

# **INSTRUCTION MANUAL**

## **BATTERY RIDE ON POWER TROWEL BT900BCL**



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Use this guide along with the parts lists attached to locate and identify components of your trowel. When ordering replacement parts, be sure to provide the model number and serial number from the trowel.

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## 1. FOREWORD

### Quality assurance / machine break in

The Beton Trowel Ride-on Trowel is the product of extensive engineering development designed to give long life and unmatched performance. Once machines are fully assembled, a run-in test is performed to ensure quality standards of the highest level. A series of operational tests are conducted on concrete, incorporating a phase of operations at 1/2 to 3/4 throttle and a final run phase at full throttle for a minimum of 20 minutes.

You can help ensure that your Ride-on will perform at top levels by observing a simple routing on first use. Consider that your new Ride-on Trowel is like a new car. Just as you would break in a new car to the road or any new machine to the job, you should start gradually and build up to full use. Learn what your machine can do and how it will respond. Refer to the engine manufacturer's manual for run-in times. Full throttle and control may be used after this time period, as allowed by material. This will serve to further break in the machine on your specific application, as well as provide you with additional practice using the machine.

We thank you for the confidence you have placed in us by purchasing a Beton Trowel Ride-on Trowel and wish you many years of satisfied use.

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### 3. SAFETY PRECAUTIONS

- ❖ Always keep unauthorized, inexperienced, untrained people away from this machine.
- ❖ Rotating and moving parts will cause injury if contacted. Make sure guards are in place. Keep hands and feet away from moving parts.
- ❖ Fuel the machine only when the engine is stopped, using all necessary safety precautions.
- ❖ The engine must always be stopped before attempting any repair or adjustments. Ignition key should be off.



Danger: Never operate the machine in an explosive atmosphere, near combustible materials or where ventilation does not clear exhaust fumes. Repair fuel leaks immediately.

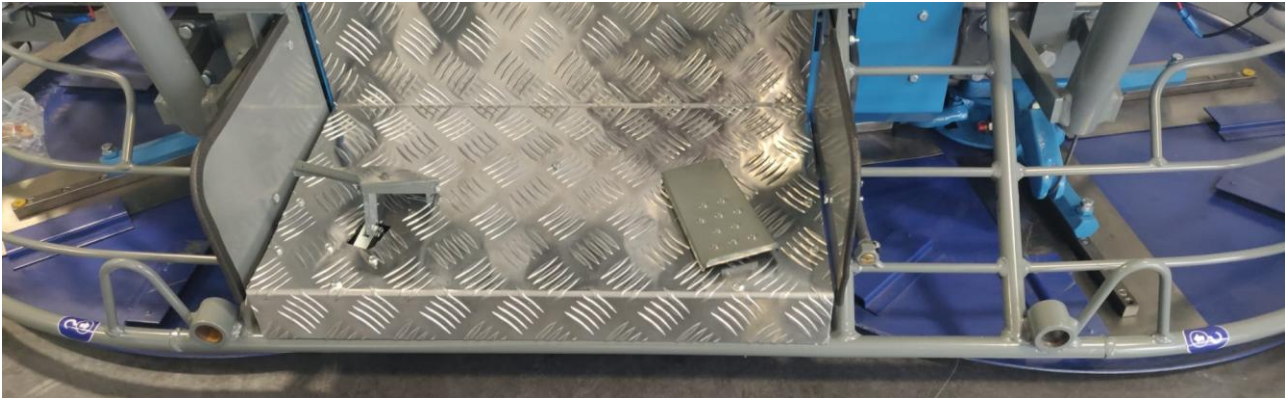
Refer to your engine owner's manual for more safety instructions.

- ❖ Be careful not to come in contact with the muffler when the engine is hot, serious burns may result!
- ❖ Always operate the machine in a seated position to maintain machine balance.
- ❖ The transporter is designed for moving the unit around the job site only. It is not to be used for towing the Ride-On unit off-site.
- ❖ When starting the trowel, do not exceed the ¼ throttle position as recommended. A higher setting could cause the centrifugal clutch to engage, turning the trowel blades.
- ❖ Be careful with the trowel around stub pipes or other obstructions on the floor. Should the machine catch, or hit such an obstruction, serious damage may result to the machine, or operator may be thrown from the machine.
- ❖ Excess surface water may result in sudden loss of control of steering.
- ❖ Disconnect battery before attempting any electrical maintenance.
- ❖ Ensure that the electrical dead-man switch, located on the right hand steering lever is operating. Placing your right hand on the steering lever will engage the safety switch. Removing your hand from the Lever will disengage the safety switch and stop the engine. The engine will not start unless the safety switch is depressed. This safety feature must be used as designed

#### MACHINE LIFTING:

- ❖ There are four lifting points on the machine frame each marked with this symbol.





IMPORTANT: WHEN USING LIFTING CHAINS OR WEBBING USE ALL FOUR LIFTING POINTS ON THE MACHINE FRAME AND ENSURE CHAIN LENGTHS OR WEBBING ARE OF EQUAL LENGTHS IN ORDER TO ENSURE THE MACHINE IS BALANCED AND THAT THE WEIGHT IS DISTRIBUTED EQUALLY



IMPORTANT: UNDER NO CIRCUMSTANCES STAND BENEATH THE MACHINE WHEN HOISTED!

## 4. ASSEMBLY INSTRUCTIONS

### BATTERY – SHIPPED DRY – NO ACID

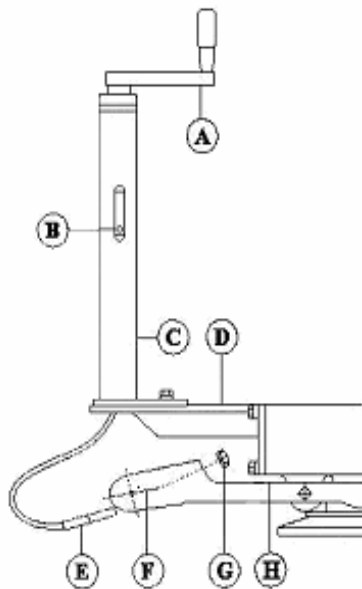
Connect and secure the battery cables before attempting starting procedures.

### STEERING HANDLE ASSEMBLY

The steering handles are shipped ready to connect.

Position the handles over the handle sleeves so that the set-screws (2 per handle) are lined up with the tapped holes on the sleeves. Tighten the set-screws and test the mobility of the handles.

### PITCH CONTROL ASSEMBLY

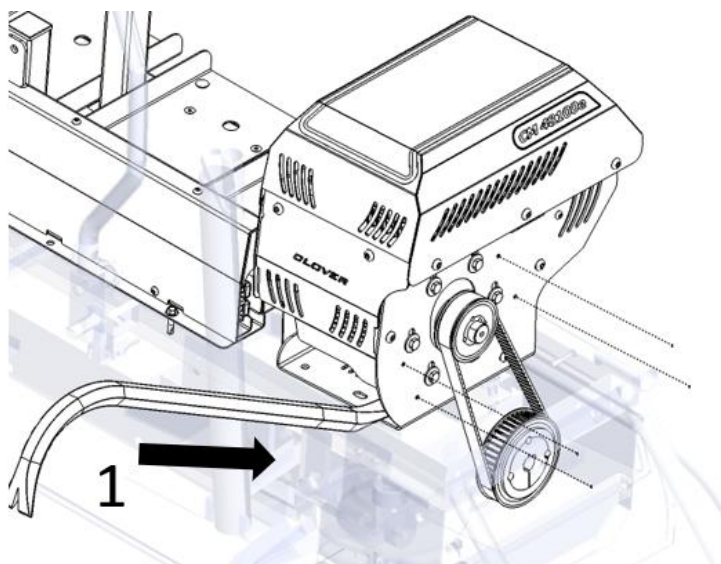


Bolt pitch control tube (C) to pitch control bracket (D) with bolts provided. Put cable end (E) through yoke arm (F) and secure with nylon insert locknut (G). For proper cable adjustment, turn crank (A) counter-clockwise to the stop position. Tighten nut (G) until all slack in the cable is removed. If more than 2 or 3 threads show through the nut, it should be turned back and the guide screw (B) moved to the next lower hole. Tension in the cable should then be readjusted. After adjusting tension, turn hand crank full clockwise (ABOUT 24 TURNS) and check for clearance between the yoke arm (F) and the gear box at point (H). There should be enough space to pass a business card through but not more than 1/8 inch.

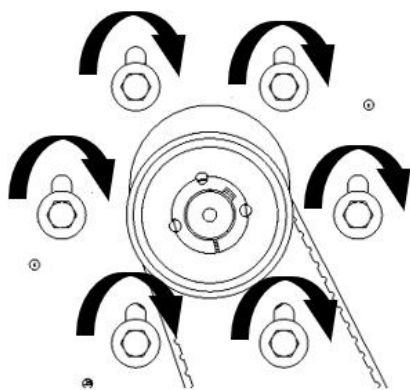
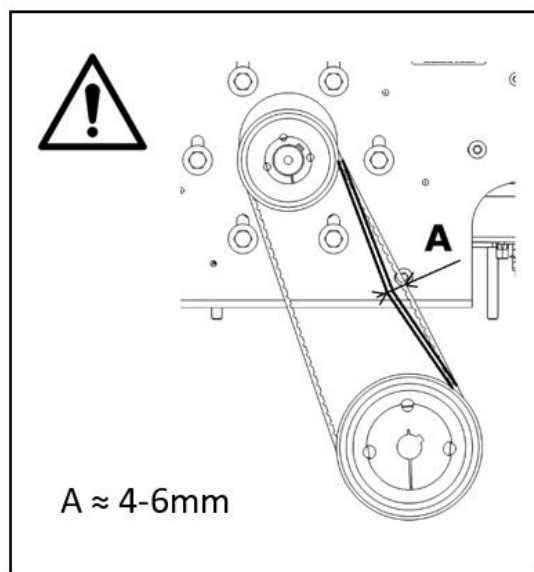
### SEAT ASSEMBLY

Remove protective wrapping from seat. The seat is now ready to secure to the frame using included washers and hex nuts. If the seat adjuster is ordered, the slider bars must be positioned between the seat and the frame using included screws to secure the seat to the sliders, and then securing the sliders to the frame as indicated above.

## TENSIONIN OF THE TIMING BELT



2



3

6x M8 - Tighten 27Nm

## TRANSPORTER ASSEMBLY

The components of the transporter (handle, frame, wheels, and parts bag) are shipped separately, requiring some assembly. Extend the handle outside the frame. Slide the handle along the frame cross-bar to align the hole on the handle with the hole on the "U" frame. Insert the large hitch pin (part #12487) through the hole to secure the handle to the "U" frame. Position one of the wheels on the axle and secure in place by inserting pin (part #10315) into the hole on the end of the axle. Repeat procedure for the other wheel.

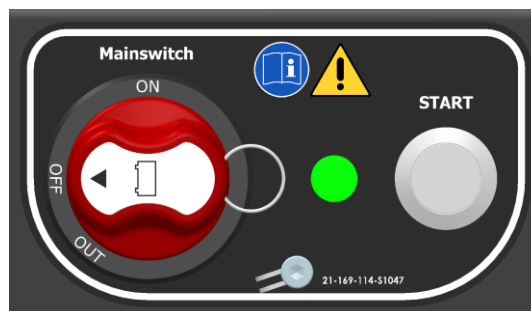


CAUTION: The transporter is designed to be used on the job site only. Do not use the transporter to tow the machine off-site.

## 5. OPERATING INSTRUCTIONS

### OPERATING DASHBOARD

The dashboard is shown below. To start the machine for the first time, the red main switch must be set to ON. Then press start to put power on the contactor. When the machine is turned off, the red button should be set to OFF. on OUT, the red button can be taken completely out of the contactor. When the batteries remain on the machine the machine can be turned on by turning the red button to ON. After this the machine will start immediately without having to press the start button.



### HIGH/LOW SPEED SWITCH

The switch serves to provide a fixed final speed in addition to the stepless foot pedal when the pedal is fully depressed. On position 1 the rotor speed will go up to max 145rpm while on position 0 the speed will go to max 120rpm.



## STARTING PROCEDURES

To start the machine, turn the main power switch to ON. A green lamp lights up on the controller. To run the machine, turn the footthrottle until the desired speed is reached.

A beep will be heard if the correct sequence is not followed.



**Test at each start-up whether the emergency stop levers work properly. The machine should stop when the levers are released. If this is not the case, contact the dealer immediately.**

## TO STOP ENGINE

To stop the machine, release the footpedal. In an emergency, the killswitch is released and the machine is quickly stopped. If the machine has to be turned off, the main power switch has to be turned to OFF.



**Note that the emergency stop lever can always return to its original position. Any blocking using tape or a tyrap can cause serious problems.**

## CHANGING THE BATTERY

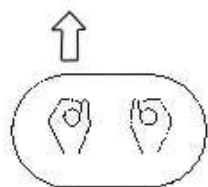
To change the battery, release the emergency stop lever. Then the batteries can be removed from the dock by lifting the battery by the two handles. The battery is positioned by special positioning pins. When the new batteries are placed on the dock, the machine can be put back into operation by following the starting procedure



**If the battery is changed when the killswitch lever is actuated, it is possible that arcing may occur on the connectors. This can shorten the life of the connector. It can also damage the controller internally.**



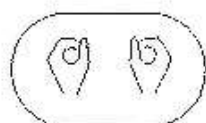
## STEERING



**FORWARD**



**REVERSE**



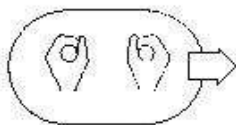
**CLOCKWISE**



**C-CLOCKWISE**



**LEFT**



**RIGHT**

Guiding the machine on the slab is quite simple but does require some familiarity before actually working with the machine. The controls respond as shown in figure 2a below. Test the machine on a finished section of the floor, with the blades in a flat position, and the engine at a low revolution to gain the necessary feel for the steering. For straight line movement, move both handles as one in the direction you wish to travel. Move the handles in opposite directions to produce rotation on the machines axis. Left handle forward, right handle backward for clockwise rotation. Left handle backward, right handle forward, for counter-clockwise rotation. Sideways direction is achieved by sideways movement of the right handle in the required direction of travel.



**WARNING: SERIOUS INJURY OR PROPERTY DAMAGE MAY RESULT DUE TO TEMPORARY LOSS OF CONTROL IF OPERATED WITH EXCESS LIQUID ON THE CONCRETE SURFACE**

## FLOAT/TROWEL PITCH SETTING

Once you are familiar with the steering functions on a flat floor, you are ready to combine the steering with float/trowel pitch settings to produce the finish you require. The pitch adjustment feature of the Beton Trowel RIDE-ON TROWEL permits quick and accurate pitch changes of the finishing/float blades, without having to stop the machine. Turning the adjustment crank-handle at the end of the pitch control tubes enables you to change the pitch whenever necessary to allow for varying conditions over the slap surface.

Each spider plate is adjusted independently. The pitch setting will affect the steering of your unit. Experiment with the settings as you test drive so you will know what to expect.

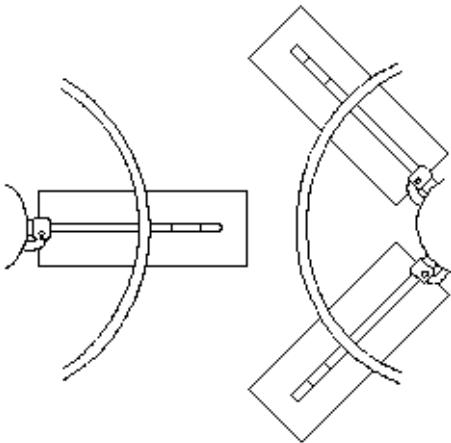


**CAUTION:** Do not let the machine stand in one spot on the soft concrete; This may place unnecessary strain on the clutch to break it free of the concrete. If the unit has been sitting for any length of time, break it free from the concrete before attempting operation.



**CAUTION:** When finishing concrete above grade, erect a situation barrier along the edge of the slab as a protective measure. The barrier must follow all applicable codes and should be such that it will stop the trowel from riding over the edge of the slab in case of loss of control.

## BLADE SYNCHRONIZATION (SPECIALLY MODIFIED UNITS ONLY)



To avoid blades hitting, make sure spider plates are positioned as shown with respect to each other after performing any maintenance.

## TRANSPORTER USE

The transporter is designed to be used on the job site only. Do not use it to tow the machine offsite. The transporter has pick-up brackets located on the inside of the wheels which should be positioned under the pick-up points on the frame. Before connection, the handle will be pointing upwards at approximately a 45 degree angle. Pull the handle down, engaging the transporter and secure the bracket and transporter to the frame by locking the handle bracket in the frame lock by means of the hitch pin. Using the handle as a lever, the ride-on may now be moved. To disconnect the transporter, follow the above steps in reverse

## 6. MAINTENANCE

### PREVENTATIVE MAINTENANCE AND ROUTINE SERVICE PLAN

This trowel has been assembled with care and will provide years of service. Preventative maintenance and routine service are essential to the long life of your trowel. Your dealer is interested in your new machine and has the desire to help you get the most value from it. After reading through this manual thoroughly, you will find that you can do some of the regular maintenance yourself. However, when in need of parts or major service, be sure to see Beton Trowel.

#### DRIVE UNIT

The Drive unit is virtually maintenance-free. There are, however, a few points that need to be checked.

|                                   | At start-up | Monthly | Annual |
|-----------------------------------|-------------|---------|--------|
| Check condition of drive belt     |             |         | X      |
| Drive belt tension                |             | X       | X      |
| Operation of emergency stop lever | X           | X       | X      |
| Connectors*                       |             | X       | X      |

\* The connectors may be damaged by arcing.

## FAULTS

The table below shows various faults, their possible causes and suggested solutions.

| Failure                                      | Possible cause                      | Possible solution(s)             |
|----------------------------------------------|-------------------------------------|----------------------------------|
| Engine does not start                        | - Battery not correctly positioned  | - Checking the battery position  |
|                                              | - Main switch is off                | - Switch the main switch to ON   |
|                                              | - Fuse has blown                    | - Fuse replacement*              |
|                                              | - Battery is empty or not connected | - Battery charging or connect    |
| Engine runs but rotor does not turn          | - Pulleys are not coupled to shafts | - Secure pulleys to axle*.       |
|                                              | - Toothed belt is broken            | - Toothed belt replacement*      |
| Throttle is actuated but engine does not run | - Main switch is off                | - Switch the main switch to ON   |
|                                              | - Broken cable                      | - Replace cable*                 |
|                                              | - Killswitch pedal is not operated  | - Operating the killswitch lever |



**\* These solutions must be carried out by the manufacturer or an authorised service technician. In the event of underlying causes, please contact us at all times.**



**\*\* Be sure levers and/or pedals are functioning properly. Cured concrete can be a possible cause of malfunctions.**

## LUBRICATION OF THE LOW RIDER

### SPIDER PLATE

There are 8 (eight) grease fittings on the spider plates, 4 (four) on each must be greased daily.  
SPIDER PLATES MUST BE GREASED EVERY TIME MACHINE IS USED.

### GEARBOX

Check the oil level sight plugs on both gearboxes daily to ensure the oil is half way on the site glass. Top up with Agma 8 compounded gear oil only. Gearbox capacity on the BT900 is 27oz./767ml.

### TO CHANGE GEARBOX OIL

Place a pan beneath the drain plug to catch the oil. Remove the drain plug and the filler plug from the gearbox. After the oil has drained completely, replace the drain plug and tighten. Fill the gearbox through the filler plug with 27oz./767ml. of Agma 8 compounded gear oil. Replace the filler plug and tighten.

## GREASE FITTINGS

There are 6 bearings in total. Grease all bearings and U-joints to ensure adequate supply of lubricant. They are located above the gearboxes (2 per gearbox) and 2 located in the drive system. The U-joints are located in the drive system as well.

## MAINTENANCE PLAN

| Routine Service Intervals<br>- Continued - |                 | Each<br>use | After 1.5<br>months<br>or<br>50 hrs | Each 3<br>months<br>or<br>100 hrs | Each 6<br>months<br>or<br>200 hrs | Each 9<br>months<br>or<br>300 hrs | Each 12<br>months<br>or<br>400 hrs |
|--------------------------------------------|-----------------|-------------|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| <b>Drive Train:</b>                        |                 |             |                                     |                                   |                                   |                                   |                                    |
| Bearings                                   | Lubricate       | o           | o                                   | o                                 | o                                 | o                                 | o                                  |
| Universal couplings                        | Lubricate       |             |                                     | o                                 | o                                 | o                                 | o                                  |
| Belt tension / Condition                   | Check           | o           | o                                   | o                                 | o                                 | o                                 | o                                  |
| Clutch / Pulley operation                  | Check           | o           | o                                   | o                                 | o                                 | o                                 | o                                  |
| LH spider plate assembly                   | Check           | o           |                                     | o                                 | o                                 | o                                 | o                                  |
|                                            | Lubricate       | o           | o                                   | o                                 | o                                 | o                                 | o                                  |
| RH spider plate assembly                   | Check           | o           |                                     | o                                 | o                                 | o                                 | o                                  |
|                                            | Lubricate       | o           | o                                   | o                                 | o                                 | o                                 | o                                  |
| <b>Gearboxes:</b>                          |                 |             |                                     |                                   |                                   |                                   |                                    |
| LH Gearbox oil                             | Check Level     | o           | o                                   | o                                 | o                                 | o                                 | o                                  |
|                                            | Change          |             |                                     |                                   | o                                 |                                   | o                                  |
| RH Gearbox oil                             | Check Level     | o           | o                                   | o                                 | o                                 | o                                 | o                                  |
|                                            | Change          |             |                                     |                                   | o                                 |                                   | o                                  |
| Gearbox breathers                          | Check operation |             |                                     | o                                 | o                                 | o                                 | o                                  |
| <b>Retardant Spray System:</b>             |                 |             |                                     |                                   |                                   |                                   |                                    |
| Water pump operation                       | Check           | o           | o                                   | o                                 | o                                 | o                                 | o                                  |
| Spray nozzles                              | Clean           | o           |                                     |                                   |                                   |                                   |                                    |
| Retardant Fluid                            | Check levels    | o           |                                     |                                   |                                   |                                   |                                    |

| Routine Service Intervals  |                 | Each use | After 1.5 months or 50 hrs | Each 3 months or 100 hrs | Each 6 months or 200 hrs | Each 9 months or 300 hrs | Each 12 months or 400 hrs |
|----------------------------|-----------------|----------|----------------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| <b>General Inspection:</b> |                 |          |                            |                          |                          |                          |                           |
| Operation of lights        | Check           |          | o                          | o                        | o                        | o                        | o                         |
| Battery                    | Clean & Check   |          |                            | o                        | o                        | o                        | o                         |
|                            | Recharge        |          |                            | o                        | o                        | o                        | o                         |
|                            | Replace         |          |                            |                          |                          |                          | 2 yrs                     |
| Guards                     | Check           | o        | o                          | o                        | o                        | o                        | o                         |
| Warning stickers           | Check           |          | o                          | o                        | o                        | o                        | o                         |
| Test run:                  | Check operation |          | o                          | o                        | o                        | o                        | o                         |
| <b>Controls:</b>           |                 |          |                            |                          |                          |                          |                           |
| Dead-man switch operation  | Check           | o        | o                          | o                        | o                        | o                        | o                         |
| Throttle pedal operation   | Check           | o        | o                          | o                        | o                        | o                        | o                         |
| Steering linkages          | Check           | o        | o                          | o                        | o                        | o                        | o                         |
|                            | Lubricate       |          | o                          | o                        | o                        | o                        | o                         |
|                            | Replace         |          |                            |                          |                          |                          | As req'd                  |
| Pitch control levers       | Check           | o        | o                          | o                        | o                        | o                        | o                         |
|                            | Lubricate       |          | o                          | o                        | o                        | o                        | o                         |
| Joystick controls (N/A)    | Check           | o        |                            |                          |                          |                          |                           |
| Hydraulic system (N/A)     | Check levels    |          |                            | o                        | o                        | o                        | o                         |
|                            | Check hoses     |          |                            | o                        | o                        | o                        | o                         |
|                            | Replace hoses   |          |                            |                          |                          |                          | 2 yrs                     |
| <b>Engine:</b>             |                 |          |                            |                          |                          |                          |                           |
| Fuel pipes & clamps        | Check           |          | o                          | o                        | o                        | o                        | o                         |
|                            | Replace         |          |                            |                          |                          |                          | 2 yrs                     |
| Engine oil                 | Check Level     | o        | o                          | o                        | o                        | o                        | o                         |
|                            | Change          |          | o                          |                          | o                        |                          | o                         |
| Engine oil filter          | Replace         |          |                            |                          | o                        |                          | o                         |
| Oil cooler                 | Clean           |          |                            | o                        | o                        | o                        | o                         |
| Cooling Fins               | Clean           |          | o                          | o                        | o                        | o                        | o                         |
| Air cleaner                | Check - clean   | o        | o                          | o                        | o                        | o                        | o                         |
|                            | Replace         |          |                            |                          |                          |                          | o                         |
| Air Intake Line            | Check           |          |                            |                          | o                        |                          |                           |
|                            | Replace         |          |                            |                          |                          |                          | 2 yrs                     |
| Fan Belt                   | Check tightness |          |                            |                          | o                        |                          | o                         |
|                            | Replace         |          |                            |                          |                          |                          | 500 hrs                   |
| Valve clearance            | Check-adjust    |          |                            |                          | o                        |                          | o                         |
| Fuel filter                | Check & Clean   |          |                            | o                        | o                        | o                        | o                         |
|                            | Replace         |          |                            |                          | o                        |                          | o                         |
| Fuel Tank                  | Clean           |          |                            |                          |                          |                          | 500 hrs                   |
| Fuel Injection Nozzles     | Check pressure  |          |                            |                          |                          |                          | 500 hrs                   |
| Fuel Injection Timer       | Check           |          |                            |                          |                          |                          | 500 hrs                   |
| Injection Pump             | Check           |          |                            |                          |                          |                          | 500 hrs                   |
| Engine wiring              | Check           |          |                            |                          |                          |                          | o                         |

## SERVICE

- ❖ Due to the nature and environment of use, power trowels are exposed to severe operating conditions.
- ❖ Some general maintenance guidelines will extend the useful life of your trowel.
- ❖ The initial service for your power trowel should be performed after 25 hours of use, at which time your mechanic (or authorized repair shop) should complete all of the recommended checks in the schedule above.
- ❖ Regular service according to the schedule above will prolong the life of the power trowel and prevent expensive repairs.
- ❖ Keeping your power trowel clean and free from concrete residue is the single most important regular maintenance operation, over and above the checks in the service schedule above, that can be performed.

Components such as oil seals, belts, drive line parts and bearings are prone to premature wear from exposure to concrete residue. Using a spray-on release agent on your power trowel before each use will make clean-up after use easy and extend the time between replacement of most of the wearing components of the machine.
- ❖ After each use your power trowel should be cleaned to remove any concrete residue from the undercarriage and surrounding components. Use of a power washer will make clean up quick and easy, especially if a release agent was applied prior to use.
- ❖ In the Service Schedule above, items that should be checked, replaced or adjusted are indicated by "o" in the appropriate column. Not all power trowel models include the same features and options and as such not all service operations may have to be performed. For ease of recording place a checkmark (✓) through the "o" when the item is complete. If an item is not required or not completed place an "x" through the "o" in the box.
- ❖ For all fuel-line powered trowels the governed speed of the engine is 2000 to 3600 rpm. See engine manufacturer's manual for exact specifications. Care should be used when making any adjustments to the power trowel not to change the governed speed. Increasing the governed speed of the engine may lead to premature failure and void the manufacturer's warranty.
- ❖ Failure to have your power trowel regularly serviced and properly maintained in accordance with the manufacturer's instructions will lead to premature failure and void the warranty.

## 7. LABELS

| SAFETY PRECAUTIONS                                                                  |                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p> <b>DANGER</b></p> <p><b>EXPLOSION HAZARD</b><br/>Never operate the machine in an explosive atmosphere, near combustible materials or where ventilation does not clear exhaust fumes.</p>                       |
|    | <p><b>WARNING</b></p> <p><b>BURN HAZARD</b><br/>Never come into contact with the engine or muffler when engine is operating or shortly after it is turned off. Serious burns may occur.</p>                                                                                                         |
|   | <p> <b>CAUTION</b></p> <p><b>ROTATING HAZARD</b><br/>Never place hands or feet inside safety guard rings. Serious injury will result from contact with rotating blades.</p>                                      |
|  | <p> <b>CAUTION</b></p> <p><b>MOVING PARTS</b><br/>Before starting the machine ensure that all guards and safety devices are in place and functioning properly.</p>                                               |
|  | <p> <b>ATTENTION</b></p> <p><b>READ OWNERS MANUAL</b><br/>Read and understand operator's manual before using this machine. Failure to follow operating instructions could result in serious injury or death.</p> |

## 8. TECHNICAL DATA DRIVE UNIT

### Engine

---

|       |           |     |
|-------|-----------|-----|
| Type  | Brushless | DC  |
| Power | 10.0      | kW  |
| Speed | 4200      | RPM |

### Electric system

---

|                 |     |   |
|-----------------|-----|---|
| Voltage         | 48  | V |
| Control voltage | 12  | V |
| Fuse            | 5   | A |
| Main switch     | 400 | A |

### Battery 30Ah

---

|                     |      |         |
|---------------------|------|---------|
| Capacity            | 1536 | Wh      |
| Charge time 100%    | 55   | minutes |
| Battery change time | 3    | sec     |
| Weight              | 15.9 | kg      |

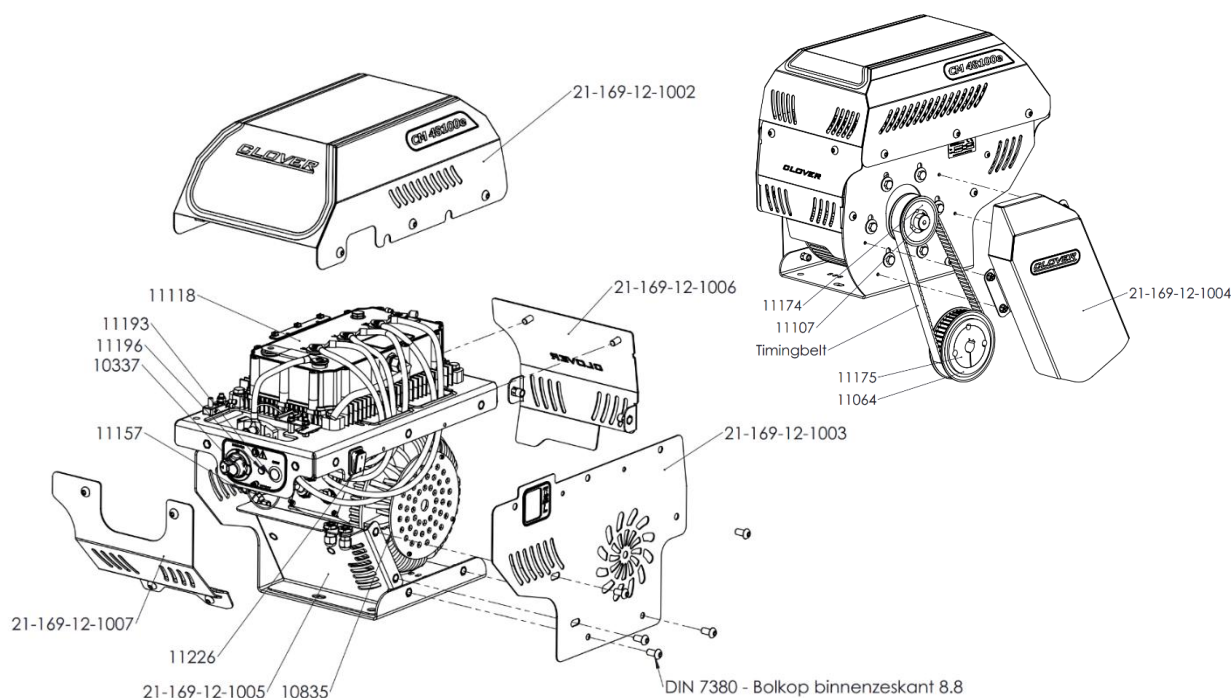
### Dimensions

---

|                        |     |    |
|------------------------|-----|----|
| Length                 | 390 | mm |
| Width                  | 250 | mm |
| Height                 | 390 | mm |
| Weight (excl. battery) | 32  | kg |

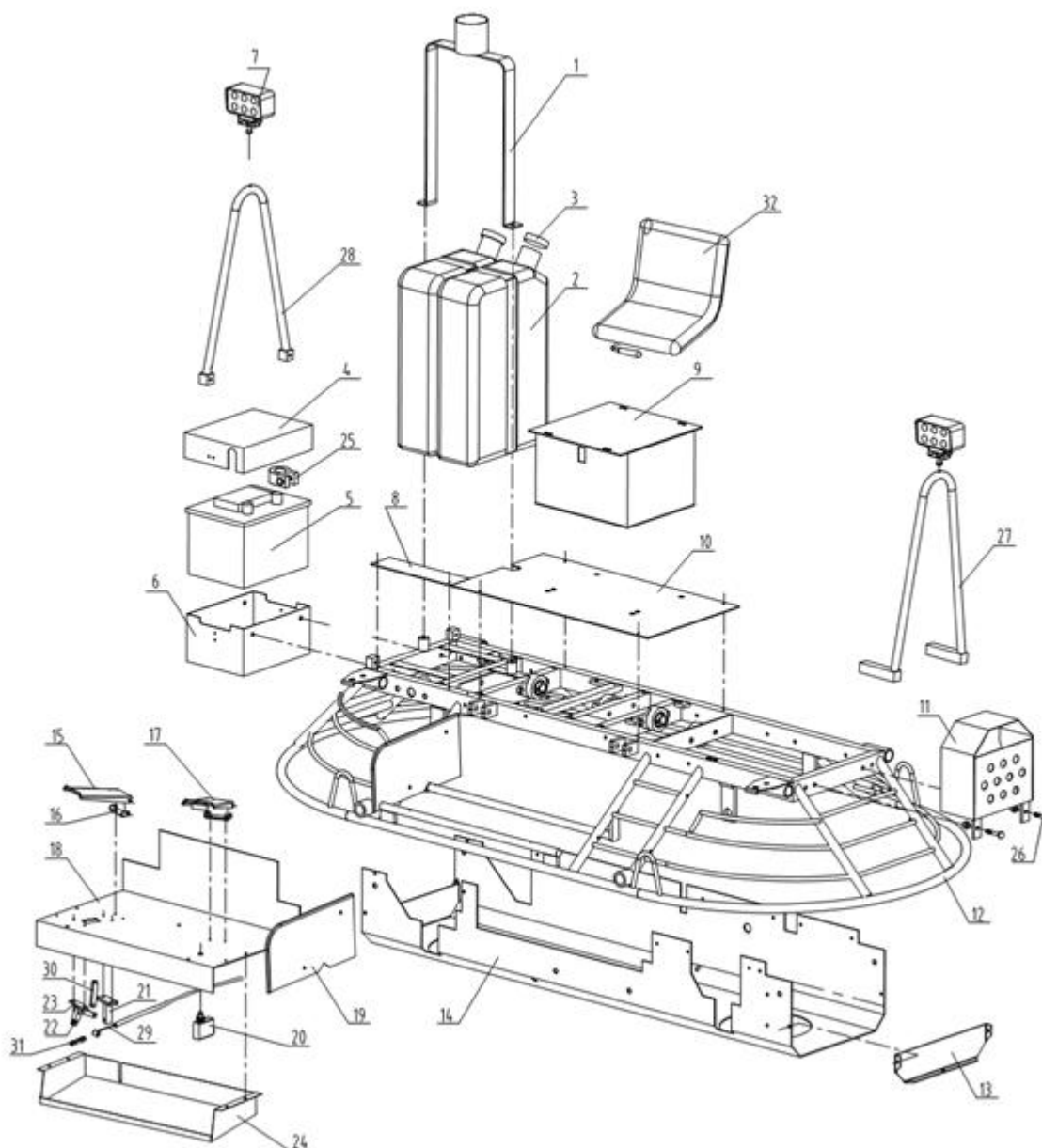
## 9. PARTS

### DRIVE UNIT COMPONENTS



| Part number    | Description           |
|----------------|-----------------------|
| 11118          | Controller            |
| 11193          | Start Switch          |
| 11196          | Powerlight            |
| 10337          | Mainswitch            |
| 11157          | Relay                 |
| 11226          | High/Low speed switch |
| 10835          | Motor                 |
| 21-169-12-1002 | Cover controller      |
| 21-169-12-1006 | Frontcover            |
| 21-169-12-1003 | Sidecover             |
| 21-169-12-1005 | Glandplate            |
| 21-169-12-1007 | Backplate             |
| 21-169-12-1004 | Cover timingbelt      |
| 11174          | Timing pulley         |
| 11107          | Taperbush             |
| 11064          | Timing pulley         |
| 11175          | Taperbush             |
|                |                       |
|                |                       |

## FRAMEWORK AND GUARD RING

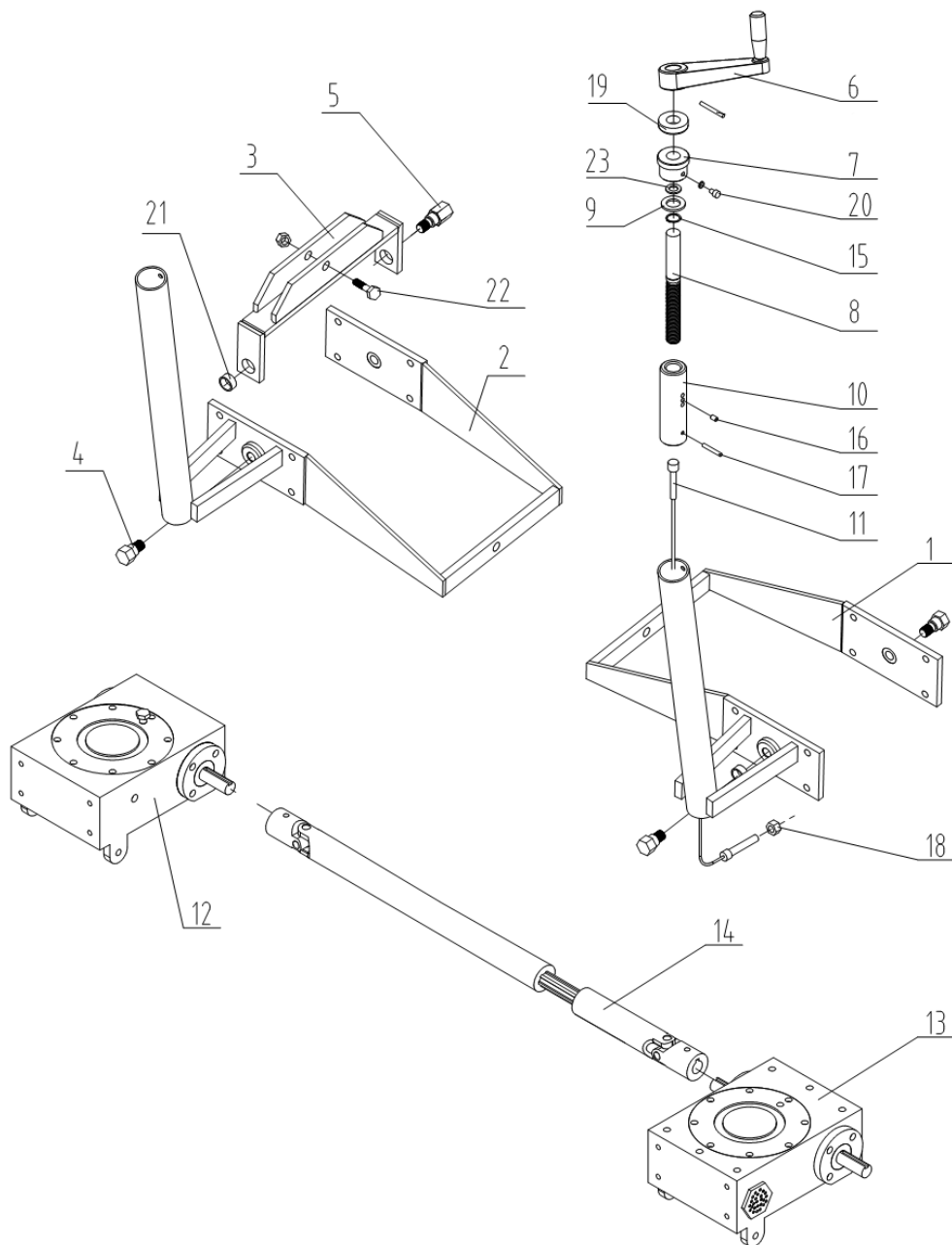


| Item No. | Part No. | Description | Qty. |
|----------|----------|-------------|------|
| 1        | 8361378A | TANK HOOP   | 1    |

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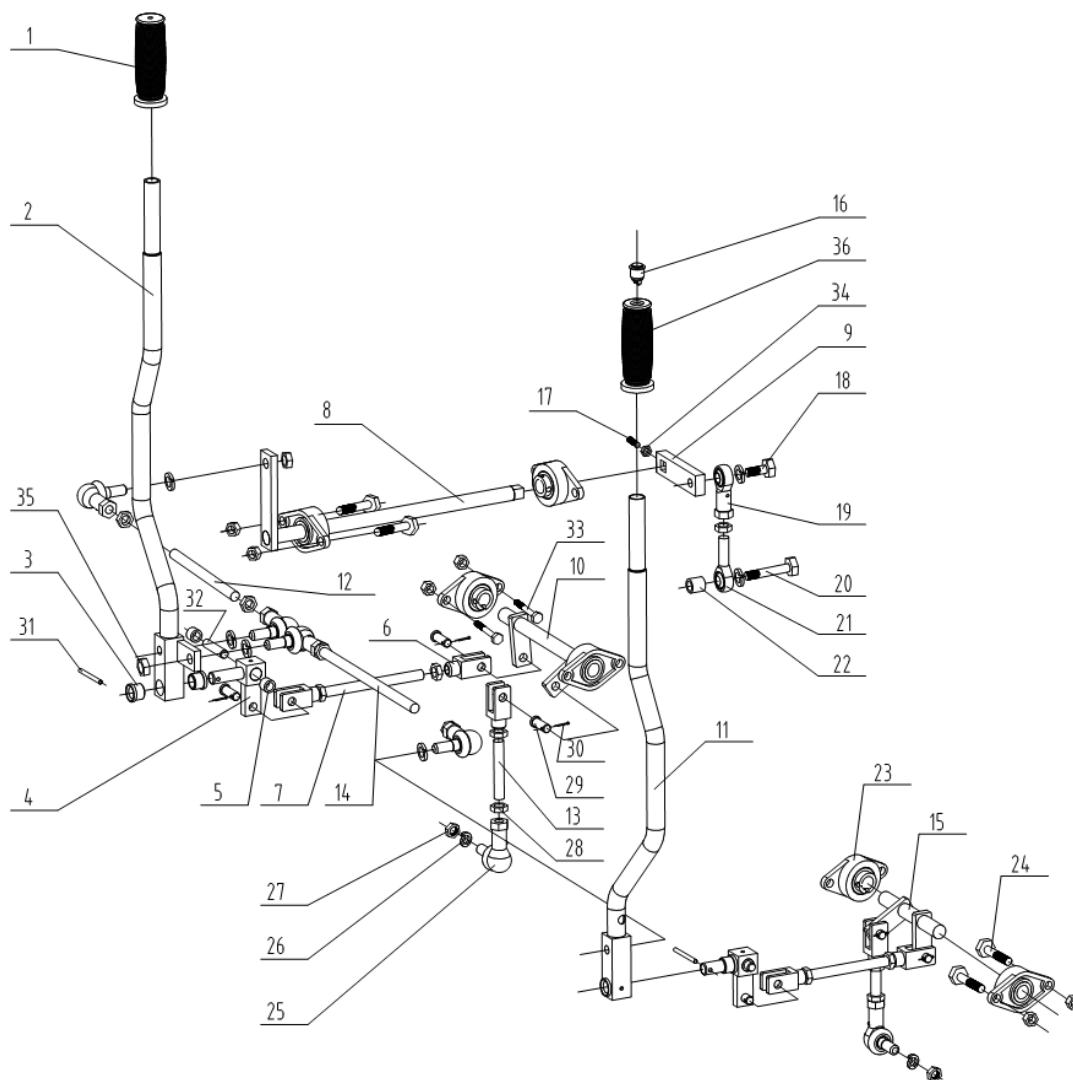
|    |           |                     |   |
|----|-----------|---------------------|---|
| 2  | 8361073PL | WATER/PETROL TANK   | 2 |
| 3  | 8360199A  | WATER TANK CAP      | 1 |
|    | 8360199B  | PETROL TANK CAP     | 1 |
| 4  | 8360463   | BOX COVER           | 1 |
| 5  | 8360019   | BATTERY             | 1 |
| 6  | 8360464   | BATTERY BOX         | 1 |
| 7  | 9970      | LED LIGHT           | 2 |
| 8  | 8360455   | COVER PLATE         | 1 |
| 9  | 8360879   | SEAT FRAME          | 1 |
| 10 | 8360454   | COVER PLATE         | 1 |
| 11 | 8360459   | BELT GUARD          | 1 |
| 12 | 8360452   | GUARD RING          | 1 |
| 13 | 8360538A  | SIDE PLATE          | 2 |
| 14 | 8360538   | BOTTOM COVER        | 1 |
| 15 | 8360592A  | THROTTLE PEDAL      | 1 |
| 16 | 8360592C  | PEDAL CONNECTOR     | 2 |
| 17 | 8361062A  | SAFETY SWITCH PEDAL | 1 |
| 18 | 8361436   | FOOT PLATE          | 1 |
| 19 | 8360452D6 | SIDE PLATE          | 2 |
| 20 | 9555      | SAFETY SWITCH       | 1 |
| 21 | 8361428   | CONNECTOR           | 1 |
| 22 | 8361431   | CONNECTOR           | 1 |
| 23 | 8361426   | CONNECTOR           | 1 |
| 24 | 8361437   | BOTTOM PLATE        | 1 |
| 25 | 8360968   | BATTERY CLAMP       | 1 |
| 26 | 9040      | BOLT                | 2 |
|    | 9236      | NUT                 | 2 |
| 27 | 8361421L  | LIGHT FRAME         | 1 |
| 28 | 8361421R  | LIGHT FRAME         | 1 |
| 29 | 836G840   | THROTTLE CABLE      | 1 |
| 30 | 8361425   | CONNECTOR           | 1 |
| 31 | 9411      | SPRING              | 1 |
| 32 | 8360453   | SEAT                | 1 |

## STEERING SYSTEM



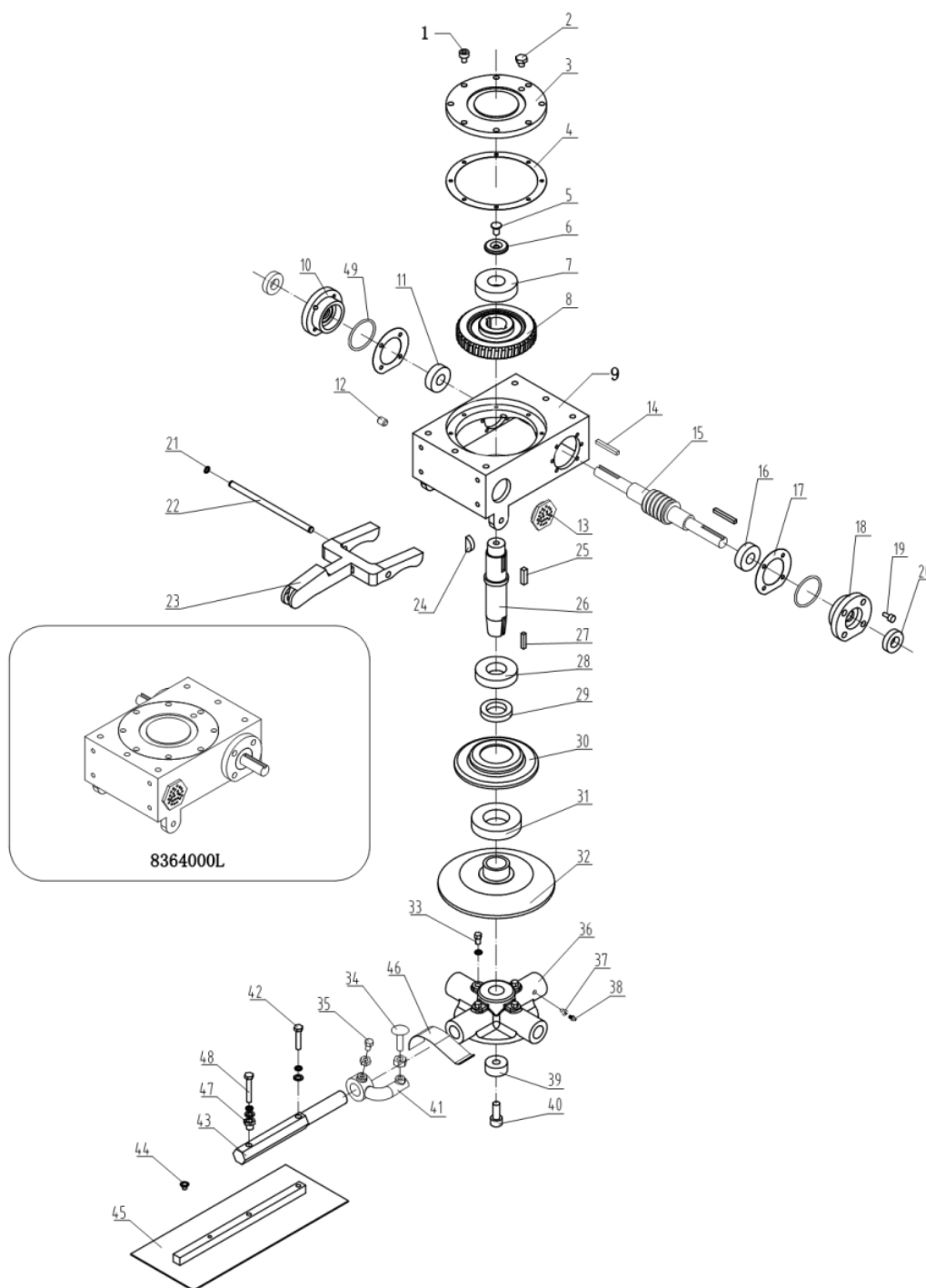
| Item No. | Part No.   | Description    | Qty. |
|----------|------------|----------------|------|
| 1        | 8360484B   | LEFT BRACKET   | 1    |
| 2        | 8360491B   | RIGHT BRACKET  | 1    |
| 3        | 8360494A   | BRACKET        | 1    |
| 4        | 8360485A   | BOLT           | 3    |
| 5        | 8360492A   | BOLT           | 1    |
| 6        | B8360470   | PITCH HANDLE   | 2    |
| 7        | 4465502    | BUSHING        | 2    |
| 8        | 4365503    | ADJUST SHAFT   | 2    |
| 9        | 4365504    | SPACER         | 4    |
| 10       | 4465505    | BUSHING        | 2    |
| 11       | 8360973    | CABLE          | 2    |
| 12       | 8364000R   | RIGHT GEARBOX  | 1    |
| 13       | 8364000L   | LEFT GEARBOX   | 1    |
| 14       | 8360488    | DRIVE COUPLING | 1    |
| 15       | 9027       | RETAINER       | 2    |
| 16       | 9028       | SCREW          | 2    |
| 17       | 9157A      | PIN            | 4    |
| 18       | 9016       | NUT            | 2    |
| 19       | 9025       | BEARING        | 2    |
| 20       | 9093       | BOLT           | 2    |
|          | 9022       | SPRING WASHER  | 2    |
| 21       | 8360494C1A | BUSHING        | 4    |
| 22       | 9511       | BOLT           | 1    |
|          | 9513       | NUT            | 1    |
| 23       | 9033       | SPRING WASHER  | 2    |

## OPERATING SYSTEM



| Item No. | Part No. | Description        | Qty. |
|----------|----------|--------------------|------|
| 1        | 9035     | GRIP               | 1    |
| 2        | 8361975  | RIGHT DRIVE LEVER  | 1    |
| 3        | 8361194  | BUSHING            | 4    |
| 4        | 8360501  | CONNECTOR          | 2    |
| 5        | 8361195  | BUSHING            | 4    |
| 6        | 8360495  | CONNECTOR          | 6    |
| 7        | 8360506  | ROD                | 2    |
| 8        | 8360515  | CONNECTING SHAFT   | 1    |
| 9        | 8360512  | PLATE              | 1    |
| 10       | 8360510  | CONNECTOR          | 1    |
| 11       | 8361976  | LEFT DRIVE LEVER   | 1    |
| 12       | 8360504  | ROD                | 1    |
| 13       | 8360508  | ROD                | 2    |
| 14       | 8360507  | ROD                | 1    |
| 15       | 8360511  | CONNECTOR          | 1    |
| 16       | 9910     | WATER SPRAY BUTTON | 1    |
| 17       | 9114     | SCREW              | 1    |
| 18       | 9512A    | BOLT               | 1    |
| 19       | 9501     | CONNECTING BEARING | 1    |
| 20       | 9511     | BOLT               | 1    |
| 21       | 9500     | CONNECTING BEARING | 1    |
| 22       | 8360053  | BUSHING            | 1    |
| 23       | 8360509  | BEARING            | 6    |
| 24       | 9559     | BOLT               | 2    |
|          | 9508     | WASHER             | 2    |
|          | 9259     | NUT                | 2    |
| 25       | 8360505  | CONNECTING BEARING | 6    |
| 26       | 9504     | SPRING WASHER      | 9    |
| 27       | 9513     | NUT                | 2    |
| 28       | 9514     | NUT                | 13   |
| 29       | 9505     | PIN                | 6    |
| 30       | 9506     | PIN                | 6    |
| 31       | 9157A    | PIN                | 2    |
| 32       | 9510     | PIN                | 2    |
| 33       | 9507A    | BOLT               | 10   |
|          | 9508     | WASHER             | 10   |
|          | 9259     | NUT                | 10   |
| 34       | 9112     | NUT                | 1    |
| 35       | 9503     | NUT                | 2    |
| 36       | 9035A    | GRIP               | 1    |

## GEARBOX ASSEMBLY LEFT

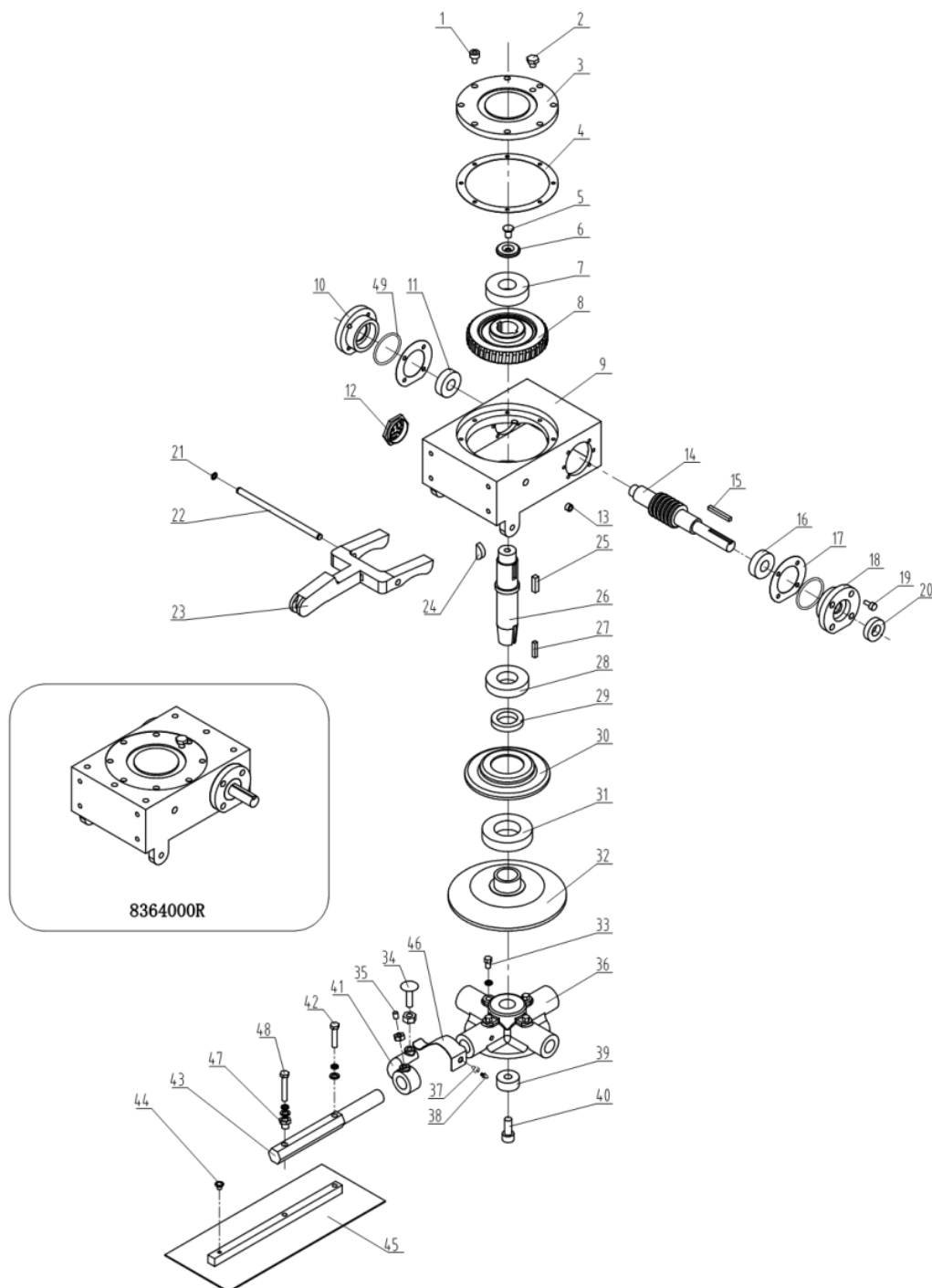


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| Item No. | Part No. | Description          | Qty. |
|----------|----------|----------------------|------|
| 1        | 9118     | SCREW                | 8    |
| 2        | 4364100  | RELEASE VALVE        | 2    |
| 3        | 8364005  | GEARBOX COVER        | 1    |
| 4        | 4464008  | SHIMMING             | 1    |
| 5        | 4364007  | SCREW                | 1    |
| 6        | 4364006  | PRESSURE WASHER      | 1    |
| 7        | 9144     | BEARING              | 1    |
| 8        | 8364010L | BRONZE GEAR, LEFT    | 1    |
| 9        | 8364003L | GEARBOX CASING, LEFT | 1    |
| 10       | 4464012  | BEARING FLANGE       | 1    |
| 11       | 9143     | BEARING              | 1    |
| 12       | 9053     | PLUG                 | 2    |
| 13       | 9064     | GLASS EYE            | 1    |
| 14       | 9532     | KEY                  | 2    |
| 15       | 8364013L | COUNTER SHAFT, LEFT  | 1    |
| 16       | 9141     | BEARING              | 1    |
| 17       | 4464015  | SHIMMING             | 2    |
| 18       | 8364014  | BEARING FLANGE       | 1    |
| 19       | 9043     | SCREW                | 12   |
| 20       | 9055H    | SEAL                 | 2    |
| 21       | 9202     | RETAINER             | 2    |
| 22       | 4465509  | SHAFT, YOKE ARM      | 1    |
| 23       | 4465510  | YOKE ARM             | 1    |
| 24       | 9156     | KEY                  | 1    |
| 25       | 9531     | KEY                  | 1    |
| 26       | 8364011L | MAIN SHAFT, LEFT     | 1    |
| 27       | 9154     | KEY                  | 1    |
| 28       | 9222A    | BEARING              | 1    |
| 29       | 9153     | SEAL                 | 1    |
| 30       | 4466002  | PRESSURE PLATE COVER | 1    |
| 31       | 9140     | BEARING              | 1    |
| 32       | 8366003  | PRESSURE PLATE       | 1    |
| 33       | 9066     | SCREW                | 4    |
|          | 9046     | SPRING WASHER        | 4    |
| 34       | 9067     | SCREW                | 4    |
|          | 9059     | NUT                  | 4    |
| 35       | 9540     | SCREW                | 4    |
|          | 9059     | NUT                  | 4    |

| Item No. | Part No. | Description        | Qty. |
|----------|----------|--------------------|------|
| 36       | 8366005L | SPIDER PLATE, LEFT | 1    |
| 37       | 8366008  | BUSHING            | 4    |
| 38       | 9502     | NIPPLE             | 4    |
| 39       | 4466004  | BUSHING            | 1    |
| 40       | 9068     | BOLT               | 1    |
| 41       | 4466006  | LIFT LEVER         | 4    |
| 42       | 9040     | BOLT               | 4    |
|          | 9037     | SPRING WASHER      | 4    |
|          | 9038     | WASHER             | 4    |
| 43       | 8366001  | TROWEL ARM         | 4    |
| 44       | 9072     | PLUG               | 4    |
| 45       | 4366100G | BLADE              | 4    |
| 46       | 8366007L | RETURNING SPRING   | 4    |
| 47       | 4366007A | BUSHING            | 4    |
| 48       | 9215     | BOLT               | 4    |
|          | 9037     | SPRING WASHER      | 4    |
|          | 9038     | WASHER             | 4    |
| 49       | 9152     | SEAL               | 2    |

## GEARBOX ASSEMBLY RIGHT



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| Item No. | Part No. | Description           | Qty. |
|----------|----------|-----------------------|------|
| 1        | 9118     | SCREW                 | 8    |
| 2        | 4364100  | RELEASE VALVE         | 2    |
| 3        | 8364005  | GEARBOX COVER         | 1    |
| 4        | 4464008  | SHIMMING              | 1    |
| 5        | 9145     | SCREW                 | 1    |
| 6        | 4364006  | PRESSURE WASHER       | 1    |
| 7        | 9144     | BEARING               | 1    |
| 8        | 8364010R | BRONZE GEAR, RIGHT    | 1    |
| 9        | 8364003R | GEARBOX CASING, RIGHT | 1    |
| 10       | 4464014  | BEARING FLANGE        | 1    |
| 11       | 9141     | BEARING               | 1    |
| 12       | 9064     | GLASS EYE             | 1    |
| 13       | 9053     | PLUG                  | 2    |
| 14       | 8364013R | COUNTER SHAFT, RIGHT  | 1    |
| 15       | 9532     | KEY                   | 1    |
| 16       | 9143     | BEARING               | 1    |
| 17       | 4464015  | SHIMMING              | 2    |
| 18       | 4464012  | BEARING FLANGE        | 1    |
| 19       | 9043     | SCREW                 | 12   |
| 20       | 9055H    | SEAL                  | 1    |
| 21       | 9202     | RETAINER              | 2    |
| 22       | 4465509  | SHAFT, YOKE ARM       | 1    |
| 23       | 4465510  | YOKE ARM              | 1    |
| 24       | 9156     | KEY                   | 1    |
| 25       | 9531     | KEY                   | 1    |
| 26       | 8364011R | MAIN SHAFT, RIGHT     | 1    |
| 27       | 9154     | KEY                   | 1    |
| 28       | 9222A    | BEARING               | 1    |
| 29       | 9153     | SEAL                  | 1    |
| 30       | 4466002  | PRESSURE PLATE COVER  | 1    |
| 31       | 9140     | BEARING               | 1    |
| 32       | 8366003  | PRESSURE PLATE        | 1    |
| 33       | 9066     | SCREW                 | 4    |
|          | 9046     | SPRING WASHER         | 4    |
| 34       | 9067     | SCREW                 | 4    |
|          | 9059     | NUT                   | 4    |

| <u>Item No.</u> | <u>Part No.</u> | <u>Description</u>  | <u>Qty.</u> |
|-----------------|-----------------|---------------------|-------------|
| 35              | 9540            | SCREW               | 4           |
|                 | 9059            | NUT                 | 4           |
| 36              | 8366005R        | SPIDER PLATE, RIGHT | 1           |
| 37              | 8366008         | BUSHING             | 4           |
| 38              | 9502            | NIPPLE              | 4           |
| 39              | 4466004         | BUSHING             | 1           |
| 40              | 9068            | BOLT                | 1           |
| 41              | 8366006         | LIFT LEVER          | 4           |
| 42              | 9040            | BOLT                | 4           |
|                 | 9037            | SPRING WASHER       | 4           |
|                 | 9038            | WASHER              | 4           |
| 43              | 8366001         | TROWEL ARM          | 4           |
| 44              | 9072            | PLUG                | 4           |
| 45              | 4366100G        | BLADE               | 4           |
| 46              | 8366007R        | RETURNING SPRING    | 4           |
| 47              | 4366007A        | BUSHING             | 4           |
| 48              | 9215            | BOLT                | 4           |
|                 | 9037            | SPRING WASHER       | 4           |
|                 | 9038            | WASHER              | 4           |
| 49              | 9152            | SEAL                | 2           |

**DECLARATION OF CONFORMITY / CERTIFICAT DE CONFORMITE /  
GELIJKVORMIGHHEIDSCERTIFICAAT / DECLARACION DE CONFORMIDAD /  
DECLARACAO DE CONCORMIDADE / DICHIARAZIONE DI CONFORMITA**

**Model : BT900BCL**

**We Beton Trowel BV**

Declare under our sole responsibility that the product to which this declaration relates is in conformity with the following standards or other normative documents.

Declarons sous notre responsabilite que le produit cette declaration est conforme aux norms suivantes ou d'autres documents habituels.

Verklaren onder onze verantwoordelijkheid dat het product naar welke de verklaring verwijst conform de volgende standards of anders gebruikelijke documenten is.

Declaramos bajo nuestra unica responsabilidad que el producto en lo que esta declaracion concierne, es conforme con la siguiente normative u otros documentos.

Declara sob sua responsabilidade que o produto a quem esta declaracao interessar, esta em conformidade com os seguintes documentos legais ou normas directivas.

Dichiariamo sotto la ns. Unica responsabilita che il prodotto al quale questa dichiarazione si riferisce, e fabbricato in conformita ai seguenti standard e documenti di normative.

**EN 349:2008:A1:2008    EN 12100:2010    EN12649:2008+A1:2011    EN ISO 5349-2:2001 +A1:2015**

Following the provisions of Directives:

Suivant les directives determinees:

Volgens de vastgestelde richtlijnen:

Siguiendo las directivas:

No sequimento das clausulas da Directivas

Seguendo quanto indicato dalla Direttivas:

**2006/42/EC Machinery Directive**

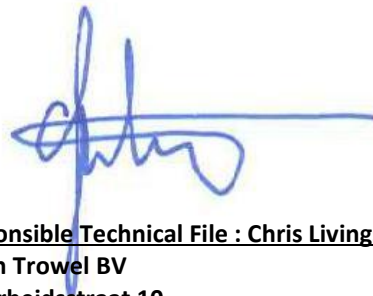
**2000/14/EC Noise Directive**

**2001/95/EC General Product Safety Directive**

**2002/95/EC Reduction of Hazardous Waste Directive**

**LVD2014/35/EU Low Voltage Directive**

**2004/30/EU Electromagnetic Compatibility**



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25<sup>th</sup> August 2025