MPV 13, one year parts  
V-14, one year parts, one year labor  
MPV 14 and 18, two years parts, one year labor  
RapidAir blower, one year parts, one year labor  
Explosion-Proof Vacuum, one year parts, one year labor  
X12 and X12H, one year parts, one year labor  
TRS 14, one year parts, one year labor

**Battery Operated Group**..... Three years parts, two years labor, ninety days travel  
(Not to exceed two hours)

**Exceptions**..... Sweepers, one year parts, one year labor, ninety days travel  
(Not to exceed two hours)

**Internal Combustion Group**.... One year parts, one year labor, ninety day travel  
(Not to exceed two hours)

**Battery Chargers**..... One year replacement

**Replacement Parts**..... Ninety days

**Batteries**..... 0-3 months replacement, 4-12 months pro-rate

**Polypropylene Plastic Tanks**... Ten years, no additional labor