

INSTRUCTION MANUAL

RIDE ON POWER TROWEL

BT 120H-2/5/PFK44





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 for a minimum of 20 minutes and a final run phase at full throttle for a minimum of 25 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

4. ASSEMBLY INSTRUCTIONS

BATTERY – SHIPPED DRY – NO ACID

Connect and secure the battery cables before attempting starting procedures.

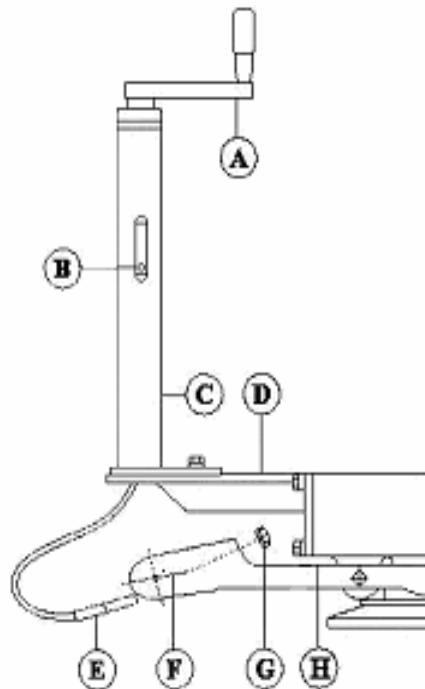
STEERING HANDLE ASSEMBLY

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.

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

STARTING PROCEDURES – WARM TEMPERATURES

- ❖ Prior to starting the trowel, check the engine and gearbox oil levels. Be sure the fuel tank is full.
- ❖ Fuel is not shipped with the unit. Check engine and gearbox oil levels. WARRANTY IS VOID IF RUN WITHOUT OIL.
Fill tank with safety approved fuel containers. DO NOT MIX OIL WITH FUEL.
- ❖ Maintain left foot pressure on the dead-man safety switch. Engine will disengage and stop if safety switch is released. Do not tape, tie-down, or otherwise attempt to bypass safety device..
- ❖ Turn ignition key all the way. Allow engine to warm up before proceeding with full trowel operation.

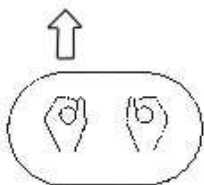
STARTING PROCEDURES – COLD TEMPERATURES

Follow same procedure as above but allow for a longer warm up period 3-5 min. (In cold weather oil is much heavier to move. Extra time is required to heat the oil.)

TO STOP ENGINE

- ❖ Bring throttle to low idle, wait a few seconds.
- ❖ Remove left foot from dead-man safety switch.
- ❖ Turn off ignition key.

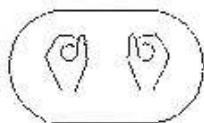
STEERING



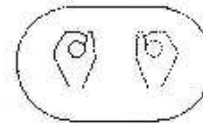
FORWARD



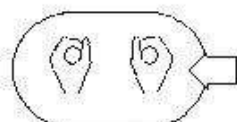
REVERSE



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.

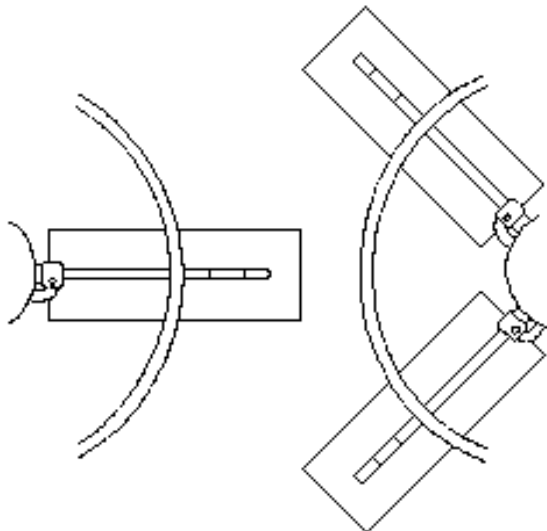


CAUTION: Do not let the machine stand in one spot on the soft concrete; This may place unnecessary strain on the clutch to break it free of the concrete. If the unit has been sitting for any length of time, break it free from the concrete before attempting operation.



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.

GENERAL

- Keep engine oil clean. Change according to engine manufacturer's specifications.
- Maintain the oil levels in the engine and gearbox assemblies. Change as required.
- Use only clean fuel in the engine.
- Check for loose nuts and bolts on the trowel and tighten as necessary.
- Check "V" belts for wear, replace if worn.
- Grease all fittings daily. See diagram.
- Clean the unit after every use to prevent hardening of concrete residue. Hard concrete is very difficult to remove, greatly increases weight and reduces efficient subsequent operation of unit.
- Check clutch linings regularly for wear. Linings should be changed when 3/4 worn. Do not allow metal to metal contact as this will damage the clutch drum. (New lining is 8mm.)

AIR CLEANER

Maintaining a clean engine will extend engine life. Keep air filter clean at all times. Clean air filter using the recommended solvent. See engine manual for proper cleaning procedure. Let the filter dry before reinstalling.

SPARK PLUG

Check and clean spark plugs regularly. A fouled, dirty spark plug causes hard starting and poor engine performance. Set spark plug gap to recommended clearance. Refer to engine manual.

BELT CHANGE PROCEDURE

Remove belt cover from the machine to expose the drive components. To change the primary drive belt, remove clutch from engine drive shaft, by removing bolt from the clutch. This releases belt from both the clutch and driven unit.

BELT TENSIONING SPECIFICATIONS

NOTE: Belts may become slightly loose after the first few hours of operation. It is important to retention the belts with the tool provided and use the table given as reference.



LUBRICATION

ENGINE OIL

The long life and successful operation of any piece of machinery is dependent on frequent and thorough lubrication.

Before using the trowel, always check your engine for oil. Use proper engine oil as recommended in the engine manufacturer's manual. Fill crankcase to levels as recommended.

SPIDER PLATE

There are 10 (ten) grease fittings on the spider plates, 5 (five) 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 BT120 is 67oz./2000ml.

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 67oz./2000 ml. of Agma 8 compounded gear oil. Replace the filler plug and tighten.

GREASE FITTINGS

There are 12 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 4 located in the drive system, and 4 in the steering linkages.

MAINTENANCE PLAN

Routine Service Intervals - Continued -		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
Drive Train:							
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
Gearboxes:							
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
Retardant Spray System:							
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
General Inspection:							
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
Controls:							
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
Engine:							
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>! DANGER</p> <p>EXPLOSION HAZARD Never operate the machine in an explosive atmosphere, near combustible materials or where ventilation does not clear exhaust fumes.</p>
	<p>WARNING</p> <p>BURN HAZARD 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>! CAUTION</p> <p>ROTATING HAZARD Never place hands or feet inside safety guard rings. Serious injury will result from contact with rotating blades.</p>
	<p>! CAUTION</p> <p>MOVING PARTS Before starting the machine ensure that all guards and safety devices are in place and functioning properly.</p>
	<p>! ATTENTION</p> <p>READ OWNERS MANUAL Read and understand operator's manual before using this machine. Failure to follow operating instructions could result in serious injury or death.</p>

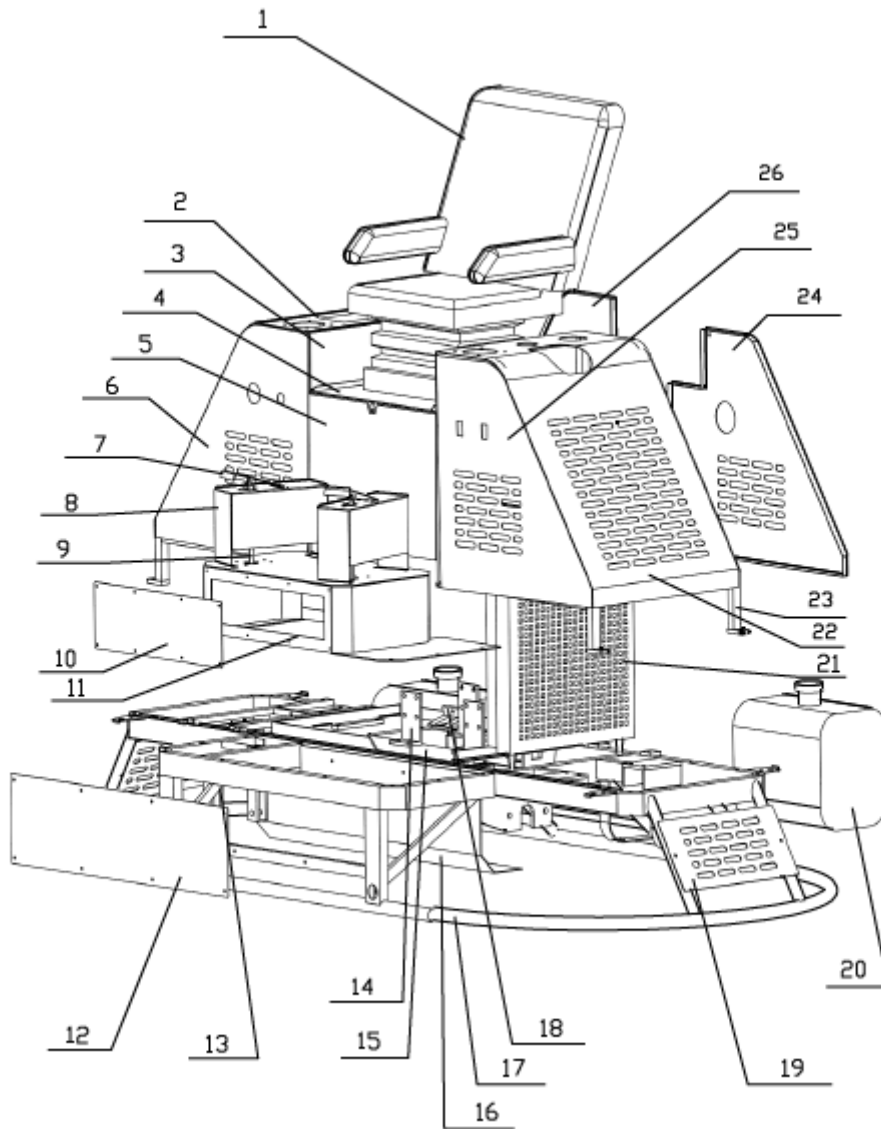
8. SPECIFICATIONS

TECHNICAL DATA SHEET

MODEL	BT120-2/5/PFV35.1
OPERATING WIDTH	2540 MM
ENGINE MOTOR	Kubota 44HP Turbo
LIGHTS & RETARDANT SPRAY	STANDARD
BLADE SIZE	6 " X 18 "
FLOAT PAN SIZE	1170 MM
WEIGHT	730 KG

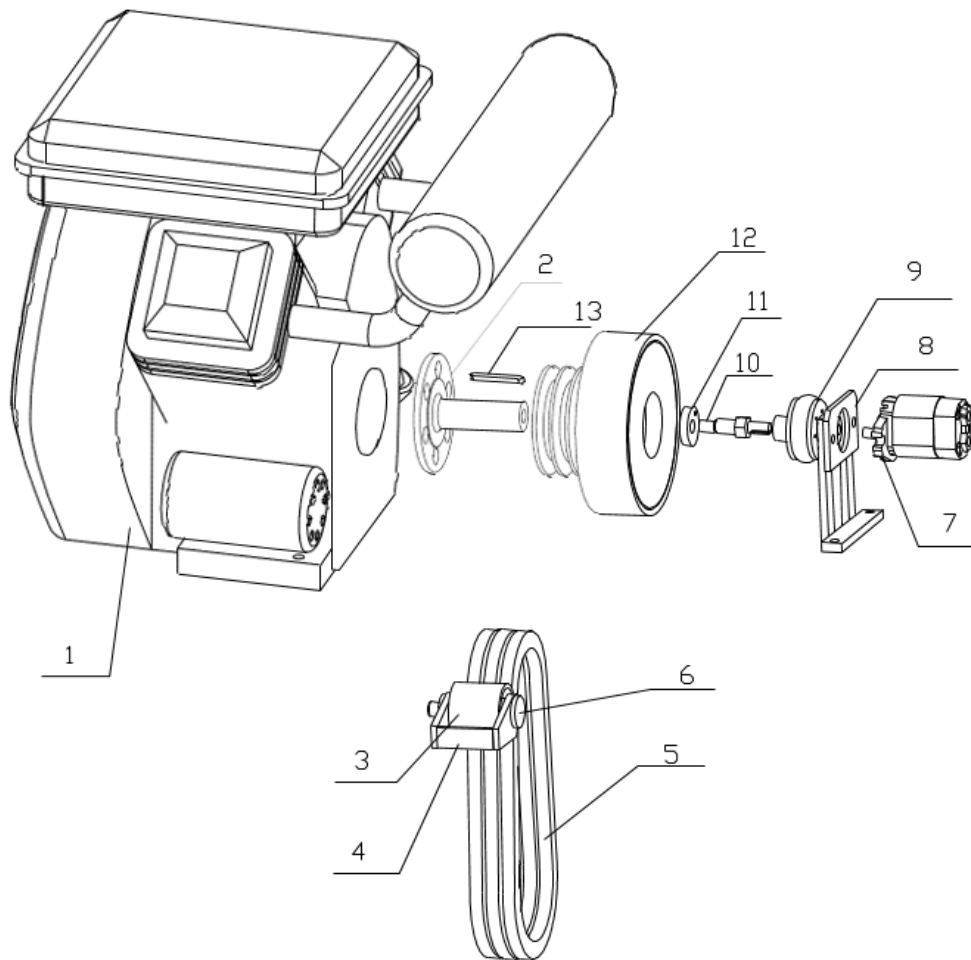
9. PARTS

FRAMEWORK + GUARDRING



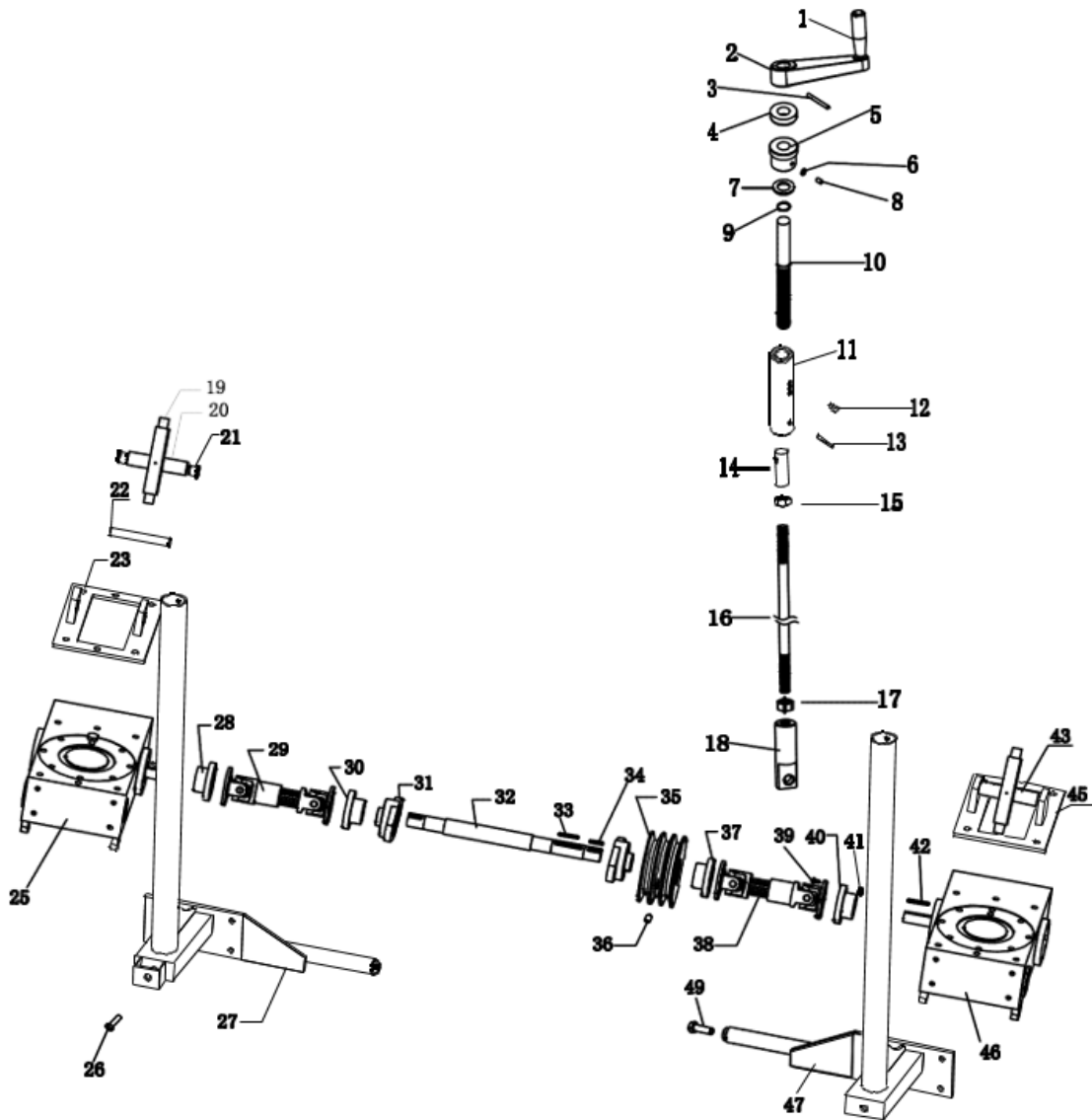
Item No.	Part No.	Description	Qty.
1	1046H0453	SEAT	1
2	1046H8018	SIDE PANEL RIGHT	1
3	1046H8007	COVER PLATE RIGHT	1
4	1046H8200	SEAT SUPPORT	1
5	1046H8019	FRONT PANEL UPPER	1
6	1046H8016	FRONT PANEL RIGHT	1
7	846A040500	THROTTLE PEDAL	2
8	1046H4200	PEDAL SUPPORT	1
9	1046H4001	THROTTLE LEVER	1
10	1046H8406	COVER PLATE MIDDLE	1
11	1046H8400	PLATFORM	1
12	1046H8404	FRONT PANEL BOTTOM	1
13	1046H2200	PUMP HOLDER	1
14	1046H3003	BRACKET	1
15	1046H3400	ENGINE DECK	4
16	1046H8005	FENDER	1
17	1046H0000	GUARD RING	2
18	1046H3100	TENSIONER	1
19	1046H8006	COVER PLATE	1
20	10009649	FUEL/WATER TANK	1
21	10009650	RADIATOR	2
22	1046H8017	SIDE PANEL LEFT	1
23	1046H8100	FRAME	1
24	1046H8501	BACK PLATE LEFT	1
25	1046H8015	FRONT PANEL LEFT	1
26	1046H8502	BACK PLATE RIGHT	1

POWER SYSTEM



Item No.	Part No.	Description	Qty.
1	31000038	44HP TURBO CHARGED KUBOTA	1
2	1046H3004	FLANGE	1
3	1046H3305	TENSIONER	1
4	1046H3200	BRACKET	1
5	10009599	BELT	3
6	1046H3301	TENSIONER SHAFT	1
7	10009796	PUMP	1
8	1046H2100	PUMP MOUNTING	1
9	10009809	TYRE COUPLING	1
10	1046H3005	SHAFT	1
11	1046H3006	SPACER	1
12	21046H1815	BLM CLUTCH	1
13	9787	KEY	3

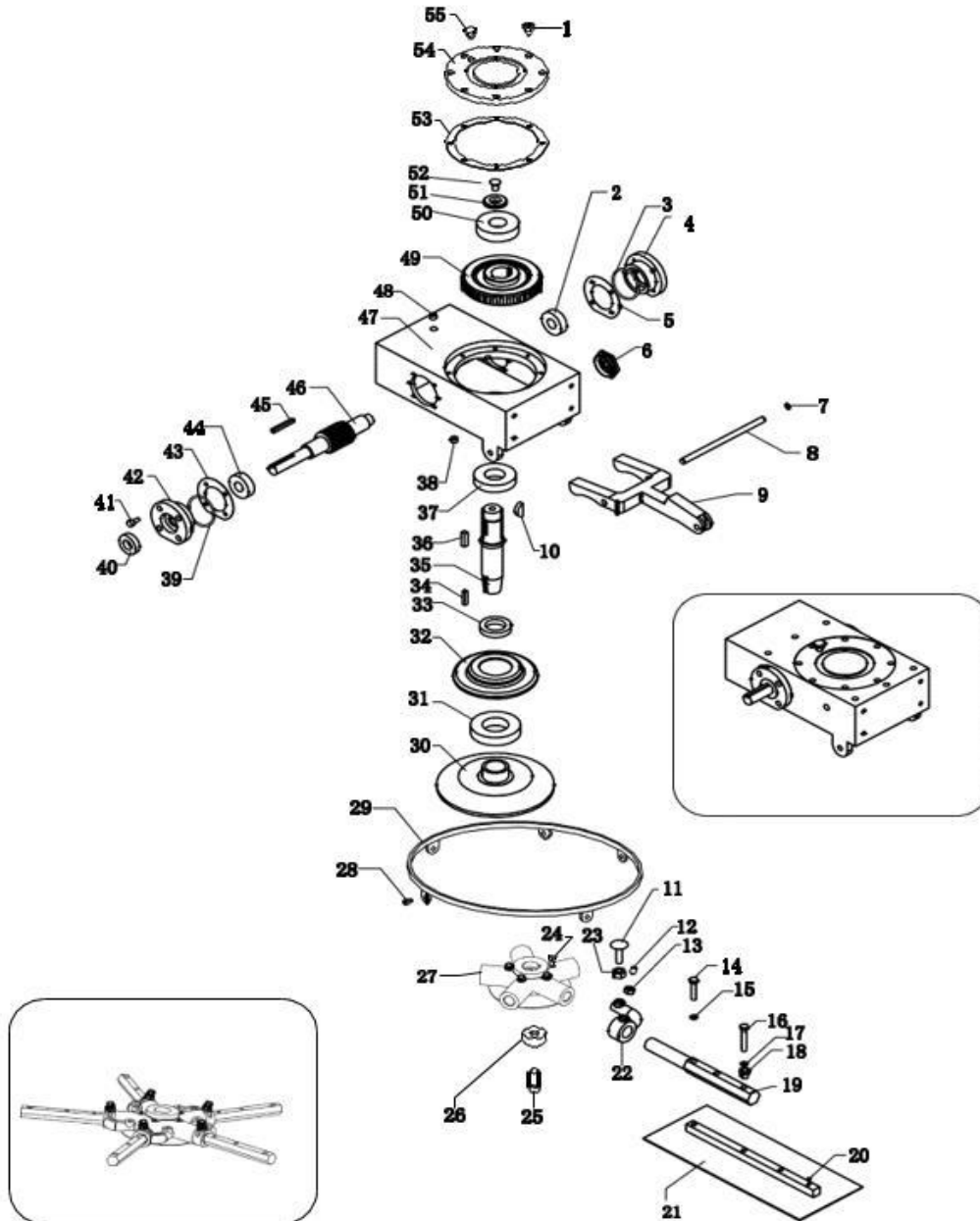
OPERATING SYSTEM



Item No.	Part No.	Description	Qty.
1	1046H5004	PITCH HANDLE	2
2	1046H5006		
3	9157A	PIN	2
4	9025	BALL BEARING	2
5	JG846A050004	BUSHING	2
6	9022	SPRING WASHER	2
7	4365504	SPACER	2
8	9093	HEX BOLT	2
9	9027	WASHER	2
10	4365503	ADJUST SHAFT	2
11	JG846A050006	BUSHING	2
12	9028	SCREW	2
13	9157	PIN	2
14	JG846A050008	CONNECTOR	2
15	9059	NUT	2
16	1046H5005	ROD	2
17	9059	NUT	2
18	JG846A050007	CONNECTOR	2
19	1046H5101	SHAFT	1
20	1046H5301	SHAFT	1
21	JG846A050107	BUSHING	2
22	1046H5001	ROLLING SHAFT	1
23	1046H5200	HANGING BRACKET RIGHT	1
25	1046H60302	GEARBOX RIGHT	1
26	9511	HEX BOLT	1
27	1046H5400R	PITCH CONTROL BRACKET RIGHT	1
28	1046H3605	FLANGE	1
29	1046H3602	COUPLING	2
30	1046H3605	FLANGE	1
31	9633	BEARING	2
32	1046H3001	INTERMEDIATE SHAFT	1
33	9663	KEY	2
34	9217	KEY	2
35	1046H3002	PULLEY	1
36	9101	SCREW	2
37	1046H3605	FLANGE	1
38	1046H3604	COUPLING	2
39	9098	HEX BOLT	16
40	1046H3605	FLANGE	1
41	9782	NUT	23
42	9788	KEY	2
43	1046H5102	CROSS SHAFT	1

45	1046H5100	HANGING BRACKET LEFT	1
46	1046H6301	GEARBOX LEFT	1
47	1046H5400L	PITCH CONTROL BRACKET LEFT	1
49	9512	HEX BOLT	2

GEARBOX ASSY (L) PARTS LIST

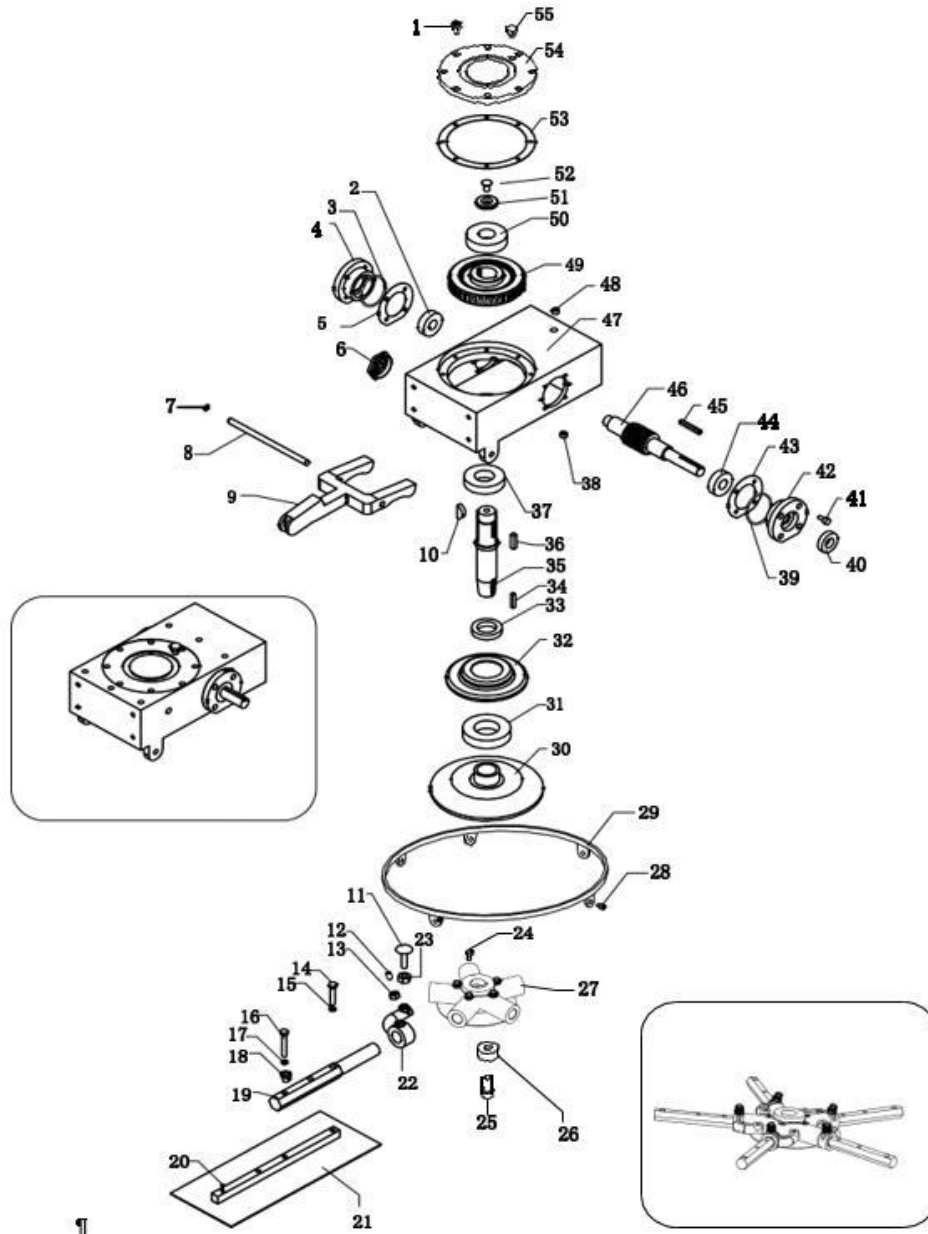


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Item No.	Part No.	Description	Qty.
1	9118	SCREW	8
2	9466	BALL BEARING	2
3	9367	O SEAL	2
4	1046H6308	FLANGE	1
5	1046H6312	SHIMMING	4
6	9064	OIL VIEWER	1
7	9202	WASHER	2
8	1046H5002	YOKE ARM SHAFT	1
9	1046H5003	YOKE ARM	1
10	9675	KEY	1
11	9067	SCREW	5
12	9540	SCREW	5
13	9059	NUT	5
14	9787	HEX BOLT	10
15	9037	SPRING WASHER	10
16	9783	HEX BOLT	5
17	9046	SPRING WASHER	5
18	4366007	ADJUSTING BOLT	5
19	1046H7001	TROWEL ARM	5
20	9072	PLUG	5
21	4466100Y	TROWEL BLADE	5
22	1046H6006L	ANGLE ARM LEFT	5
23	9059	NUT	5
24	9066	SCREW	5
25	9068	SCREW	1
26	1046H7006	BUSHING	1
27	1046H7004	SPIDER PLATE LEFT	1
28	9147	SCREW	5
29	1046H7100	STABILIZER RING	1
30	1046H7003	PRESSURE PLATE	1
31	9628	BALL BEARING	1
32	1046H7002	PRESSURE PLATE CAP	1
33	9632	SEAL	1
34	9788	KEY	1
35	1046H6305	MAIN SHAFT LEFT	1
36	9787	KEY	1
37	9140	BEARING	1
38	9053	PLUG	1
39	9367	SEAL	1
40	9631	SEAL	1
41	9414	BOLT	12

42	1046H6307	FLANGE RIGHT	1
43	1046H6312	SHIMMING	2
44	9466	BALL BEARING	1
45	9709	KEY	1
46	1046H6309	COUNTER SHAFT LEFT	1
47	1046H6301	GEARBOX CASING LEFT	1
48	9053	PLUG	1
49	1046H6100	BRONZE GEAR LEFT	1
50	9467	BALL BEARING	1
51	1046H6304	PRESSING RING	1
52	9145	WASHER	1
53	1046H6311	SHIMMING	1
54	1046H6303	GEARBOX COVER	1
55	4364100	RELEASE VALVE	2

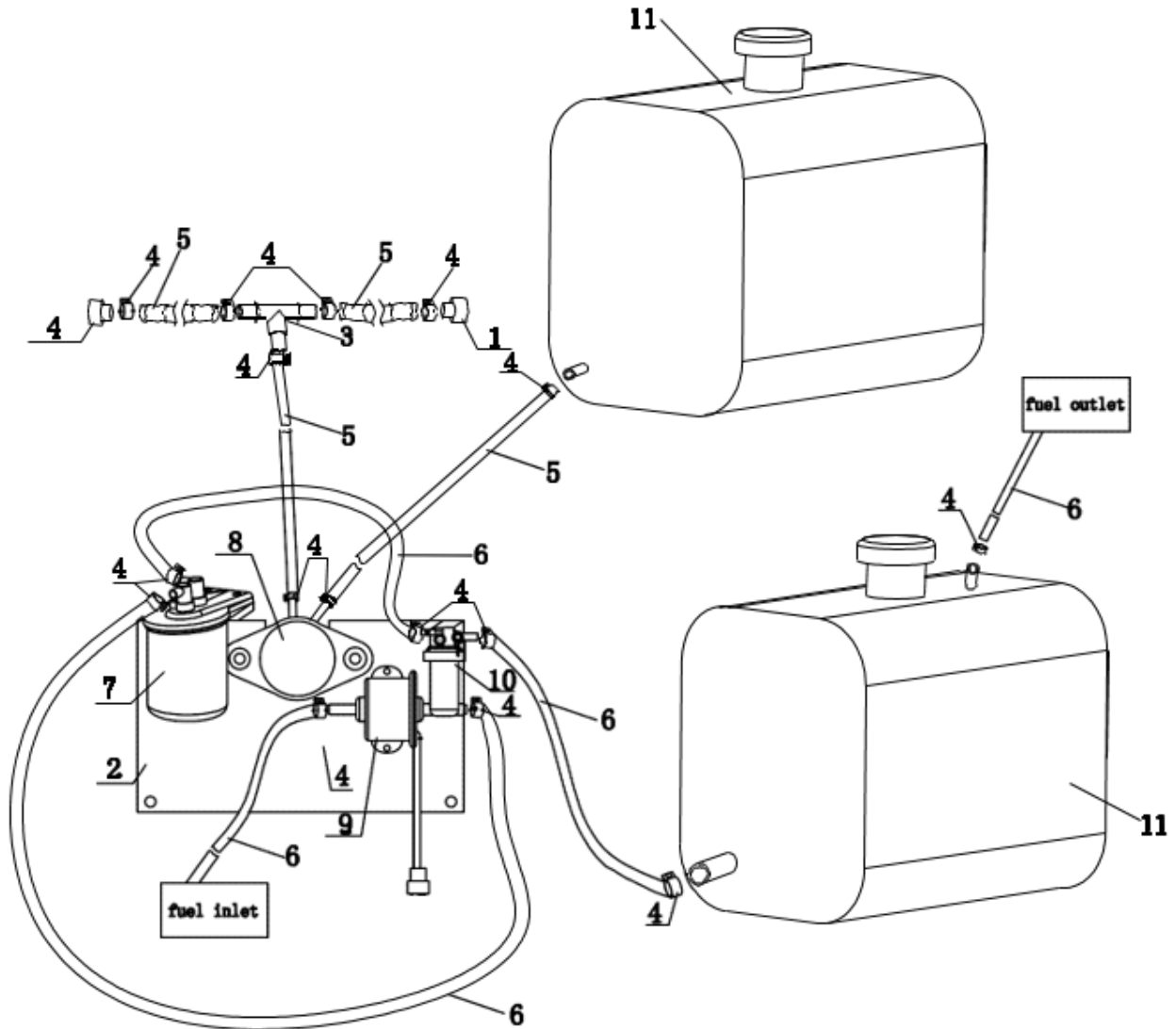
GEARBOX ASSY (R) PARTS LIST



Item No.	Part No.	Description	Qty.
1	9118	SCREW	8
2	9466	BALL BEARING	1
3	9367	O SEAL	1
4	1046H6308	FLANGE RIGHT	1
5	1046H6312	MAIN SHAFT	4
6	9064	OIL VIEWER	1
7	9202	WASHER	2
8	1046H5002	YOKE ARM SHAFT	1
9	1046H5003	YOKE ARM	1
10	9675	KEY	1
11	9067	SCREW	5
12	9540	SCREW	5
13	9059	NUT	5
14	9787	HEX BOLT	10
15	9037	SPRIG WASHER	10
16	9783	HEX BOLT	5
17	9046	SPRING WASHER	5
18	4366007	ADJUSTING BOLT	5
19	1046H7001	TROWEL ARM	5
20	9072	PLUG	5
21	4466100Y	TROWEL BLADE	5
22	1046H6006R	ANGLE ARM RIGHT	5
23	9059	NUT	5
24	9066	SCREW	5
25	9068	SCREW	1
26	1046H7006	BUSHING	1
27	1046H7005	SPIDER PLATE RIGHT	1
28	9147	SCREW	5
29	1046H7100	STABILIZER RING	1
30	1046H7003	PRESSURE PLATE	1
31	9628	BALL BEARING	1
32	1046H7002	PRESSURE PLATE CAP	1
33	9632	SEAL	1
34	9788	KEY	1
35	1046H6306	MAIN SHAFT RIGHT	1
36	9787	KEY	1
37	9140	BEARING	1
38	9053	PLUG	1
39	9367	O SEAL	1
40	9631	SEAL	1
41	9414	BOLT	12
42	1046H6307	FLANGE LEFT	1
43	1046H6312	SHIMMING	2

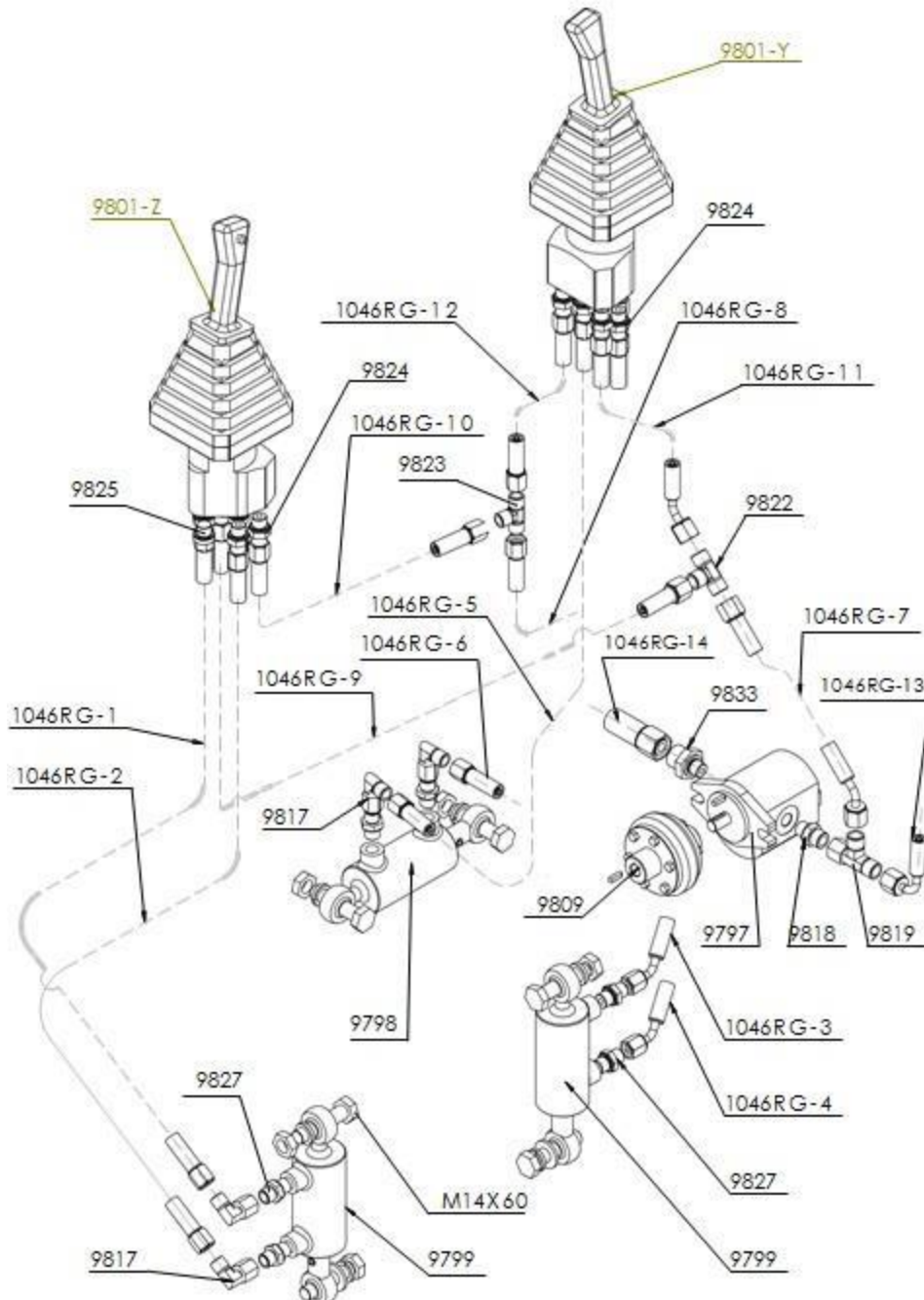
44	9466	BALL BEARING	1
45	9709	KEY	1
46	1046H6310	COUNTER SHAFT RIGHT	1
47	1046H6302	GEARBOX CASING RIGHT	1
48	9053	PLUG	1
49	1046H6200	BRONZE GEAR RIGHT	1
50	9467	BALL BEARING	1
51	1046H6304	PRESSING RING	1
52	4364007	SCREW	1
53	1046H6311	SHIMMING	1
54	1046H6303	GEARBOX COVER	1
55	4364100	RELEASE VALVE	2

FUEL & WATER SYSTEM PARTS LIST

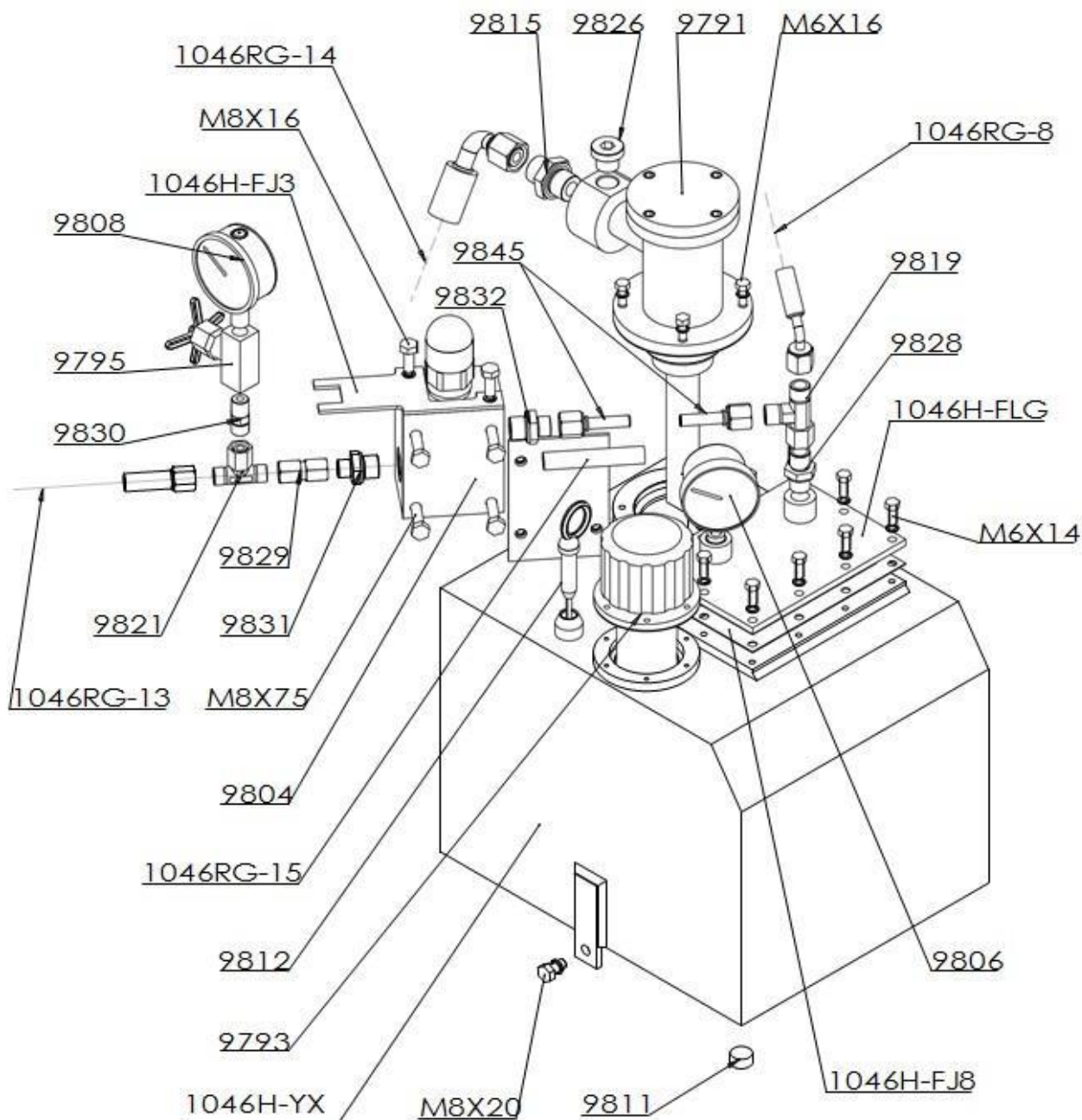


Item No.	Part No.	Description	Qty.
1	846A80010	NOZZLE	2
2	1046H4400	MOUNTING PLATE	1
3	9571	T COCK	1
4	1071	HOOP	18
5	0754	WATER HOSE	2
6	0589	FUEL HOSE	2
7	9595	FUEL FILTER	1
8	9594	WATER PUMP	1
9	9664	SOLENOID VALVE	1
10	9670	FUEL-WATER SEPARATOR	1
11	9649	FUEL/WATER TANK	2

HYDRAULIC SYSTEM PARTS LIST



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 BE 0821.249.312



Item No.	Part No.	Description	Qty.
1	1046H-YX	OIL TANK	1
2	1046H-FLG	FLANGE	1
3	1046H-FJ3	FLANGE	1
4	1046H-FJ8	RUBBER MAT	1
5	9815	CONNECTOR	1
6	9833	CONNECTOR	1
7	9817	CONNECTOR	4
8	9818	CONNECTOR	1
9	9819	T COCK	2
10	9822	T COCK	1
11	9823	T COCK	1
12	9824	CONNECTOR	10
13	9825	PLUG	2
14	9826	PLUG	1
15	9827	CONNECTOR	6
16	9828	CONNECTOR	1
17	9821	T COCK	1
18	9829	CONNECTOR	1
19	9831	CONNECTOR	1
20	9832	CONNECTOR	1
21	9830	CONNECTOR	1
22	9845	CONNECTOR	2
23	9791	OIL FILTER	1
24	9793	AIR FILTER	1
25	9795	VAVLE	1
26	9797	GEAR PUMP	1
27	9798	HYDROCYLINDER	1
28	9799	HYDROCYLINDER	2
29	9801	HYDRAULIC CONTROL LEVER	2
30	9804	SPILL VAVLE	1
31	9806	TEMPERATURE METER	1
32	9808	OIL PRESSURE METER	1
33	9809	COUPLING	1
34	9811	PLUG	1
35	9812	OIL GAUGE	1
36	1046RG-1	HOSE	1
37	1046RG-2	HOSE	1
38	1046RG-3	HOSE	1
39	1046RG-4	HOSE	1
40	1046RG-5	HOSE	1
41	1046RG-6	HOSE	1

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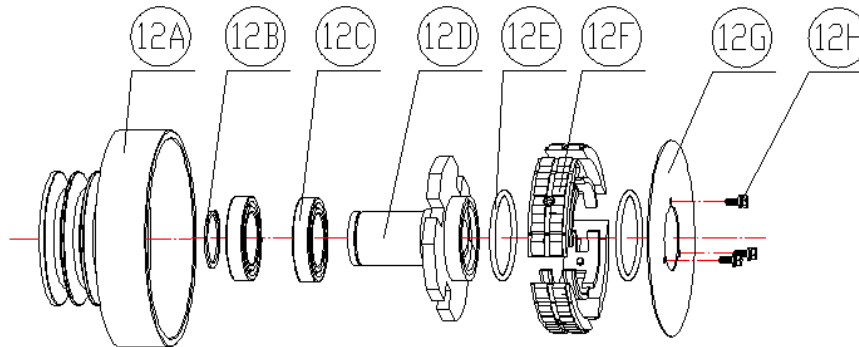
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42	1046RG-7	HOSE	1
43	1046RG-8	HOSE	1
44	1046RG-9	HOSE	1
45	1046RG-10	HOSE	1
46	1046RG-11	HOSE	1
47	1046RG-12	HOSE	1
48	1046RG-13	HOSE	1
49	1046RG-14	HOSE	1
50	1046RG-15	HOSE	1

CLUTCH DRAWING



Item No.	Part No.	Description	Qty.
12A	1046H9101	CLUTCH BODY	1
12B	10012	CIRCLIP	1
12C	10015	BEARING	2
12D	1046H9102	SHOES HOLDER	1
12E	1046H9108	SPRING	2
12F	1046H9103Z4	SHOES ASSY	1
12G	1046H9105	COVER	1
12H	9220	BOLT	3
	9022	SPRING WASHER	3
	9330	WASHER	3

COMPLETE CLUTCH: 1046H9100

Declaration of Conformity / Certificat de conformite / Gelijkvormigheidscertificaat / Declaracion de Conformidad / Declaracao de Concornidade / Dichiarazione Di Conformita

Model : BT120H-2-5-PFK44
We Beton Trowel NV

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 responsibilita 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:

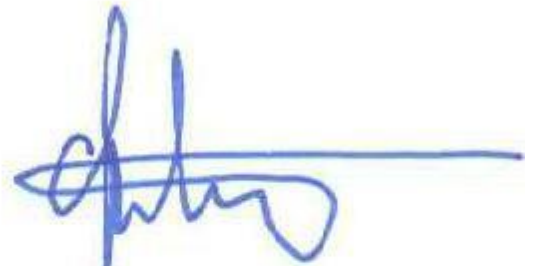
Volgens de vastgestelde richtlijnen:

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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25th August 2016**