

OPERATION & MAINTENANCE INSTRUCTIONS

READ THIS BOOK

This operation's book has important information for the use and safe operation of this machine. Read this book carefully before starting the machine. Keep this book and tell all operators to read the book. If you do not follow the instructions, you can cause an injury or damage equipment, furniture or buildings.

For new manual, please contact your local distributor

BENNETT CLEANING

Carefully inspect all components to ensure that there is no concealed freight damage. If such damage is discovered, file a "CONCEALED DAMAGE REPORT" immediately with the delivering carrier.

The contents of manual are based on the latest product information available at the time of publication. Bennett reserves the right to make changes or improvements to its machine without notice.

FOR YOUR CONVENIENCE, RECORD THE MACHINE MODEL AND SERIAL NUMBER:

MODEL _____

SERIAL NUMBER _____

PART NUMBER _____

DATE PURCHASED _____

PLEASE PROPERLY KEEP THE FACTORY FINISHED PRODUCTS INSPECTION RECORDS OF THE MACHINE, IN ORDER TO YOU CAN ENJOY HIGHER QUALITY AFTER-SALES SERVICE.

The descriptions contained in this document are not binding.

The company therefore reserves the right to make any modifications at any time to elements, details, or accessory supply, as considered necessary for reasons of improvement or manufacturing/commercial requirements.

The reproduction, even partial, of the text and drawings contained in this document is prohibited by law.

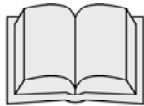
The company reserves the right to make any technical and/or supply modifications.

The images are for reference purposes only, and are not binding in terms of design and supply.

Symbols used in the manual



Open book symbol with an "i":
Indicates the need to consult the instruction manual



Open book symbol:
Used to tell the operator to read the manual before using the machine



Warning symbol:
Carefully read the sections marked with this symbol and observe the indications, for the safety of the operator and the machine



Warning symbol:
Indicates danger of gas exhalation and leakage of corrosive liquids



Warning symbol:
Indicates the danger of fire
Do not go near with free flames



Warning symbol:
Indicates that the packed product should be handled with suitable lifting means that comply with the legal requirements



Disposal symbol:
Carefully read the sections marked with this symbol, for machine disposal

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On consignment of the machine

When the machine is consigned to the customer, an immediate check must be performed to ensure all the material mentioned in the shipping documents has been received, and also to check the machine has not suffered damage during transportation. If this is the case, the carrier must ascertain the extent of the damage at once, informing our customer service office. It is only by prompt action of this type that the missing material can be obtained, and compensation for damage successfully claimed.

Introductory comment

CLEVER is a scrubbing machine that is able to clean a wide variety of types of flooring and types of dirt by using the mechanical action of the disc brush, and the chemical action of a water-detergent solution. As it advances, it also collects the dirt removed and the detergent solution not absorbed by the floor.

The machine must be used only for this purpose. Even the best machines will only work well if used correctly and kept in good working order. We therefore suggest you read this instruction booklet carefully and read it again whenever difficulties arise while using the machine. If necessary, remember that our assistance service (organised in collaboration with our dealers) is always available for advice or direct intervention.

Intended use

The scrubbing machine is exclusively designed for the professional cleaning of surfaces & floors in industrial, commercial and public environments. The machine is only suitable for use in closed (or at least covered) places.

The machine is not suitable for use in the rain, or under water jets. It is FORBIDDEN to use the machine for picking up dangerous dusts or inflammable liquids in places with a potentially explosive atmosphere. In addition, it is not suitable as a means of transport for people or objects.

TECHNICAL SPECIFICATION

MODEL	C510B Basic	C510BT Basic	C660BT Basic
Rated voltage	DC24V	DC24V	DC24V
Working width	510mm	510mm	660mm
Squeegee width	800mm	800mm	900mm
Work capacity	1750m ² /h	1750m ² /h	2640m ² /h
Disc brush	510mm	510mm	340mm*2
Brush rotations	150rpm	150rpm	180rpm
Brush motor	650W	650W	400W*2
Pressure on the brushes	25Kg	25Kg	40Kg
Vacuum motor	400W	400W	400W
Traction motor	\	150W	150W
Maximum gradient	\	8%	8%
Suction vacuum	110mbar	110mbar	110mbar
Solution tank	60L	60L	60L
Recovery tank	70L	70L	70L
Noise level	68dB(A)	68dB(A)	68dB(A)
Batteries	2*DC12V 100Ah C ₃	2*DC12V 100Ah C ₃	2*DC12V 100Ah C ₃
Batteries weight	70Kg	70Kg	70Kg
Machine weight only	90Kg	95Kg	100Kg

SYMBOLS USED ON THE MACHINE



Indicates the outfall of the tank



Indicates the fixed position of the battery connector



Water quantity adjustment symbol
Used to indicate the knobs for adjusting the quantity
of water distributed on the brushes

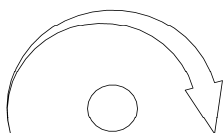


Indicates the vacuum motor switch

BENNETT CLEANING



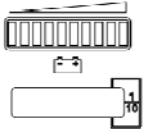
Indicates the brush motor switch



Indicates the speed regulation switch
(C510BT&660BT Basic)



Forward and backward switch symbol
Used to indicate the forward and reverse direction of the machine
(C510BT&660BT Basic)



Battery level and hourmeter symbol
Used to indicate the battery electric charging and total running time



Indicates the maximum temperature of solenoid no more than 50°C

BENNETT CLEANING

GENERAL SAFETY REGULATIONS

The regulations below must be carefully followed in order to avoid harm to the operator and damage to the machine.

- ▶ Read the labels on the machine carefully. Do not cover them for any reason and replace them immediately if they become damaged.
- ▶ The machine must be exclusively used by authorised, trained personnel.
- ▶ If the machine is used where there is a risk of falling objects, the machine must be equipped with protection devices against falling objects.
- ▶ During the working of the machine, pay attention to other people and especially to children.
- ▶ The machine is not suitable for cleaning carpets.
- ▶ Do not mix different types of detergent as this may produce harmful gases.
- ▶ Do not place any liquid containers on the machine.
- ▶ The storage temperature must be between -25°C and +55°C; do not store outdoors in damp conditions.
- ▶ Conditions of use: room temperature between 0°C and 40°C with relative humidity between 30% and 95%
- ▶ Do not use the machine in an explosive atmosphere.
- ▶ Do not use acid and basic solutions that could damage the machine and/or harm people.
- ▶ Do not vacuum inflammable liquids.
- ▶ Do not use the device to collect dangerous powders.
- ▶ In the event of a fire, use a powder extinguisher. Do not use water.
- ▶ Do not knock against shelving or scaffolding, where there is a danger of falling objects. Use protective devices (helmet).
- ▶ Adapt the speed to the adhesion conditions.

- ▶ If you notice any damage to the battery charger cable, contact BENNETT technical service centre immediately.
- ▶ The machine is designed to simultaneously carry out the washing and drying operations. Different operations should only be carried out in areas where the passage of unauthorised persons is prohibited. Signal the presence of damp floors with suitable signs.
- ▶ If the machine does not work properly, check this is not caused by failure to carry out routine maintenance. Otherwise, contact the BENNETT technical service centre.
- ▶ Before carrying out any maintenance work, switch off the machine and disconnect the battery connector.
- ▶ Restore all electrical connections after any maintenance interventions.
- ▶ Do not remove any protection devices which require the use of tools in order to be removed.
- ▶ Do not wash the machine with direct water jets or with pressurised water, nor with corrosive substances.
- ▶ Have the machine checked by your near BENNETT dealer after at least every 200 hours of operation.
- ▶ Before using the machine, check that all the hatches and covers are positioned as shown in this Use and Maintenance Manual.
- ▶ Make sure the recovery tank is empty before lifting.
- ▶ When disposing of consumption materials, comply with currently effective laws and regulations.
- ▶ The machine does not cause harmful vibrations.
- ▶ The batteries must be removed from the machine before its disposal.
- ▶ The batteries must be disposed of in a safe manner, fully observing the laws and regulations in force.
- ▶ The machine is not suitable for use by children and persons with reduced physical, mental and sensory capabilities, or people who lack experience and knowledge.
- ▶ Children must be supervised to ensure they do not play with the device.
- ▶ When the machine is left unattended, braking at suitable way for safety against unintentional movements.

MACHINE PREPARATION

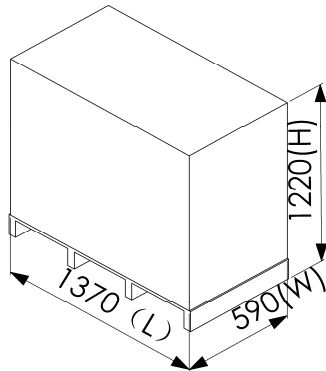
1. HANDLING THE PACKAGED MACHINE

The machine is contained in specific packaging with a pallet for the handling with fork trucks. The packages cannot be placed on top of each other.

The total mass of the machine with packaging is 210kg (without batteries).

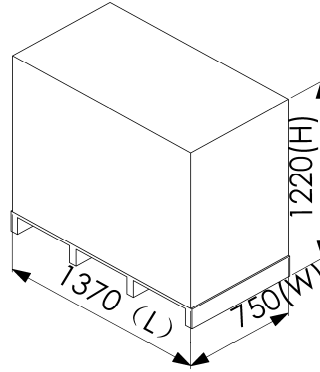
The dimensions of the packaging is as follows:

C510	
Length	1370mm
Width	590mm
Height	1220mm



C510

C660	
Length	1370mm
Width	750mm
Height	1220mm



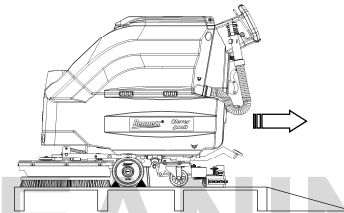
C660

2. UNPACKING THE MACHINE AND TAKING IT OUT

2.1 Take off the outer package.

2.2 The machine is fixed on the pallet with hook and wooden wedges that blocked the wheels, removing wedges and hook.

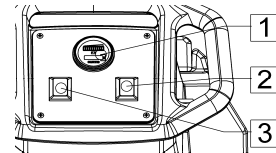
2.3 Pull the machine down from the pallet through putting up the slope.



3. INSTRUMENT PANEL COMPONENTS

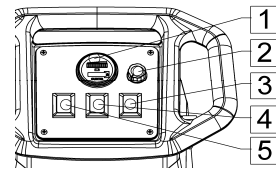
3.1 PANEL OF C510B Basic

1. Battery level / hourmeter display
2. Vacuum motor switch
3. Brush head motor switch



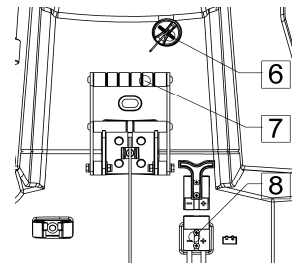
3.2 PANEL OF C510BT Basic AND C660BT Basic

1. Battery level / hourmeter display
2. The speed regulation switch
3. Vacuum motor switch
4. Forward / backward switch
5. Brush head motor switch



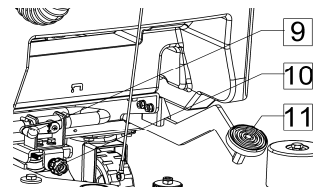
4. UNDER INSTRUMENT PANEL COMPONENTS

6. Main key switch
7. Squeegee lift handle
8. Outlet



5. UNDER THE SOLUTION TANK COMPONENTS

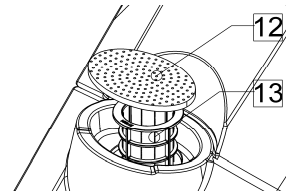
9. Detergent solution regulation handle
10. The handle that adjusting the pressure of the squeegee.
11. Brush head lifting pedal



6.MACHINE'S FRONT COMPONENTS

12. Filter screen

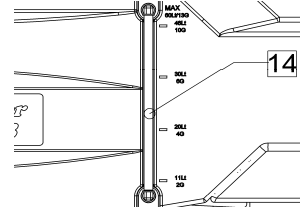
13. Filter



7.MACHINE'S RIGHT COMPONENTS

The right components of the machine are identified as follows:

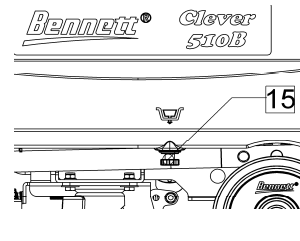
14. Water-detergent solution level pipe



8.MACHINE'S UNDER-RIGHT COMPONENTS

The components at the under right of the machine are identified as follows:

15. Solution tank drain plug



9.MACHINE'S UNDER-LEFT COMPONENTS

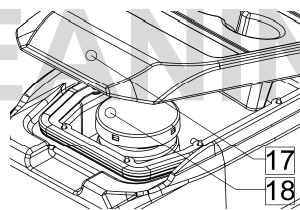
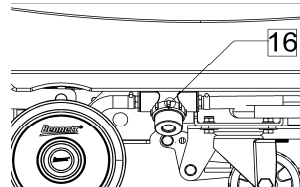
The components at the under left of the machine are identified as follows:

16. The filter

10.MACHINE'S UPSIDE COMPONENTS

17. The cover

18. The filter of the vacuum motor and floater



11.TYPE OF BATTERY

To power the machine it is necessary to use:

- Ⓒ liquid electrolyte lead traction batteries;
- Ⓒ sealed traction batteries with gas recombination or gel technology.

OTHER TYPES MUST NOT BE USED.

The battery compartment can house two 12V batteries.

For a good operating performance, we suggest the use of six 12V/100Ah C3 batteries.

12.BATTERY INSTALLATION

The two 12V 100Ah batteries fit in the compartment under the recovery tank.

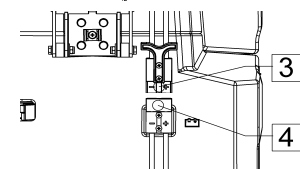
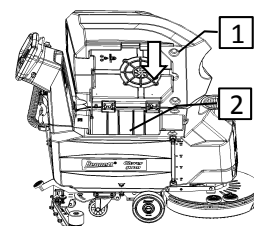
To insert the batteries you must:

12.1 Lift the recovery tank(1) from the right side of the machine,let it lie on its side

12.2 Taking the batteries into the compartment(2),connect the batteries with the battery connecting line and the jumper wire.

12.3 Connect the machine's connector(3) to the batteries connector (4) .

12.4 Recover the recovery tank.



The dimensions of the battery compartment are: L370 X W360 X H290 mm.

13.CHARGE BATTERIES

Never allow the batteries to run out completely, recharge them within a few minutes after the battery indicator starts blinking. Never leave the batteries completely discharged, even if the machine is not being used.



WARNING! When charging the batteries, follow all the instructions provided with the manual and the battery charger manual.

WARNING! Lead acid batteries generate gases that can cause an explosion. Keep sparks and flames away from batteries.

NO SMOKING!

WARNING! To prevent an explosion, charge the batteries only in an area with good ventilation.

When charging the batteries, Lift the recovery tank from the right side of the machine,let it lie on its side.

Make sure the receptacle of charger is connected to the electrical ground.

14.BATTERY CHARGE LEVEL INDICATOR

The battery state-of-charge uses 10-bar, tri-color LEDs (5 green - charged batteries, and 3 yellow - low battery level 2 red - run down batteries).

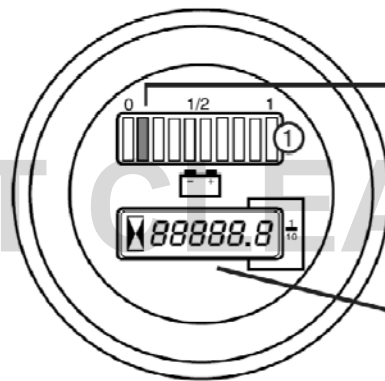
The hour meter display uses 6-digit LCDs, 99,999.9 hours.

Only when battery is properly charged is right most LED ① lit. As battery's state-of-charge decreases, successive LEDs light up, one at a time.

Here, the LED flashes indicating "energy reserve" (70% depth of discharged).

The left most 2 LEDs flash indicating "empty" (80% depth of discharge). At this point, brush motor lockout occurs.

Only when battery is properly charged is right most LED ① lit. As battery's state-of-charge decreases, successive LEDs light up, one at a time.



Here, the LED flashes indicating "energy reserve" (70% discharged).

The left most 2 LEDs flash indicating "empty" (80% depth of discharge). At this point, lift lockout occurs.

LCD Hour Meter

LCD Hour Meter



WARNING: A few seconds after the two red LEDs come on, the brush motor switches off automatically. With the remaining charge it is possible to complete the drying process before recharging.

15.BATTERY MAINTENANCE AND DISPOSAL

For maintenance and recharging, comply with the instructions provided by the battery manufacturer.

Particular attention must be paid when choosing the battery charger, if not supplied, since there are different kinds according to the type and capacity of the battery.



When the battery reaches the end of its working life, it must be disconnected by expert, trained personnel, then lifted (using the grips and suitable lifting devices) to remove it from the battery compartment. **DEAD BATTERIES ARE CLASSIFIED AS DANGEROUS WASTE AND MUST BE DELIVERED TO THE AUTHORISED BODIES FOR CORRECT DISPOSAL.**



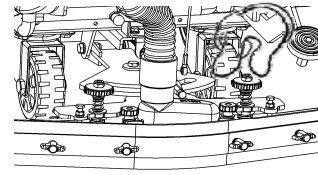
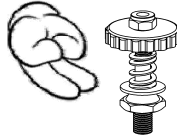
ATTENTION: You are advised to always wear protective gloves, to avoid the risk of serious injury to your hands.



ATTENTION: You are advised to only lift and move the batteries with lifting and transportation means suitable for the specific weight and size.

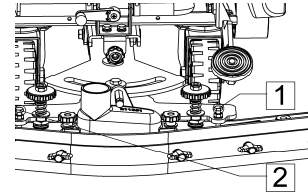
16.SQUEEGEE ASSEMBLY

Assembling the squeegee as shown in figure. Lift squeegee handle, firstly press the wash under the spring use the finger,then take the pins into the opposite slot.turn the squeegee handle clockwise,until the squeegee is fixed.



17.ADJUSTING SQUEEGEE INCLINATION

During operation the squeegee rear rubber is most efficient when tilted back about 5 millimeters along its whole length. To increase the rubber bending in the central part, it will be properly by turning the adjuster(1)(2)clockwise.on the contrary turn the adjuster counter-clockwise to increase the bending at the sides of squeegee rubber.



18.ADJUSTING THE SQUEEGEE SUPPORT HEIGHT

The height of the squeegee must be adjusted on the basis of the state of wear and tear of the rubber.

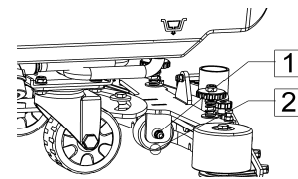
Carry out the following operations for adjustment:

18.1 Unscrew the lock nut (1)

18.2 Raise or lower the wheel (2) by sliding it on the slot of the support

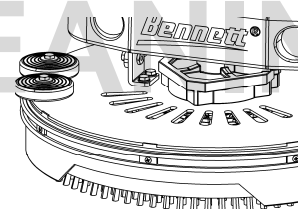
18.3 Block it by tightening the lock nut (1) once the required height is reached

Note: To facilitate the operation, completely lower the squeegee and put a spacer of a few millimetres (2 to 4mm depending on the type of rubber) under the wheel.



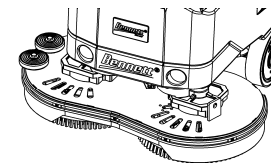
19.INSTALLING THE SPLASH GUARD

The splash guard of C 510B&510BT Basic should be installed as shown in the right picture.



The splash guard of C 660BT Basic should be installed as shown in the right picture.

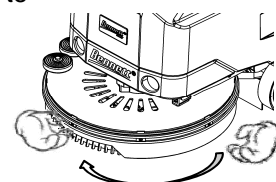
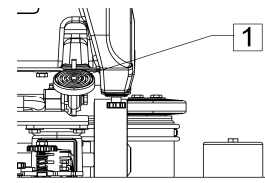
When assembling the splash guard,you need to install the screw began at the middle of the brush plate's dead ahead,then install all the screws at the two opposite directions.



20.BRUSH INSTALLATION

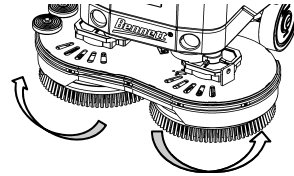
20.1 Lift the brush base, leave the brush at the underface of the brush base.

20.2 Pick up the brush with the hands,turn the brush clockwise when let the three pins on the brush into the groove of the brush chuck,make sure the three pins into the spring plate of the brush chuck,it will not get out when you turn the brush anticlockwise and it will have the same distance from ground to brush at the other side of the brush.



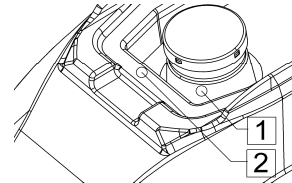
WARNING! Please do not close to the brush during the operation

20.3 As the same way, turn the brushes toward their retaining springs in the direction of the arrow until two brushes are in the place, installed the two brush. (C660BT Basic)

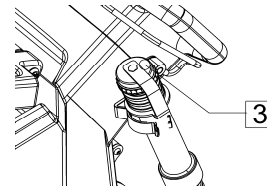


21. CHECKING THE RECOVERY TANK

21.1 Open the red cover, making sure the floater (1) did not get stuck and can work smoothly. Also making sure there is not any sundries on the surface (2) that red cover close to the recovery tank.

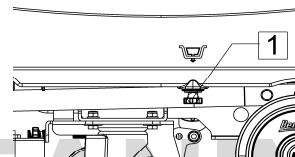


21.2 Make sure the drain cover (3) located in rear of the machine is also closed.



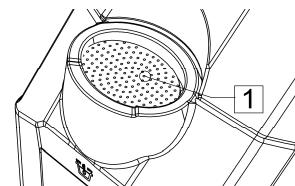
22. CHECKING THE SOLUTION TANK

Confirm solution filter and filter screen located on the water filling nozzle, make sure the plug (1) located in right of the machine is also closed.



23. SOLUTION WATER

From the water inlet at the front of the machine (1), fill the solution tank with clean water at a temperature no more than 50°C. Add the proper concentration of liquid detergent by following the manufacture instructions. Excess foam in the recovery tank will damage the vacuum motor, so use only the minimum amount of detergent necessary.

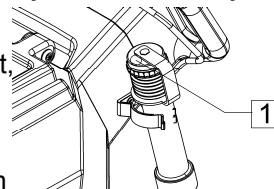


ATTENTION: Always use low foaming detergent. Adding antifoam liquid into the recovery tank before clearing will also help prevent foaming foam.
NEVER USE PURE ACID!

24. OVERFLOW DEVICE

The machine is not equipped with an overflow device, because the capacity of the recovery tank is greater than the capacity of the solution tank.

In extraordinary cases, there is a mechanical device (float) below the lid that, when the recovery tank is full, it shuts off the air to the suction motor intake protecting it, in this case the sound of the suction motor will be deeper. In this case, raise the squeegee by turning the left lever clockwise; the vacuum motor turns off. Bring the machine to the place provided for draining the water, then proceed with emptying the recovery tank through a special drain hose (1).

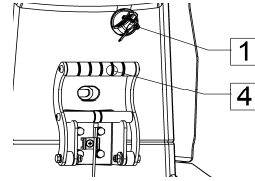


ATTENTION: It is good practice when restoring the level of the solution tank, to empty the recovery tank through the special drain hose (1).

OPERATION

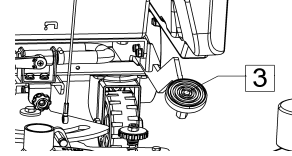
1. Turn the key switch (1) to on. The battery level / hourmeter display (2) will turn on.

2. Press the pedal (3) of brush lifting to lay down the brush; Pull down the handle (4) of squeegee lifting to lay down the squeegee



3. Press the vacuum motor switch (5), the indicator light will light and the vacuum motor will start work

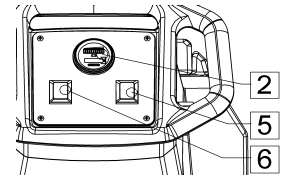
4. Press the brush motor switch (6), the indicator light will light.



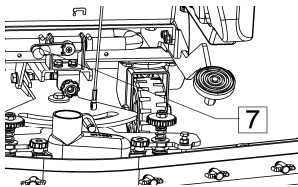
5. Adjust the amount of cleaning solution through the handle (7).

There should be enough solution to wet the floor uniformly, but not so much that it gets past the splash guard.

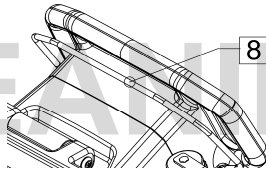
The correct solution flow depends on the type of floor, the dirt and the cleaning speed.



6. Press the handle switch (8), the brush rotates, you can push the machine to clean floor.

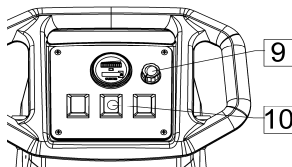


BENNETT CLEANING



7. The machine C510BT&660BT Basic installed with walking motor, The machine can walk automatically, by adjusting the switch (10) to control the machine's forward and backward.

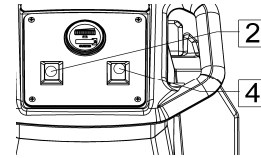
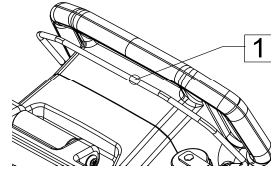
Control the running speed of the machine by adjusting the knob (9).



UPON COMPLETION OF THE WORK

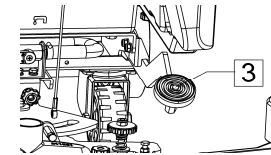
After finishing work and before any type of maintenance is done, it is necessary to do the following.

1. Release the handle switch(1), then toggle the brush motor switch(2).
2. Press the pedal (3) with foot to lift the brush base.
3. Toggle the vacuum motor switch(4) when all the remaining scrub solution was absorbed into the recovery tank.
4. Lift the squeegee with handle(5).

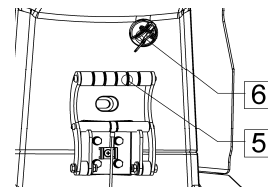


The squeegee rubber will be damaged if the squeegee is not raised during storage or transport.

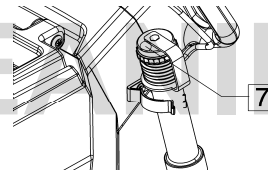
5. Turn off the key switch (6), Move the machine to the location where the recovery tank should be emptied. (C510 Basic)



6. Press the handle switch, take the machine to the location where the recovery tank should be emptied. (C510BT&660BT Basic)

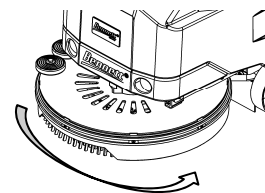


7. Unscrew the drain plug(7) and empty the recovery tank
8. Rinse the recovery tank with clean water.
9. Clean the squeegee.

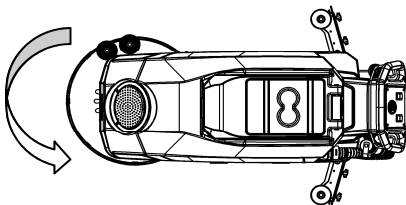


10. Release the brush

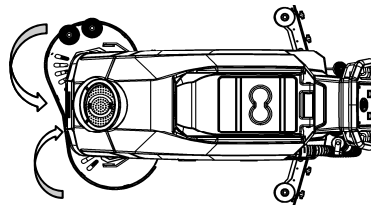
- 10.1 Press the pedal with foot to lift the brush base, quickly pull the bristles anticlockwise, the brush will come out from the brush card then fall on the ground. (C510 Basic)



- 10.2 Turn off the key switch, as the same way, rotate the two brushes according to the directions of arrows, the brush will fall down. (C510BT&660BT Basic)



C510



C660

DAILY MAINTENANCE

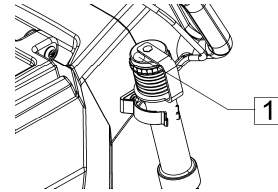
1. CLEANING THE RECOVERY TANK

1.1 Pull out the hose on the front of the recovery tank.

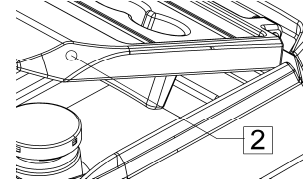
1.2 Unscrew the drain plug(1) and empty the tank.



WARNING! Use gloves for protection from contact with dangerous solution.



1.3 Lift the cover(2) of the recovery tank.



1.4 Rinse with water.

Reassemble everything by repeating these operations in reverse.

2. CLEANING THE SOLUTION TANK AND SOLUTION TANK FILTER

2.1 Take out the filter screen(1) from the water inlet.

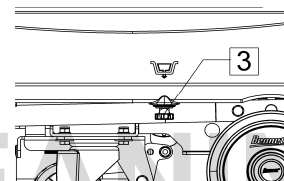
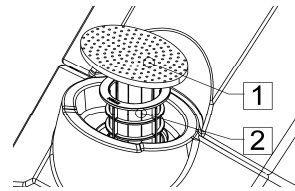
2.2 Take out the filter(2), then clean the filter thoroughly with the flowing water.

2.3 Unscrew the drain plug (3) on the right side of the machine and empty the tank.

2.4 Rinse the inside of the tank with a jet of water.

2.5 Put the drain plug (3) in place and screw it properly by turning the knob clockwise.

2.6 Reassemble all the components.



3. CLEANING THE SQUEEGEE

To obtain the best drying results, keep the squeegee clean.

To clean the squeegee it is necessary to:

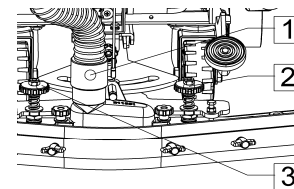
3.1 Remove the hose(1) from the squeegee.

3.2 Loosen the handles(2)(3), then take out the squeegee.

3.3 Clean the inside of the squeegee thoroughly.

3.4 Clean the squeegee rubber thoroughly.

3.5 Reassemble all the components.



4. CHECKING THE SQUEEGEE RUBBER

Check the status of the wear of the squeegee rubber and if necessary, change them.

To replace the squeegee rubber:

4.1 Remove the squeegee hose from its coupling (1).

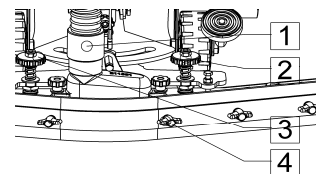
4.2 Loosen the handles(2)(3).

4.3 Remove the squeegee from its support.

4.4 Loosen the wing nuts (4) that lock the rubber and take them off.

4.5 Replace the rubber.

4.6 To reassemble the squeegee, repeat the above operations inversely.



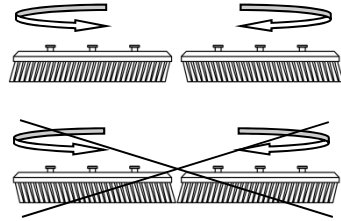
5.CLEANING THE BRUSH

5.1 Release the brush. (Refer to the point 10 of the" UPON COMPLETION OF THE WORK")

5.2 Clean the brush thoroughly.

5.3 Reassemble all the components.

You are advised to invert the right and left-hand brushes every day. If the brushes are not new however, and have deformed bristles, it is better to reassemble them in the same position (the right-hand one on the right, and the left-hand one on the left), to prevent the different inclination of the bristles producing an overload on the brush motor as well as excessive vibrations.



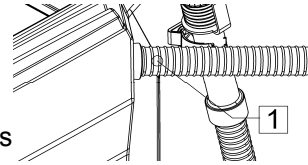
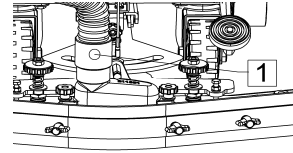
BENNETT CLEANING

WEEKLY MAINTENANCE

1. CLEANING THE SQUEEGEE HOSE

Weekly or whenever the suction is insufficient, even though the squeegee is not obstructed to clean:

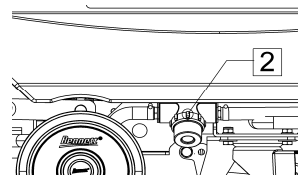
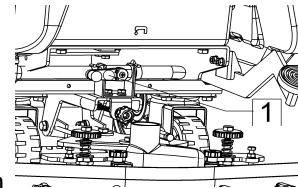
- 1.1 Take off the hose(1) from its coupling on the squeegee.
- 1.2 Take off the other end of the hose(1) from the recovery tank.
- 1.3 Wash the inner part of the hose with a water jet from the tank.
- 1.4 Reassemble all the components.



WARNING: These operations must be carried out using gloves to protect against contact with dangerous solutions.

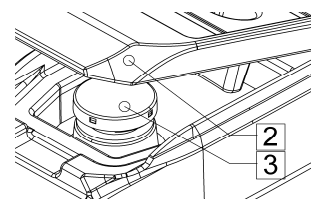
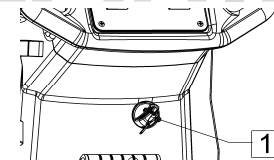
2. CLEANING THE SOLUTION TANK FILTER

- 2.1 Close the water tap by moving the lever (1) upwards
- 2.2 Unscrew the filter (2) at the left of the machine
- 2.3 Remove the internal filter cartridge and rinse everything thoroughly with running water
- 2.4 Reassemble all the elements



3. CLEANING THE VACUUM FILTER

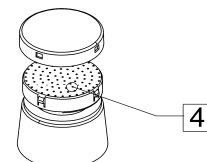
- 3.1 Turn off the key switch(1).
- 3.2 Lift the cover(2) of the recovery tank.
- 3.3 Open the cover(3) of the vacuum filter, taking out the filter sponge(4) and cleaning it thoroughly.
- 3.4 If cleaning the filter sponge(4) with water, you must air it before assembling



Reassemble everything by repeating these operations in reverse.



WARNING! Use gloves for protection from contact with dangerous solution.



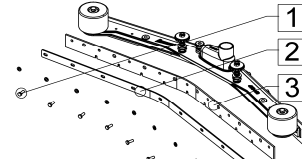
EXTRAORDINARY MAINTENANCE

1. REPLACING THE FRONT SQUEEGEE RUBBER

Suction will be poor and the machine will not dry perfectly if the front squeegee rubber is worn.

Proceed as follows to replace:

- 1.1 Turn the key to the "OFF" position and remove it
- 1.2 Remove the squeegee from the support arm by unscrewing the handwheel (see "CLEANING THE SQUEEGEE" in the chapter "DAILY MAINTENANCE")
- 1.3 Unscrew all bolts (1)
- 1.4 Remove the front rubber-pressing blades (2)
- 1.5 Remove the rubber (3) and replace it
- 1.6 Proceed in reverse to replace the rubber



ATTENTION: Before performing any maintenance, remove the keys from the panel and disconnect the battery connector of the machine.



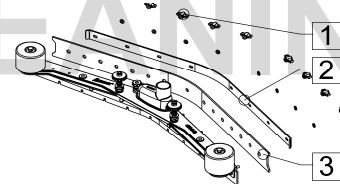
WARNING: These operation must be carried out using gloves to protect against contact with dangerous solutions.

2. REPLACING THE REAR SQUEEGEE RUBBER

If the squeegee rear rubber is worn and does not dry well, it is possible to change the drying edge using one of the 4 edges of the rubber.

This operation can be done both with a squeegee fitted or removed as follows:

- 2.1 Turn the key to the "OFF" position and remove it
- 2.2 Unscrew all wing nuts (1)
- 2.3 Remove the rear rubber-pressing blades (2)
- 2.4 Remove the rubber (3) and replace it
- 2.5 Proceed in reverse to replace the rubber
- 2.6 Adjust the height of the squeegee depending on the rubber (see "ADJUSTING THE HEIGHT OF THE SQUEEGEE SUPPORT")



ATTENTION: Before performing any maintenance, remove the keys from the panel and disconnect the battery connector of the machine.



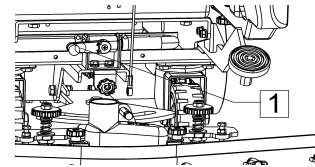
WARNING: These operations must be carried out using gloves to protect against contact with dangerous solutions.

TROUBLE SHOOTING GUIDE

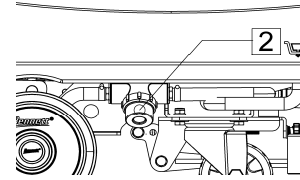
1.INSUFFICIENT WATER ONTO THE BRUSH

1.1 Confirm there is water in the solution tank.

1.2 Make sure the water valve is open(lever 1).



1.3 Whether the filter(2) is blocked that is locate at down-right side of the solution tank.



1.4 Whether the solenoid valve work well.

2.THE MACHINE DOES NOT CLEAN SATISFACTORILY

While the machine at the suitable speed and the brush work properly

Check the condition of the brush and replace it if necessary.

the brush should be replace when the bristles reach about 15mm.

3.THE SQUEEGEE DOES NOT DRY THE FLOOR WELL

3.1 Check that the squeegee rubber are clean.

3.2 Adjust the inclination of the squeegee(see "MACHINE PREPARATION").

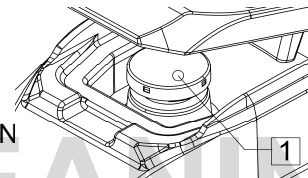
3.3 Confirm the vacuum hose is correctly fitted in its housing on the recovery tank.

3.4 Take off the cover(1)of the filter,clean the sponge and the wind inlet.

3.5 Replace the rubber if worn.

3.6 Check that the vaccum motor switch is on.

3.7 Check the squeegee height adjustment (see "MACHINE PREPARATION



4.EXCESSIVE FOAM PRODUCTION

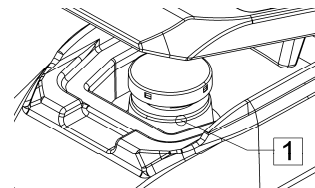
4.1 Check that a low detergent has been used.If required,add a small quantity of antifoam liquid into the recovery tank.

4.2 Remember that more foam is generated when the floor is not very dirty.Use less detergent if the case appear.

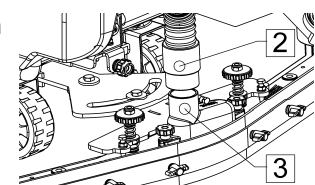
5. THE VACUUM MOTOR DOES NOT FUNCTION

5.1 Check whether the recovery tank is full and, if necessary, empty it

5.2 Check the float switch (1) on the suction cap (see also "WEEKLY MAINTENANCE" in the chapter "CLEANING THE VACUUM FILTER")



5.3 Check whether the suction hose(2) and squeegee nozzle(3) have been clogged up, if necessary, clean them.



DISPOSAL



To dispose of the machine, take it to a demolition centre or an authorised collection centre.

Before scrapping the machine it is necessary to remove and separate the following materials, send them to the appropriate collection centres in accordance with the environmental hygiene regulations currently in force:

brushes

filter

electric and electronic parts

batteries

plastic parts (tanks and wheels)

metal parts (levers and frame)

BENNETT CLEANING

WARRANTY POLICY
SCRUBBER MODELS C510B&510BT&660BT Basic

The Scrubber has been manufactured, tested and inspected in accordance with specific engineering requirements and is WARRANTED to be free from defects in workmanship and materials as follow:

One (1) year parts and labor – Polyethylene tank

One (1) year parts and labor – castings & sheet metal

One (1) year parts and labor – DC&AC motor and gear unit, except motor switches, carbon brush, capacitors and fuses in electrical circuit which have a one (1) year warranty.

One (1) year parts and labor – all other components unless excluded below.

This warranty extends to the original user/purchaser and only when used, operated and maintained in accordance with Bennett Cleaning Machine Operating and maintenance instructions.

This warranty does not apply to the following wear parts and accessories of the machine including:

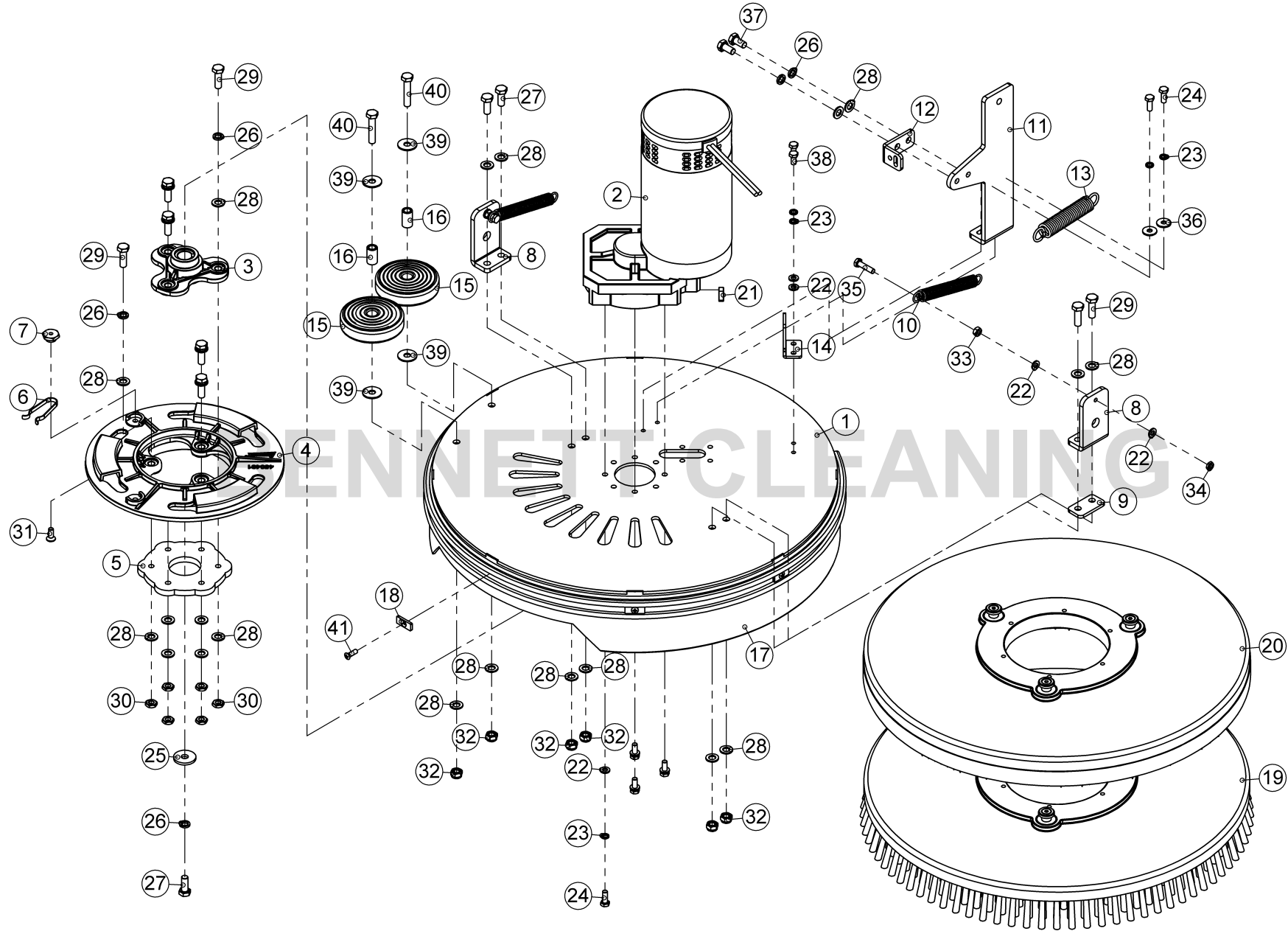
Part Number	Part Name	Comments
250741	Splash guard	C510B&510BT Basic
250691	Splash guard	C660BT Basic
250751	Splash guard	C510B&510BT&660BT Basic
250101	Bumper wheel	C510B&510BT&660BT Basic
220651	Drain hose	C510B&510BT&660BT Basic
220661	Suction hose	C510B&510BT&660BT Basic
211271	Bumper wheel	C510B&510BT&660BT Basic
250581	Front rubber	C510B&510BT Basic
250591	Rear rubber	C510B&510BT Basic
250341	Front rubber	C660BT Basic
250351	Rear rubber	C660BT Basic
550161	wheel	C510B&510BT Basic
550151	wheel	C660BT Basic
230381	Filter	C510B&510BT&660BT Basic

The warranty does not apply to the consumables such as brushes, pads, rubber blades, etc., nor does it apply to damage or failure caused by improper use, abuse or neglect. Warranty credit or replacement of return parts including motors, etc., is subject to incoming inspection of those items.

This warranty limits Bennett Cleaning Liability to the repair of the product and/or warranted parts replacement and does not include incidental or consequential damages arising from the use of a Bennett Machine whether defective or not.

This warranty is in lieu of all other expressed or implied warranties and is extended to the original user/purchaser.

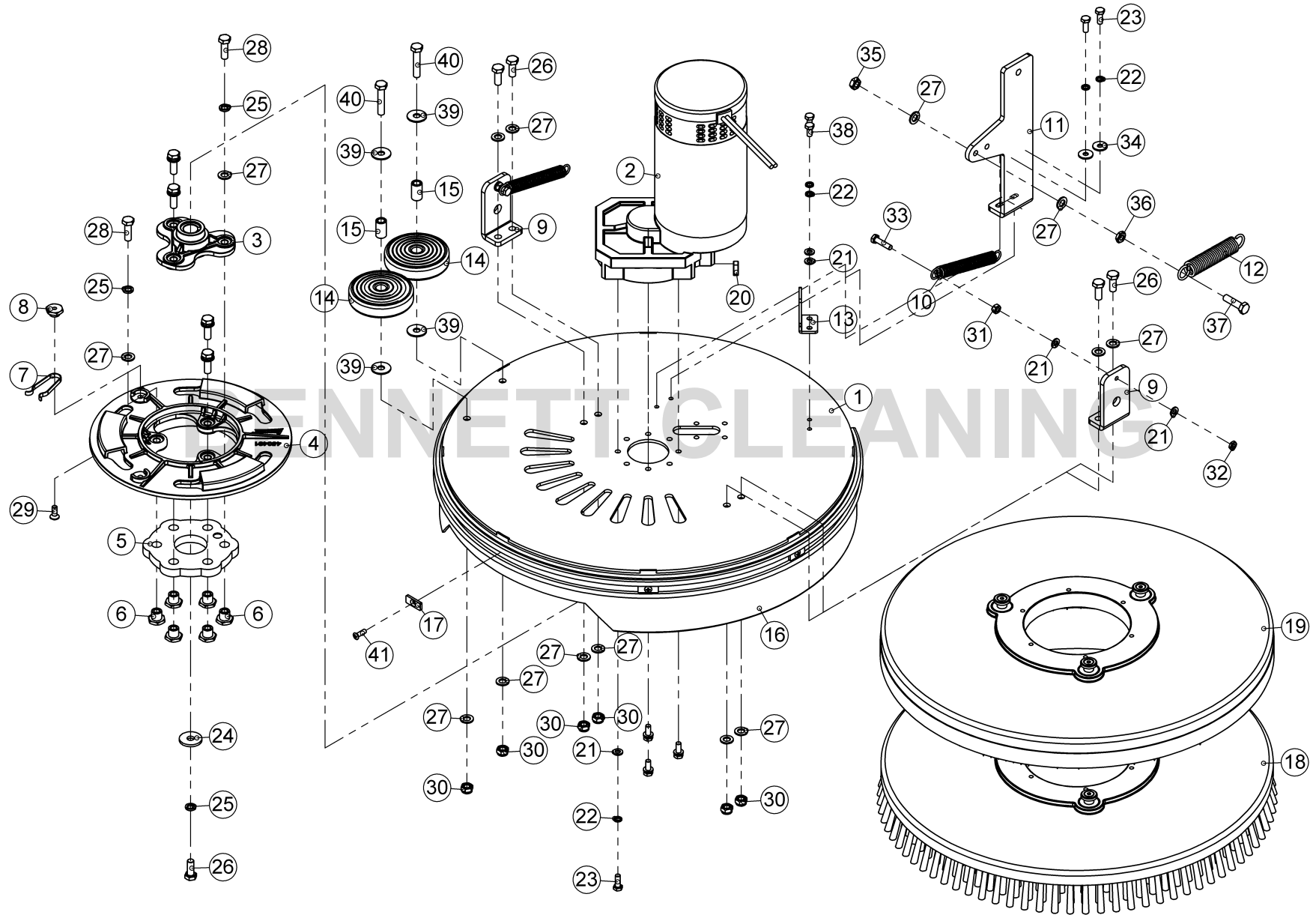




零件清单 (PARTS LIST)

Clever 510B

项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.	项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.
1	301281	Brush base	毛刷座	1	29	601631	Bolt M8X25	螺栓 M8X25	8
2	700121	Brush motor	毛刷电机	1	30	622051	Nut M8	螺母 M8	6
3	450471	Flange	法兰	1	31	615241	Screw M6X16	螺钉 M6X16	1
4	450481	Brush plate	毛刷固定盘	1	32	620051	Nut M8	螺母 M8	6
5	330791	Joint	联轴节	1	33	621041	Nut M6	螺母 M6	2
6	311061	Clamp	弹簧片	1	34	622041	Nut M6	螺母 M6	2
7	400621	Bushing	套	1	35	601461	Bolt M6X25	螺栓 M6X25	2
8	311131	Support	支架	2	36	632031	Washer 6	平垫 6	2
9	330701	Spacer	垫块	1	37	601611	Bolt M8X16	螺栓 M8X16	2
10	360261	Spring	弹簧	2	38	601431	Bolt M6X12	螺栓 M6X12	2
11	311141	Support	支架	1	39	632041	Washer 8	平垫 8	4
12	311261	Support	支架	1	40	601661	Bolt M8X40	螺栓 M8X40	2
13	360291	Spring	弹簧	1	41	612351	Screw M5X16	螺钉 M5X16	7
14	311111	Support	支架	1					
15	250101	Bumper wheel	缓冲轮	2					
16	400041	Bushing	套	2					
17	250741	Splash guard	防溅板	1					
18	211781	Clip guard	压紧垫	7					
19	242111	Brush 19"	19吋毛刷	1					
20	240131	Pad driver 19"	19吋针盘	1					
21	640311	Key 6X20	平键 6X20	1					
22	631041	Washer 6	平垫 6	10					
23	630041	Washer 6	弹簧垫 6	8					
24	601441	Bolt M6X16	螺栓 M6X16	6					
25	633031	Washer 8	平垫 8	1					
26	630051	Washer 8	弹簧垫 8	9					
27	601621	Bolt M8X20	螺栓 M8X20	3					
28	631051	Washer 8	平垫 8	24					



零件清单 (PARTS LIST)

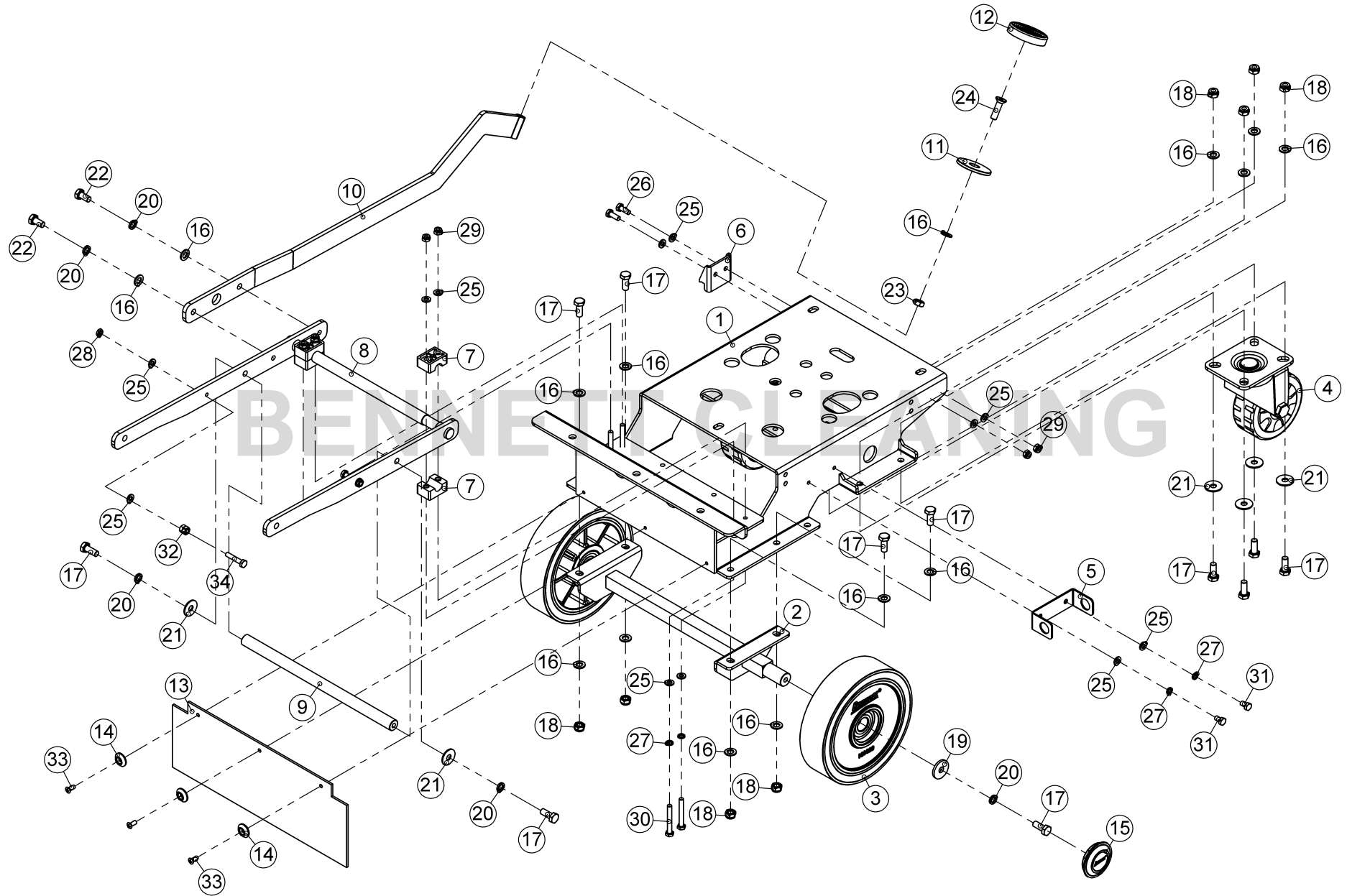
Clever 510BT

项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.	项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.
1	301281	Brush base	毛刷座	1	29	615241	Screw M6X16	螺钉 M6X16	1
2	700121	Brush motor	毛刷电机	1	30	620051	Nut M8	螺母 M8	6
3	450471	Flange	法兰	1	31	621041	Nut M6	螺母 M6	2
4	450481	Brush plate	毛刷固定盘	1	32	622041	Nut M6	螺母 M6	2
5	250411	Joint	联轴节	1	33	601461	Bolt M6X25	螺栓 M6X25	2
6	400321	Bushing	套	6	34	632031	Washer 6	平垫 6	2
7	311061	Clamp	弹簧片	1	35	621051	Nut M8	螺母 M8	1
8	400621	Bushing	套	1	36	622051	Nut M8	螺母 M8	1
9	311131	Support	支架	2	37	601641	Bolt M8X30	螺栓 M8X30	1
10	360261	Spring	弹簧	2	38	601431	Bolt M6X12	螺栓 M6X12	2
11	311141	Support	支架	1	39	632041	Washer 8	平垫 8	4
12	360291	Spring	弹簧	1	40	601661	Bolt M8X40	螺栓 M8X40	2
13	311111	Support	支架	1	41	612351	Screw M5X16	螺钉 M5X16	7
14	250101	Bumper wheel	缓冲轮	2					
15	400041	Bushing	套	2					
16	250741	Splash guard	防溅板	1					
17	211781	Clip guard	压紧垫	7					
18	242111	Brush 19"	19吋毛刷	1					
19	240131	Pad driver 19"	19吋针盘	1					
20	640311	Key 6X20	平键 6X20	1					
21	631041	Washer 6	平垫 6	10					
22	630041	Washer 6	弹簧垫 6	8					
23	601441	Bolt M6X16	螺栓 M6X16	6					
24	633031	Washer 8	平垫 8	1					
25	630051	Washer 8	弹簧垫 8	7					
26	601621	Bolt M8X20	螺栓 M8X20	5					
27	631051	Washer 8	平垫 8	18					
28	601631	Bolt M8X25	螺栓 M8X25	6					

零件清单 (PARTS LIST)

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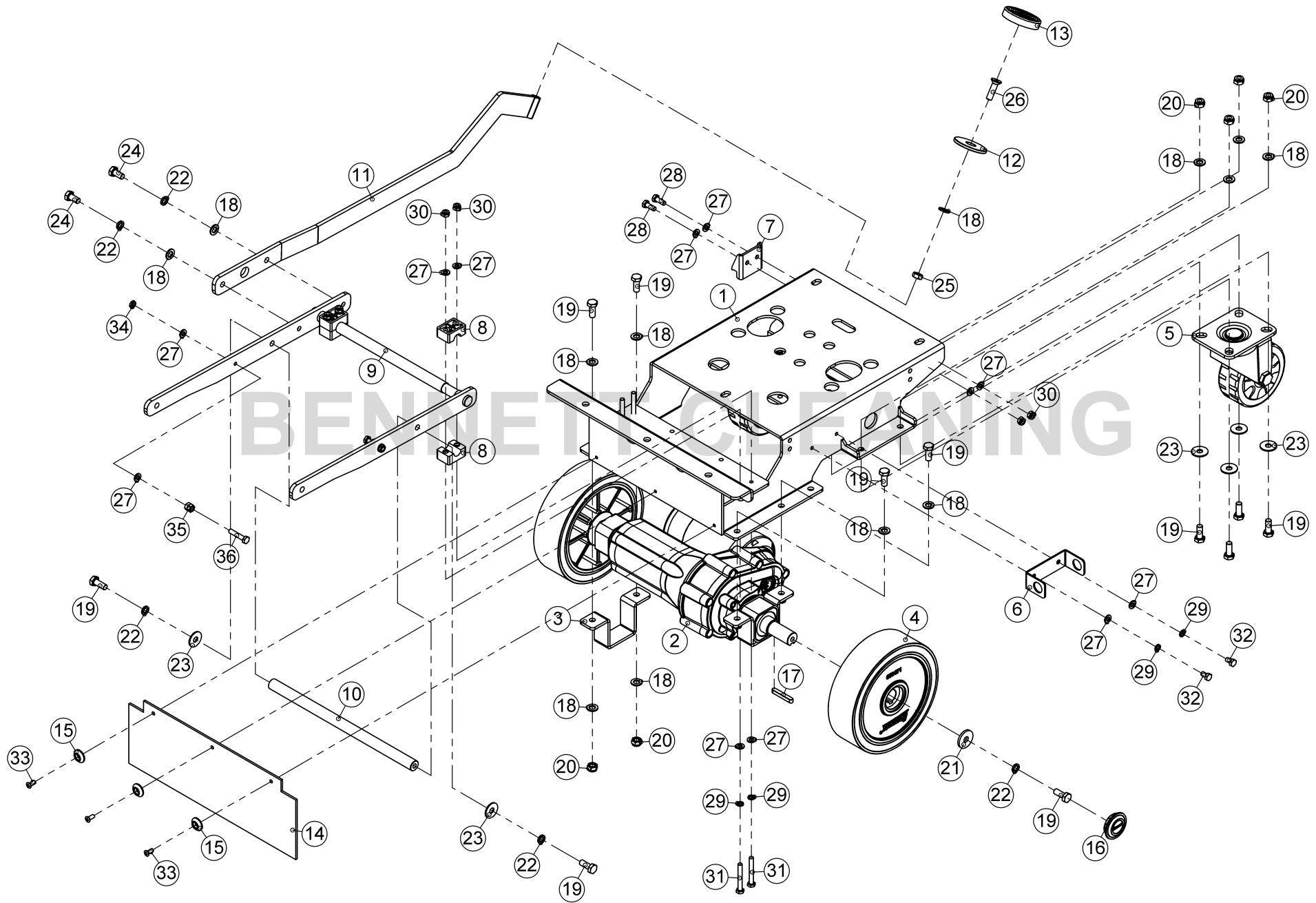
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1	301301	Brush base	毛刷座	1	29	632031	Washer 6	平垫 6	2
2	700121	Brush motor	毛刷电机	2	30	622051	Nut M8	螺母 M8	1
3	450471	Flange	法兰	2	31	621051	Nut M8	螺母 M8	1
4	450481	Brush plate	毛刷固定盘	2	32	601641	Bolt M8X30	螺栓 M8X30	1
5	311061	Clamp	弹簧片	2	33	601431	Bolt M6X12	螺栓 M6X12	4
6	400621	Bushing	套	2	34	632041	Washer 8	平垫 8	4
7	250411	Joint	联轴节	2	35	601661	Bolt M8X40	螺栓 M8X40	2
8	400321	Bushing	套	12	36	620051	Nut M8	螺母 M8	2
9	311141	Support	支架	1	37	612351	Screw M5X16	螺钉 M5X16	8
10	360291	Spring	弹簧	1					
11	311051	Support	支架	1					
12	311111	Support	支架	1					
13	250101	Bumper wheel	缓冲轮	2					
14	400041	Bushing	套	2					
15	250691	Splash guard	防溅板	1					
16	211781	Clip guard	压紧垫	8					
17	242071	Brush 13"	13吋毛刷	2					
18	240091	Pad driver 13"	13吋针盘	2					
19	640311	Key 6X20	平键 6X20	2					
20	631041	Washer 6	平垫 6	12					
21	630041	Washer 6	弹簧垫 6	14					
22	601441	Bolt M6X16	螺栓 M6X16	10					
23	633031	Washer 8	平垫 8	2					
24	630051	Washer 8	弹簧垫 8	14					
25	601621	Bolt M8X20	螺栓 M8X20	2					
26	631051	Washer 8	平垫 8	16					
27	601631	Bolt M8X25	螺栓 M8X25	12					
28	615241	Screw M6X16	螺钉 M6X16	2					



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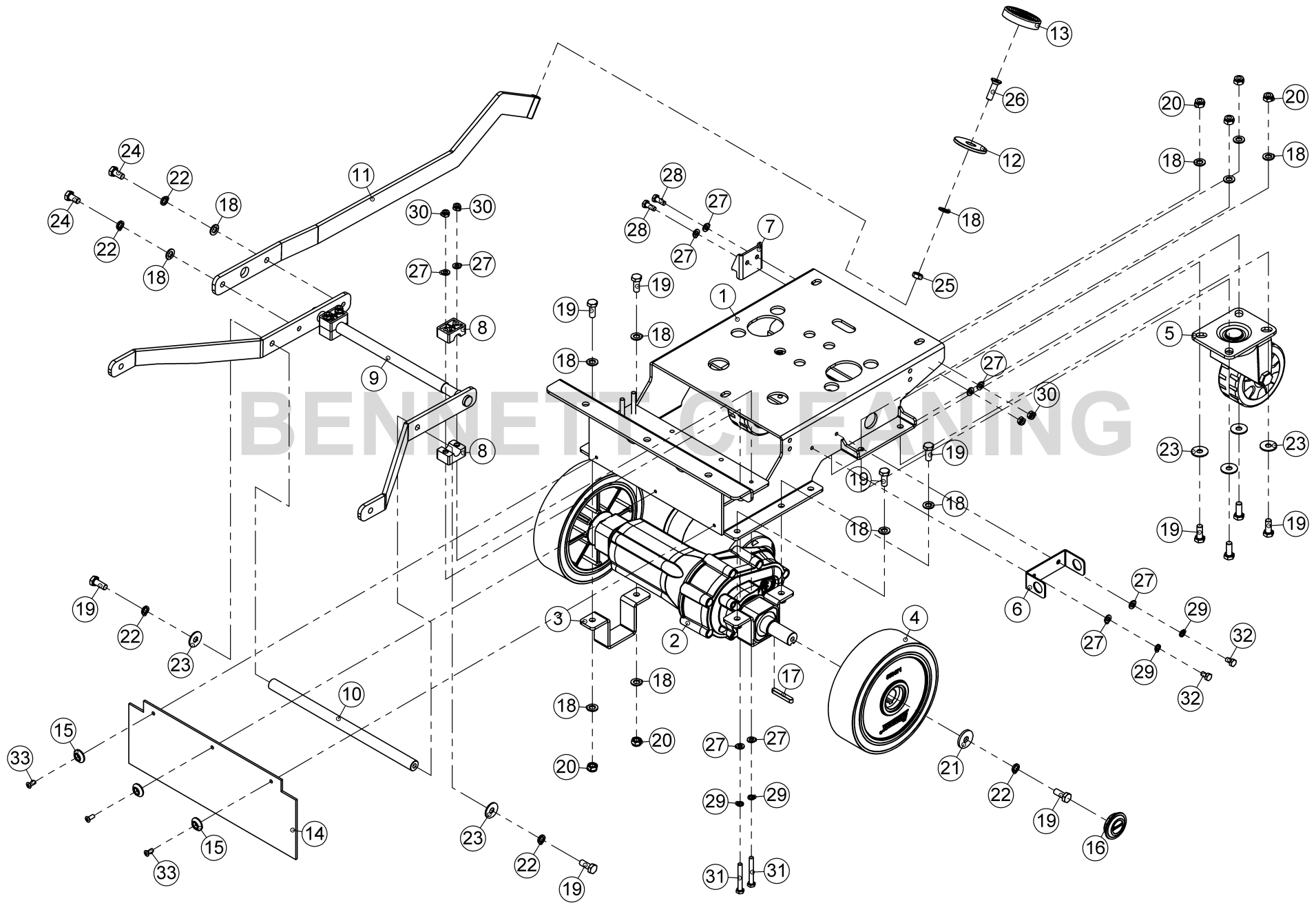
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1	301221	Frame	底架	1	29	620041	Nut M6	螺母 M6	6
2	301231	Wheel support	主轮支架	1	30	601501	Bolt M6X45	螺栓 M6X45	4
3	550161	Wheel ASM	主轮	2	31	601421	Bolt M6X10	螺栓 M6X10	2
4	550041	Caster 4"	万向轮 4吋	2	32	621041	Nut M6	螺母 M6	4
5	311081	Support	支架	1	33	612341	Screw M5X12	螺钉 M5X12	3
6	311101	Support	支架	1	34	601471	Bolt M6X30	螺栓 M6X30	2
7	210231	Pivot Block	夹紧块	4					
8	301271	Arm	吊臂	1					
9	410381	Axle	轴	1					
10	301241	Arm	吊臂	1					
11	330061	Pedal	踏板	1					
12	250111	Pedal cover	踏板盖	1					
13	250751	Splash guard	防溅板	1					
14	210261	Plastic washer	塑料垫	3					
15	211191	Dust cover	防尘盖	2					
16	631051	Washer 8	平垫 8	19					
17	601621	Bolt M8X20	螺栓 M8X20	16					
18	620051	Nut M8	螺母 M8	12					
19	633031	Washer 8	平垫 8	2					
20	630051	Washer 8	弹簧垫 8	6					
21	632041	Washer 8	平垫 8	10					
22	601611	Bolt M8X16	螺栓 M8X16	2					
23	621051	Nut M8	螺母 M8	1					
24	615441	Screw M8X30	螺钉 M8X30	1					
25	631041	Washer 6	平垫 6	18					
26	601441	Bolt M6X16	螺栓 M6X16	2					
27	630041	Washer 6	弹簧垫 6	6					
28	622041	Nut M6	螺母 M6	2					



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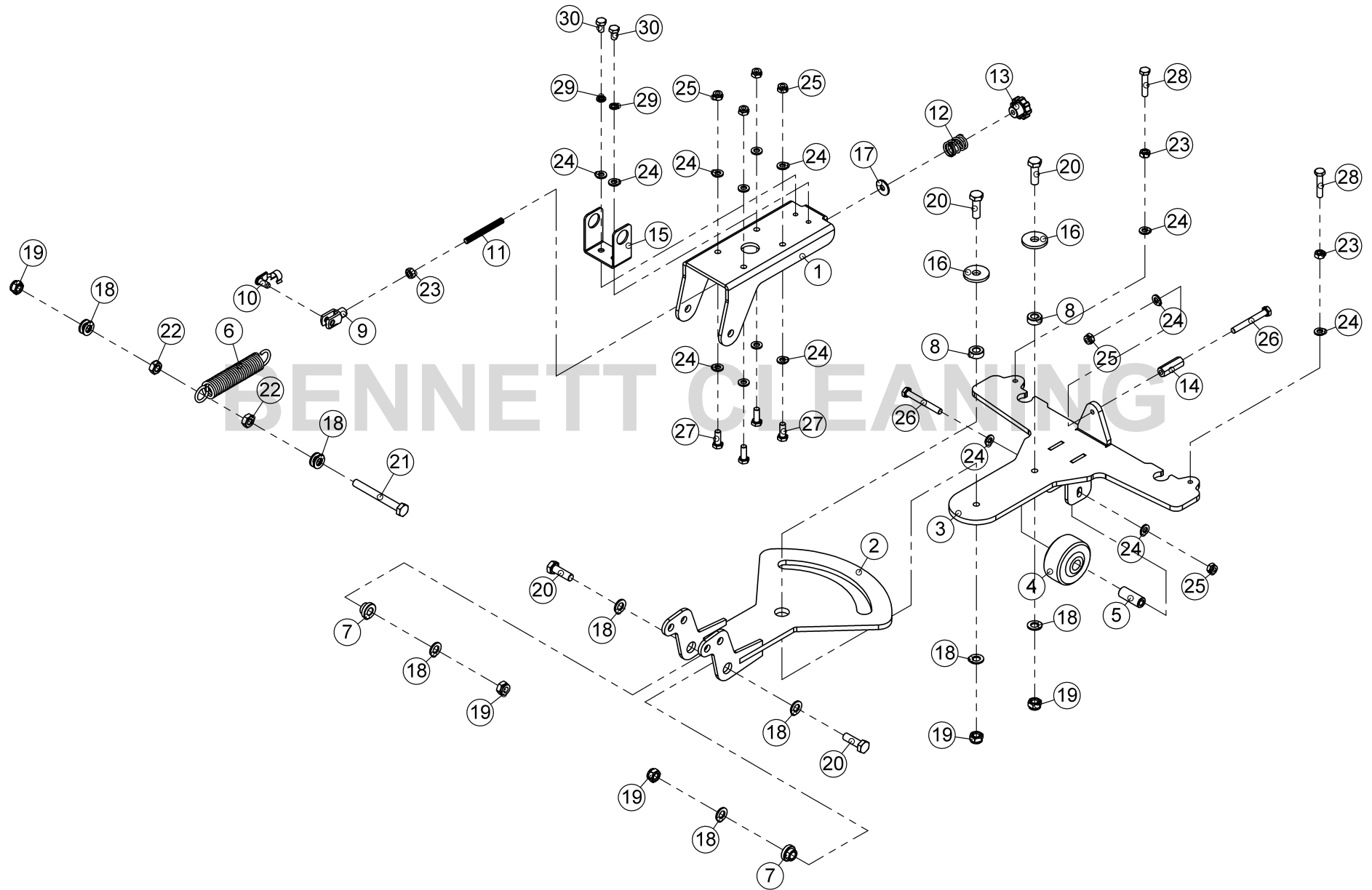
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1	301221	Frame	底架	1	29	630041	Washer 6	弹簧垫 6	6
2	700401	Traction ASM HH83T	驱动桥 HH83T	1	30	620041	Nut M6	螺母 M6	6
3	311121	Support	支架	2	31	601501	Bolt M6X45	螺栓 M6X45	4
4	550171	Wheel	主轮	2	32	601421	Bolt M6X10	螺栓 M6X10	2
5	550041	Caster 4"	万向轮 4吋	2	33	612341	Screw M5X12	螺钉 M5X12	3
6	311081	Support	支架	1	34	622041	Nut M6	螺母 M6	2
7	311101	Support	支架	1	35	621041	Nut M6	螺母 M6	4
8	210231	Pivot Block	夹紧块	4	36	601471	Bolt M6X30	螺栓 M6X30	2
9	301271	Arm	吊臂	1					
10	410381	Axle	轴	1					
11	301241	Arm	吊臂	1					
12	330061	Pedal	踏板	1					
13	250111	Pedal cover	踏板盖	1					
14	250751	Splash guard	防溅板	1					
15	210261	Plastic washer	塑料垫	3					
16	211181	Dust cover	防尘盖	2					
17	640411	Plain parallel key 6X40	平键 6X40	2					
18	631051	Washer 8	平垫 8	19					
19	601621	Bolt M8X20	螺栓 M8X20	16					
20	620051	Nut M8	螺母 M8	12					
21	633031	Washer 8	平垫 8	2					
22	630051	Washer 8	弹簧垫 8	6					
23	632041	Washer 8	平垫 8	10					
24	601611	Bolt M8X16	螺栓 M8X16	2					
25	621051	Nut M8	螺母 M8	1					
26	615441	Screw M8X30	螺钉 M8X30	1					
27	631041	Washer 6	平垫 6	18					
28	601441	Bolt M6X16	螺栓 M6X16	2					



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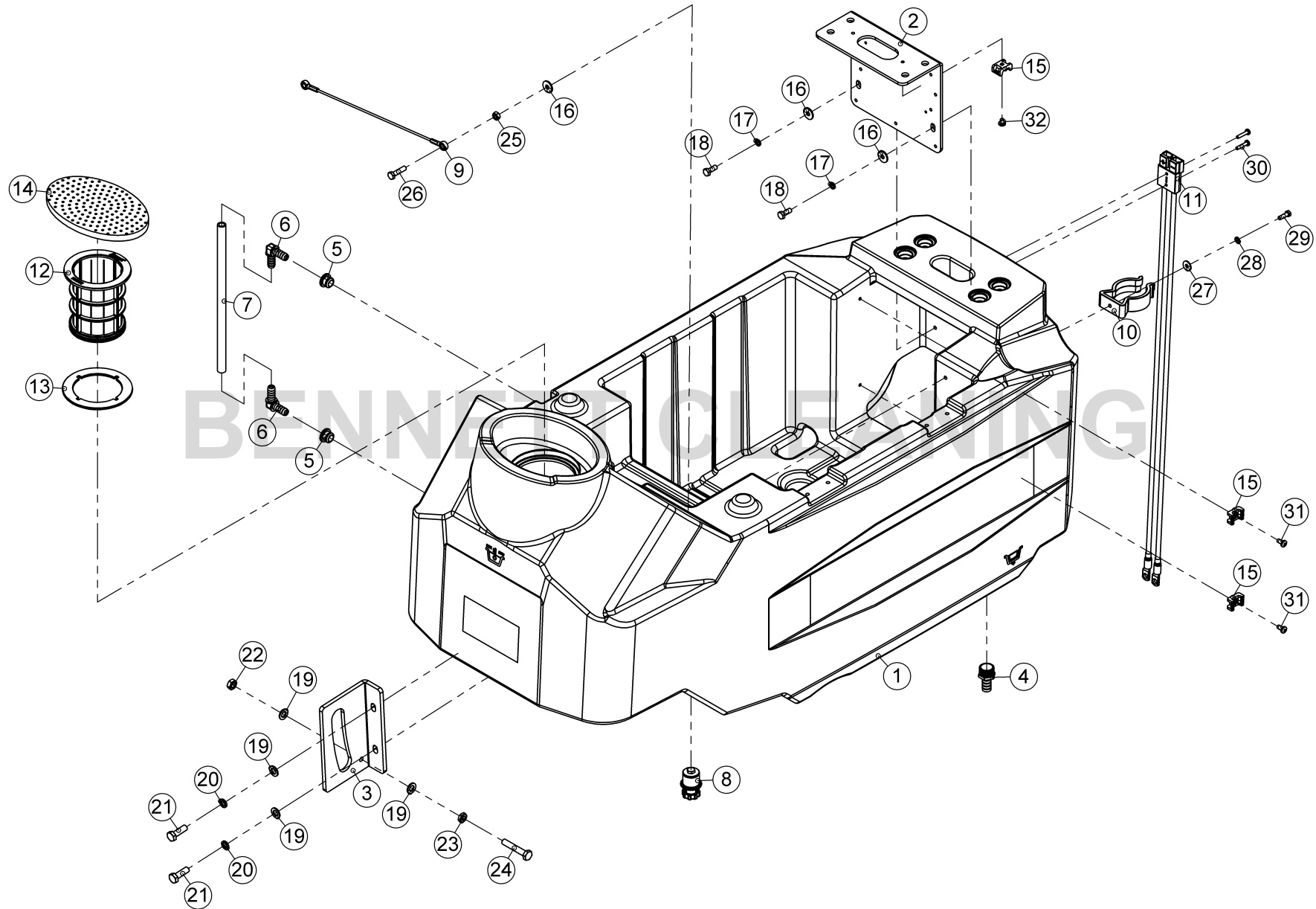
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1	301221	Frame	底架	1	29	630041	Washer 6	弹簧垫 6	6
2	700401	Traction ASM HH83T	驱动桥 HH83T	1	30	620041	Nut M6	螺母 M6	6
3	311121	Support	支架	2	31	601501	Bolt M6X45	螺栓 M6X45	4
4	550171	Wheel	主轮	2	32	601421	Bolt M6X10	螺栓 M6X10	2
5	550041	Caster 4"	万向轮 4吋	2	33	612341	Screw M5X12	螺钉 M5X12	3
6	311081	Support	支架	1					
7	311101	Support	支架	1					
8	210231	Pivot Block	夹紧块	4					
9	301291	Arm	吊臂	1					
10	410381	Axle	轴	1					
11	301241	Arm	吊臂	1					
12	330061	Pedal	踏板	1					
13	250111	Pedal cover	踏板盖	1					
14	250751	Splash guard	防溅板	1					
15	210261	Plastic washer	塑料垫	3					
16	211181	Dust cover	防尘盖	2					
17	640411	Plain parallel key 6X40	平键 6X40	2					
18	631051	Washer 8	平垫 8	19					
19	601621	Bolt M8X20	螺栓 M8X20	16					
20	620051	Nut M8	螺母 M8	12					
21	633031	Washer 8	平垫 8	2					
22	630051	Washer 8	弹簧垫 8	6					
23	632041	Washer 8	平垫 8	10					
24	601611	Bolt M8X16	螺栓 M8X16	2					
25	621051	Nut M8	螺母 M8	1					
26	615441	Screw M8X30	螺钉 M8X30	1					
27	631041	Washer 6	平垫 6	14					
28	601441	Bolt M6X16	螺栓 M6X16	2					



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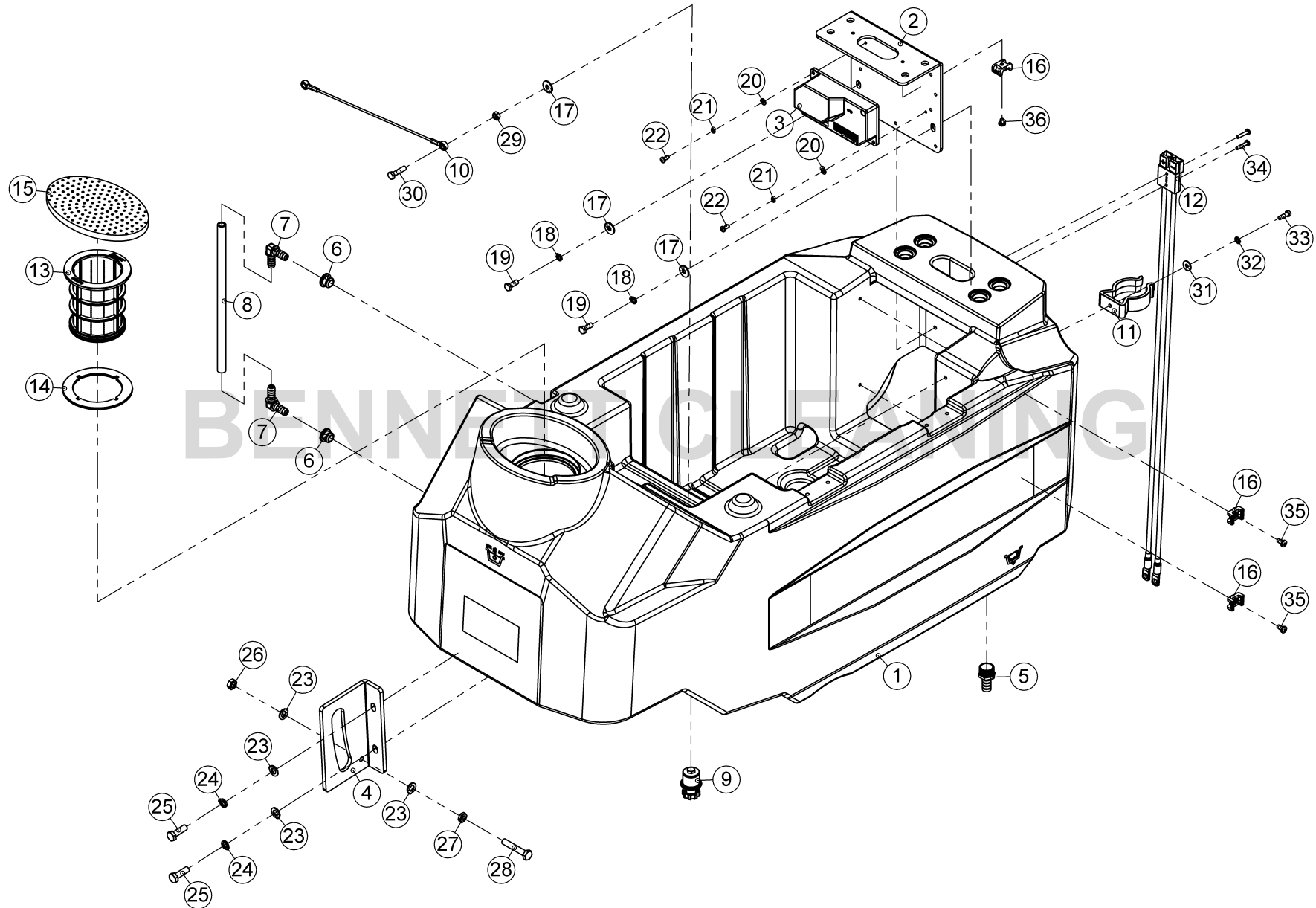
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1	311071	Support	支架	1	29	630041	Washer 6	弹簧垫 6	2
2	301251	Support	支架	1	30	601421	Bolt M6X10	螺栓 M6X10	2
3	301261	Support	支架	1					
4	210421	Idle wheel	惰轮	1					
5	400071	Bushing	套	1					
6	360291	Spring	弹簧	1					
7	400031	Bushing	套	2					
8	400591	Bushing	套	2					
9	640371	Fork G 6X12	叉形接头 6X12	1					
10	640381	Clip pin SP 6X12	销扣 6X12	1					
11	430491	Stud bolt	螺柱	1					
12	360091	Spring	弹簧	1					
13	210321	Knob	旋钮	1					
14	430551	Special nut	特殊螺母	1					
15	311091	Support	支架	1					
16	633031	Washer 8	垫片 8	2					
17	632031	Washer 6	垫片 6	1					
18	631051	Washer 8	平垫 8	10					
19	620051	Nut M8	螺母 M8	5					
20	601631	Bolt M8X25	螺栓 M8X25	4					
21	601721	Bolt M8X70	螺栓 M8X70	1					
22	621051	Nut M8	螺母 M8	2					
23	621041	Nut M6	螺母 M6	3					
24	631041	Washer 6	平垫 6	15					
25	620041	Nut M6	螺母 M6	6					
26	601511	Bolt M6X50	螺栓 M6X50	2					
27	601441	Bolt M6X16	螺栓 M6X16	4					
28	601471	Bolt M6X30	螺栓 M6X30	2					



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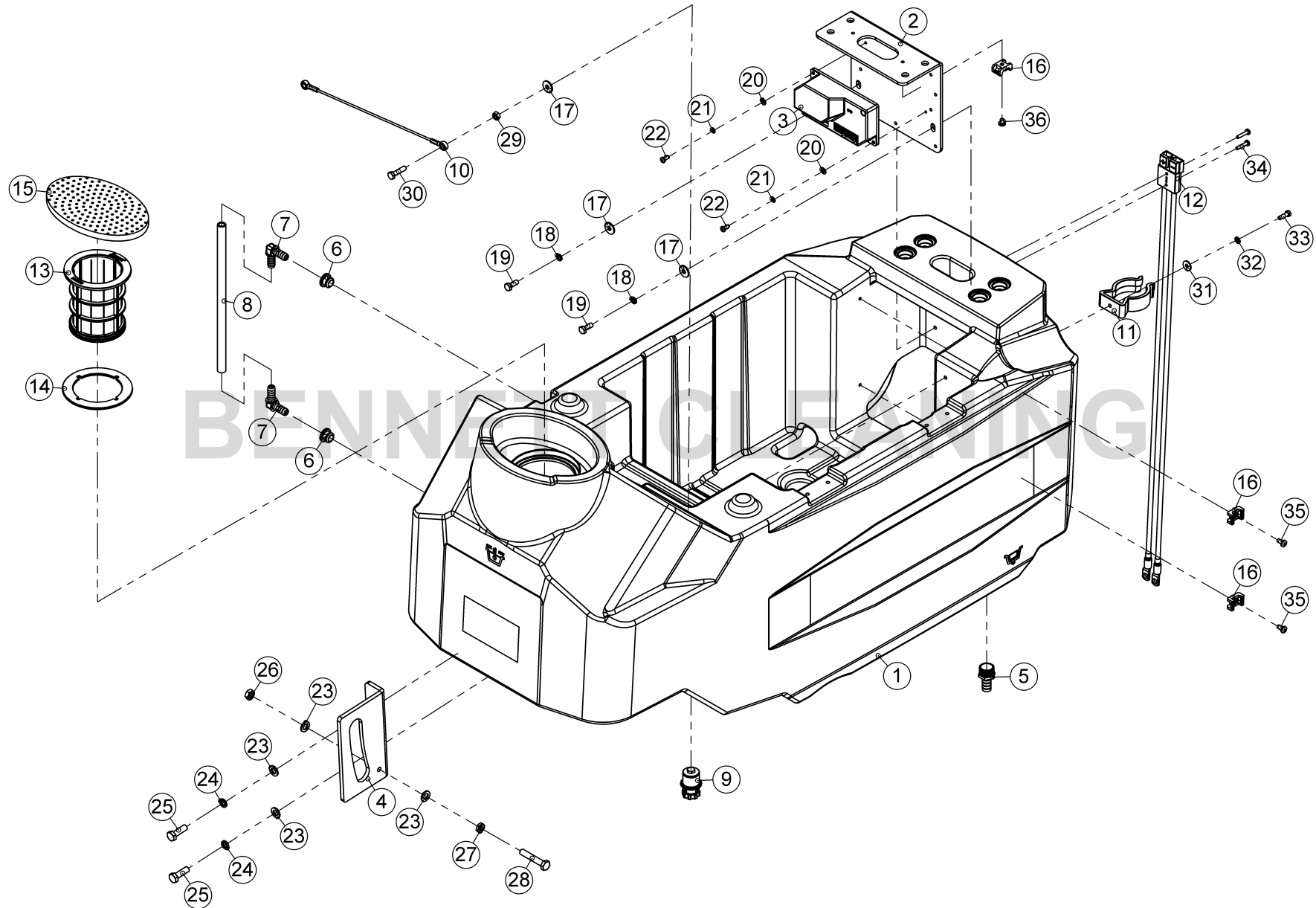
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1	200341	Solution tank	溶液箱	1	29	601241	Bolt M5X16	螺栓 M5X16	1
2	311171	Support	支架	1	30	610221	Screw M4X20	螺钉 M4X20	2
3	311181	Support	支架	1	31	610331	Screw M5X10	螺钉 M5X10	6
4	530151	Fitting Barbed G1/2	接头 G1/2	1	32	610311	Screw M5X6	螺钉 M5X6	1
5	250421	Gasket	密封圈	2					
6	530131	Elbow	弯头	2					
7	220641	Pipe	水管	1					
8	250521	Plug asm	管堵组件	1					
9	540161	Lift cable	提拉钢缆	1					
10	211151	Hose clip	管夹	1					
11	740091	Power Cable ASM	电源线组件	1					
12	211891	Filter	过滤器	1					
13	250761	Gasket	密封垫	1					
14	230381	Filter	过滤器	1					
15	211101	Plastic mount	扎带固定座	7					
16	632031	Washer 6	平垫 6	3					
17	630041	Washer 6	弹簧垫 6	2					
18	601441	Bolt M6X16	螺栓 M6X16	2					
19	631051	Washer 8	平垫 8	4					
20	630051	Washer 8	弹簧垫 8	2					
21	601631	Bolt M8X25	螺栓 M8X25	2					
22	621051	Nut M8	螺母 M8	1					
23	622051	Nut M8	螺母 M8	1					
24	601671	Bolt M8X45	螺栓 M8X45	1					
25	621041	Nut M6	螺母 M6	1					
26	601461	Bolt M6X25	螺栓 M6X25	1					
27	632021	Washer 5	平垫 5	1					
28	630031	Washer 5	弹簧垫 5	1					



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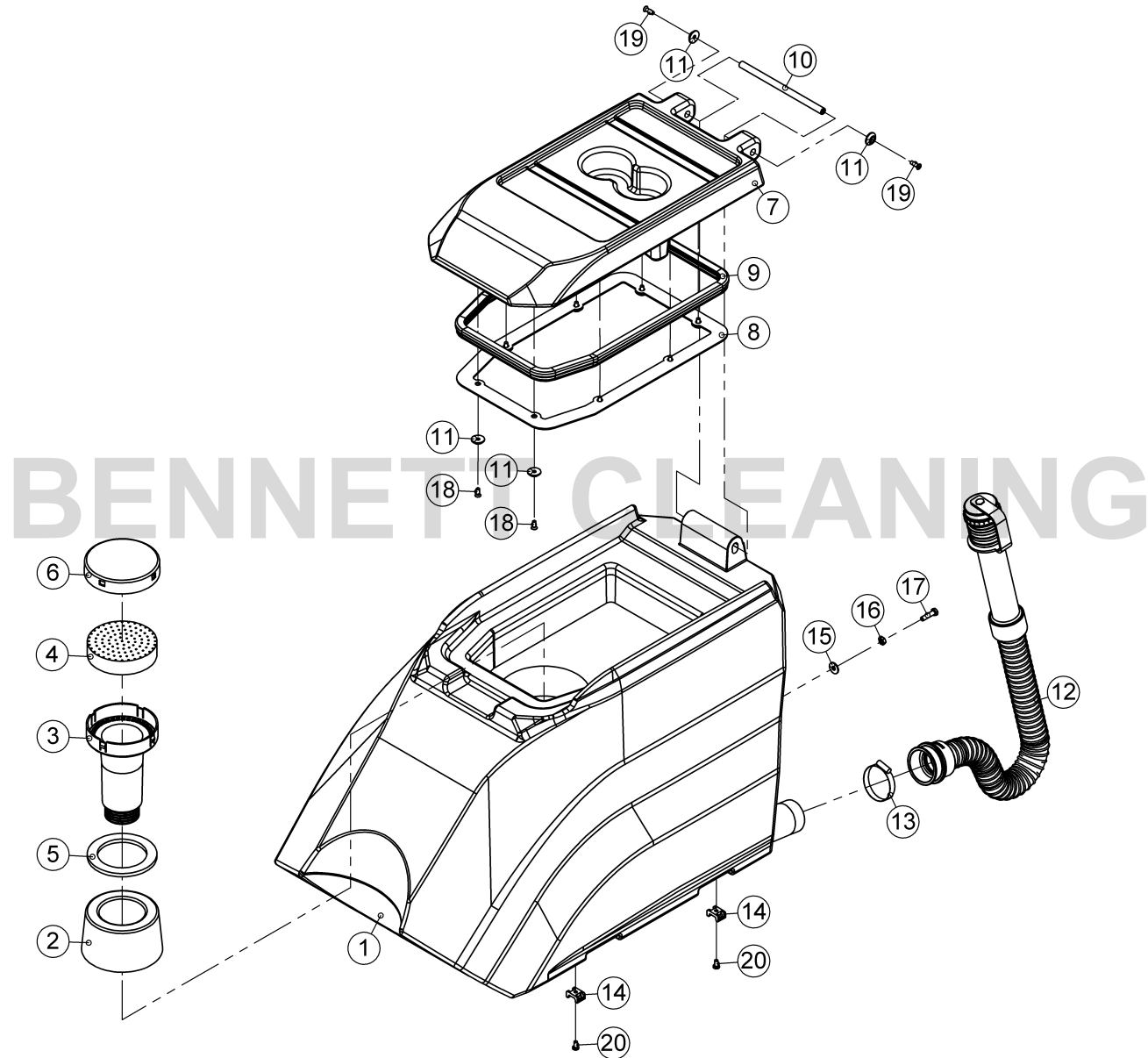
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1	200341	Solution tank	溶液箱	1	29	621041	Nut M6	螺母 M6	1
2	311171	Support	支架	1	30	601461	Bolt M6X25	螺栓 M6X25	1
3	720031	Speed controller (7CH4Q45B)	速度控制器 (7CH4Q45B)	1	31	632021	Washer 5	平垫 5	1
4	311181	Support	支架	1	32	630031	Washer 5	弹簧垫 5	1
5	530151	Fitting Barbed G1/2	接头 G1/2	1	33	601241	Bolt M5X16	螺栓 M5X16	1
6	250421	Gasket	密封圈	2	34	610221	Screw M4X20	螺钉 M4X20	2
7	530131	Elbow	弯头	2	35	610331	Screw M5X10	螺钉 M5X10	6
8	220641	Pipe	水管	1	36	610311	Screw M5X6	螺钉 M5X6	1
9	250521	Plug asm	管堵组件	1					
10	540161	Lift cable	提拉钢缆	1					
11	211151	Hose clip	管夹	1					
12	740091	Power Cable ASM	电源线组件	1					
13	211891	Filter	过滤器	1					
14	250761	Gasket	密封垫	1					
15	230381	Filter	过滤器	1					
16	211101	Plastic mount	扎带固定座	7					
17	632031	Washer 6	平垫 6	3					
18	630041	Washer 6	弹簧垫 6	2					
19	601441	Bolt M6X16	螺栓 M6X16	2					
20	631021	Washer 4	平垫 4	2					
21	630021	Washer 4	弹簧垫 4	2					
22	610191	Screw M4X10	螺钉 M4X10	2					
23	631051	Washer 8	平垫 8	4					
24	630051	Washer 8	弹簧垫 8	2					
25	601631	Bolt M8X25	螺栓 M8X25	2					
26	621051	Nut M8	螺母 M8	1					
27	622051	Nut M8	螺母 M8	1					
28	601671	Bolt M8X45	螺栓 M8X45	1					

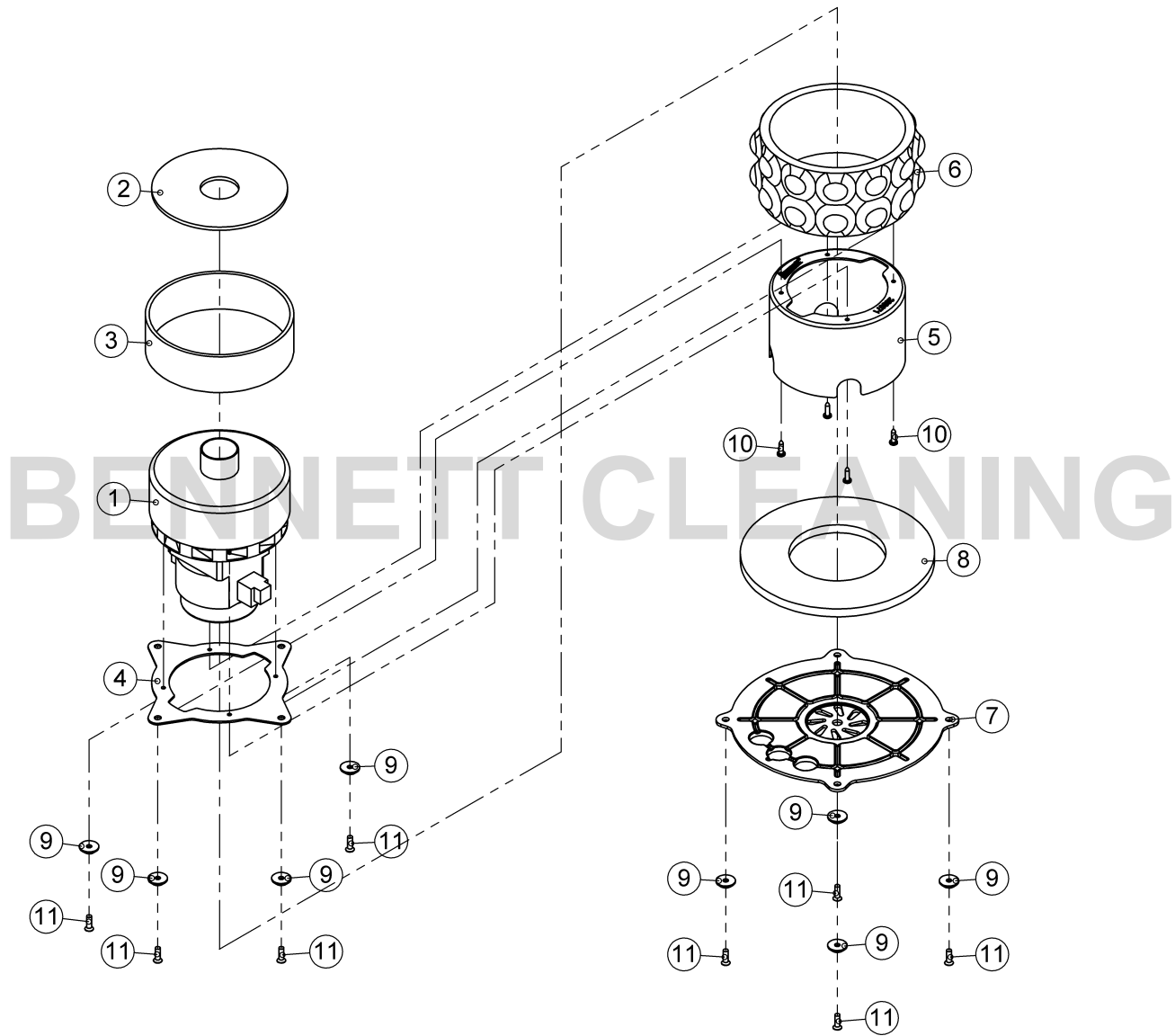


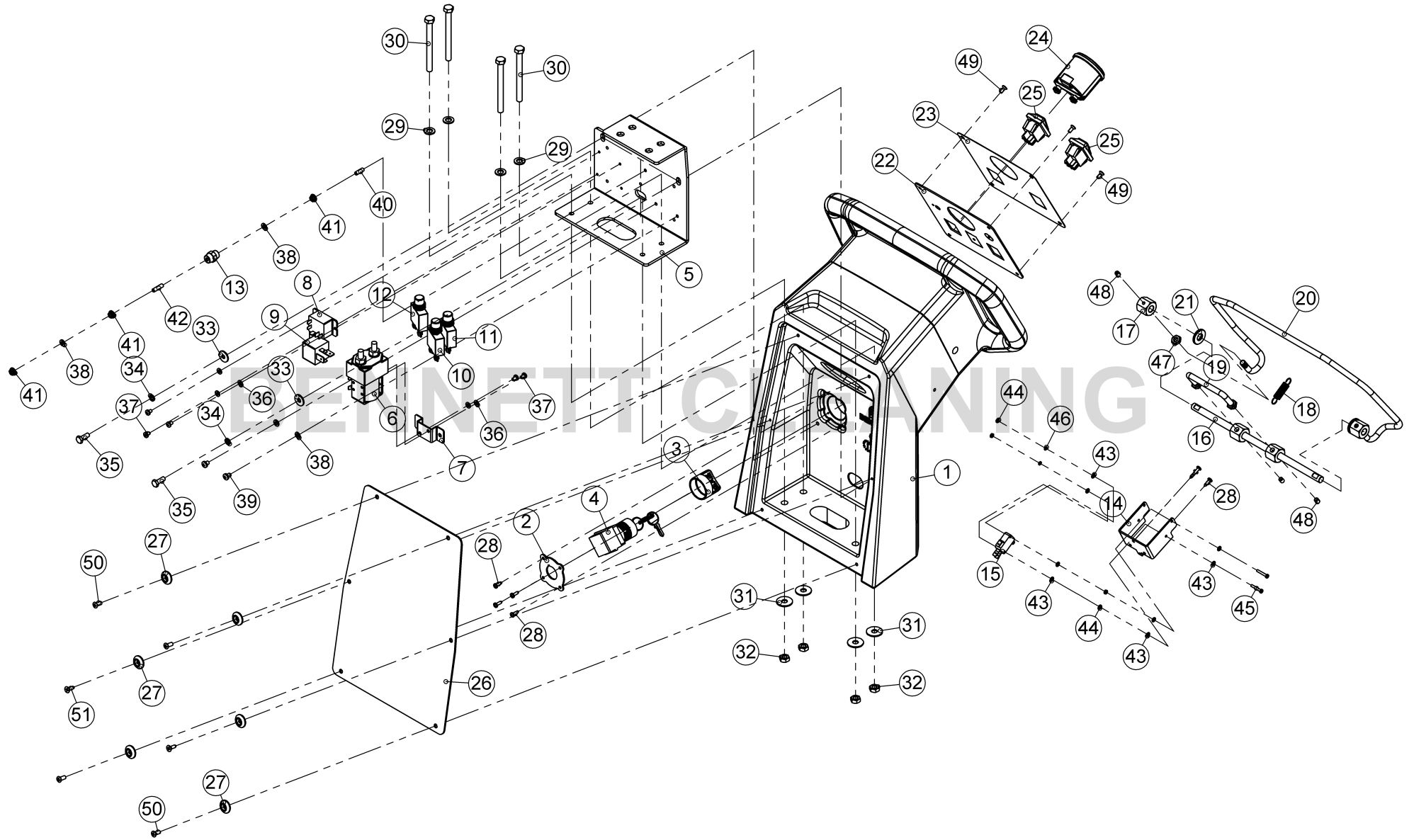
零件清单 (PARTS LIST)

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项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.	项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.
1	200341	Solution tank	溶液箱	1	29	621041	Nut M6	螺母 M6	1
2	311171	Support	支架	1	30	601461	Bolt M6X25	螺栓 M6X25	1
3	720031	Speed controller (7CH4Q45B)	速度控制器 (7CH4Q45B)	1	31	632021	Washer 5	平垫 5	1
4	311191	Support	支架	1	32	630031	Washer 5	弹簧垫 5	1
5	530151	Fitting Barbed G1/2	接头 G1/2	1	33	601241	Bolt M5X16	螺栓 M5X16	1
6	250421	Gasket	密封圈	2	34	610221	Screw M4X20	螺钉 M4X20	2
7	530131	Elbow	弯头	2	35	610331	Screw M5X10	螺钉 M5X10	6
8	220641	Pipe	水管	1	36	610311	Screw M5X6	螺钉 M5X6	1
9	250521	Plug asm	管堵组件	1					
10	540161	Lift cable	提拉钢缆	1					
11	211151	Hose clip	管夹	1					
12	740091	Power Cable ASM	电源线组件	1					
13	211891	Filter	过滤器	1					
14	250761	Gasket	密封垫	1					
15	230381	Filter	过滤器	1					
16	211101	Plastic mount	扎带固定座	7					
17	632031	Washer 6	平垫 6	3					
18	630041	Washer 6	弹簧垫 6	2					
19	601441	Bolt M6X16	螺栓 M6X16	2					
20	631021	Washer 4	平垫 4	2					
21	630021	Washer 4	弹簧垫 4	2					
22	610191	Screw M4X10	螺钉 M4X10	2					
23	631051	Washer 8	平垫 8	4					
24	630051	Washer 8	弹簧垫 8	2					
25	601631	Bolt M8X25	螺栓 M8X25	2					
26	621051	Nut M8	螺母 M8	1					
27	622051	Nut M8	螺母 M8	1					
28	601671	Bolt M8X45	螺栓 M8X45	1					



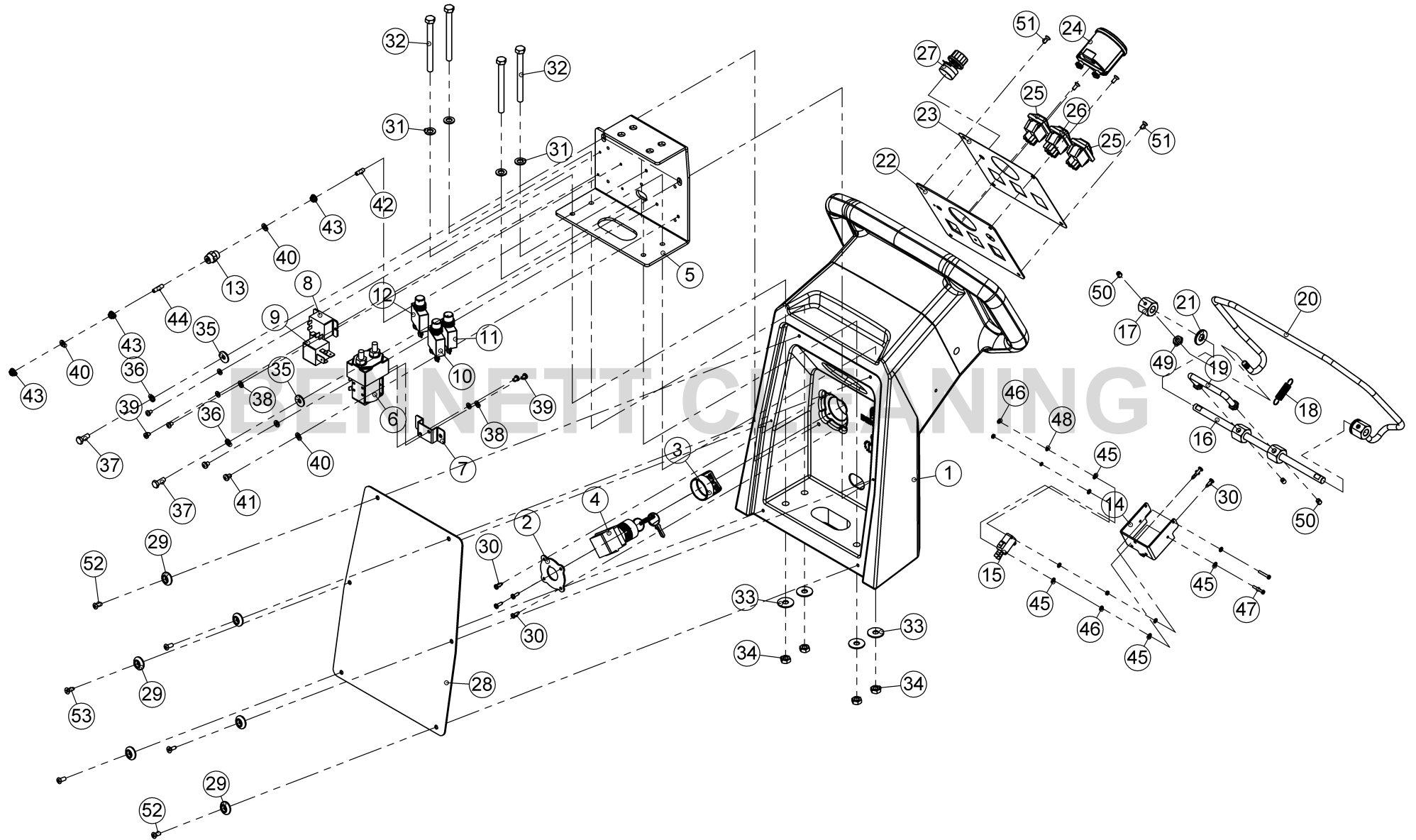




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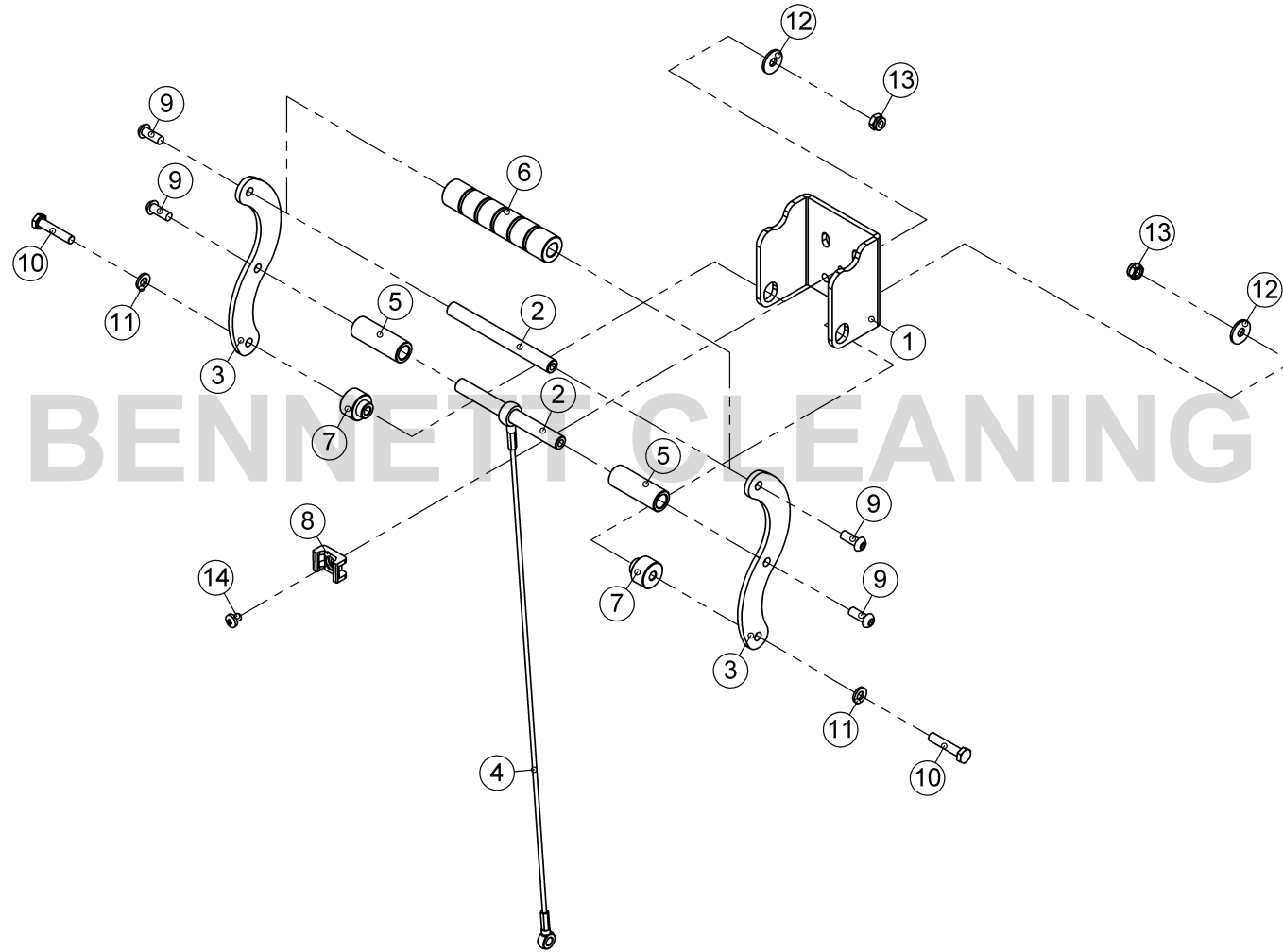
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1	200361	Handle	手柄	1	29	631051	Washer 8	平垫 8	4
2	330731	Support	支架	1	30	601761	Bolt M8X90	螺栓 M8X90	4
3	250711	Dust cover	防尘罩	1	31	632041	Washer 8	平垫 8	4
4	730111	Key switch	钥匙开关	1	32	621051	Nut M8	螺母 M8	4
5	311161	Support	支架	1	33	632031	Washer 6	平垫 6	2
6	710061	Relay	继电器	1	34	630041	Washer 6	弹簧垫 6	2
7	310781	Support	支架	1	35	601441	Bolt M6X16	螺栓 M6X16	2
8	710171	Relay	继电器	1	36	631021	Washer 4	平垫 4	5
9	710311	Relay	继电器	1	37	610171	Screw M4X6	螺钉 M4X6	5
10	730141	Circuit Breaker 3A	断路器 3A	1	38	631031	Washer 5	平垫 5	4
11	730161	Circuit Breaker 25A	断路器 25A	1	39	610311	Screw M5X6	螺钉 M5X6	2
12	730271	Circuit Breaker 30A	断路器 30A	1	40	613211	Screw M5X16	紧定 M5X16	1
13	210531	Insulator	绝缘子	1	41	623011	Nut with flange M5	螺母 M5	3
14	311151	Support	支架	1	42	613231	Screw M5X25	紧定 M5X25	1
15	730131	Microswitch	微动开关	1	43	631011	Washer 3	平垫 3	8
16	410411	Pivot	转轴	1	44	621011	Nut M3	螺母 M3	4
17	430561	Special nut	特殊螺母	4	45	610071	Screw M3X20	螺钉 M3X20	2
18	360361	Spring	弹簧	1	46	630011	Washer 3	弹簧垫 3	2
19	340131	Lever	操作杆	1	47	622051	Nut M8	螺母 M8	4
20	340121	Lever	操作杆	1	48	613181	Screw M5X8	紧定 M5X8	4
21	211901	Plastic washer	塑料垫	2	49	612191	Screw M4X10	螺钉 M4X10	4
22	330741	Instrument board	仪表板	1	50	612341	Screw M5X12	螺钉 M5X12	4
23	840731	Operation decal	面板标签	1	51	617541	Screw ST4.2X16	螺钉 ST4.2X16	2
24	720051	Hourmeter	电量小时计	1					
25	730381	Rocker switch	船形开关	2					
26	211831	Cover	盖子	1					
27	210261	Plastic washer	塑料垫	6					
28	617071	Screw ST3.5X13	螺钉 ST3.5X13	7					

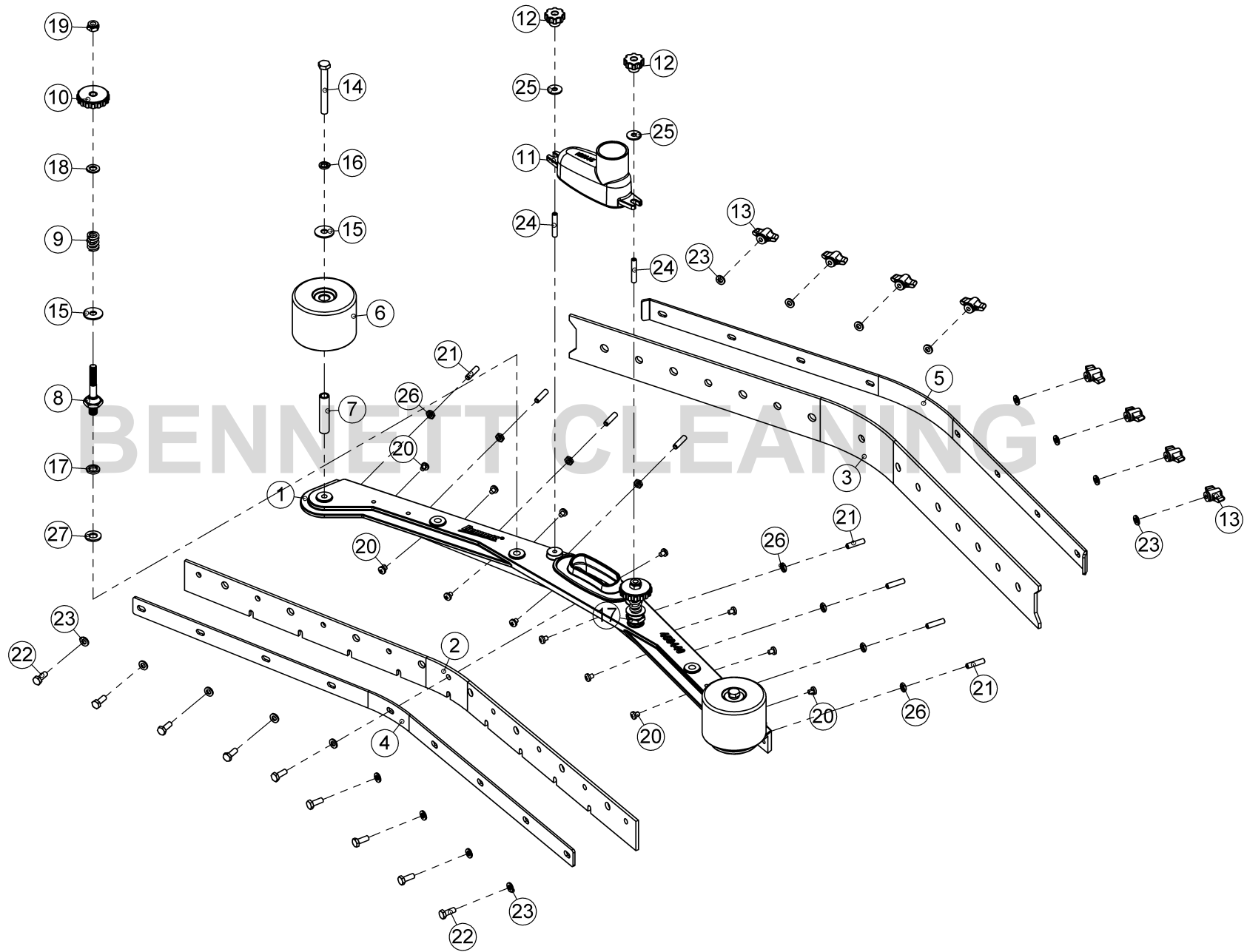


零件清单 (PARTS LIST)

Clever 510BT&660BT

项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.	项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.
1	200361	Handle	手柄	1	28	211831	Cover	盖子	1
2	330731	Support	支架	1	29	210261	Plastic washer	塑料垫	6
3	250711	Dust cover	防尘罩	1	30	617071	Screw ST3.5X13	螺钉 ST3.5X13	7
4	730111	Key switch	钥匙开关	1	31	631051	Washer 8	平垫 8	4
5	311161	Support	支架	1	32	601761	Bolt M8X90	螺栓 M8X90	4
6	710061	Relay	继电器	1	33	632041	Washer 8	平垫 8	4
7	310781	Support	支架	1	34	621051	Nut M8	螺母 M8	4
8	710171	Relay	继电器	1	35	632031	Washer 6	平垫 6	2
9	710311	Relay	继电器	1	36	630041	Washer 6	弹簧垫 6	2
10	730141	Circuit Breaker 3A	断路器 3A	1	37	601441	Bolt M6X16	螺栓 M6X16	2
11	730161	Circuit Breaker 25A	断路器 25A	1	38	631021	Washer 4	平垫 4	5
12	730271	Circuit Breaker 30A	断路器 30A	1	39	610171	Screw M4X6	螺钉 M4X6	5
	730161	Circuit Breaker 25A	断路器 25A	2	40	631031	Washer 5	平垫 5	4
13	210531	Insulator	绝缘子	1	41	610311	Screw M5X6	螺钉 M5X6	2
14	311151	Support	支架	1	42	613211	Screw M5X16	紧定 M5X16	1
15	730131	Microswitch	微动开关	1	43	623011	Nut with flange M5	螺母 M5	3
16	410411	Pivot	转轴	1	44	613231	Screw M5X25	紧定 M5X25	1
17	430561	Special nut	特殊螺母	4	45	631011	Washer 3	平垫 3	8
18	360361	Spring	弹簧	1	46	621011	Nut M3	螺母 M3	4
19	340131	Lever	操作杆	1	47	610071	Screw M3X20	螺钉 M3X20	2
20	340121	Lever	操作杆	1	48	630011	Washer 3	弹簧垫 3	2
21	211901	Plastic washer	塑料垫	2	49	622051	Nut M8	螺母 M8	4
22	330741	Instrument board	仪表板	1	50	613181	Screw M5X8	紧定 M5X8	4
23	840741	Operation decal	面板标签	1	51	612191	Screw M4X10	螺钉 M4X10	4
24	720051	Hourmeter	电量小时计	1	52	612341	Screw M5X12	螺钉 M5X12	4
25	730381	Rocker switch	船形开关	2	53	617541	Screw ST4.2X16	螺钉 ST4.2X16	2
26	730371	Rocker switch	船形开关	1					
27	720071	Potentiometer	调速开关	1					

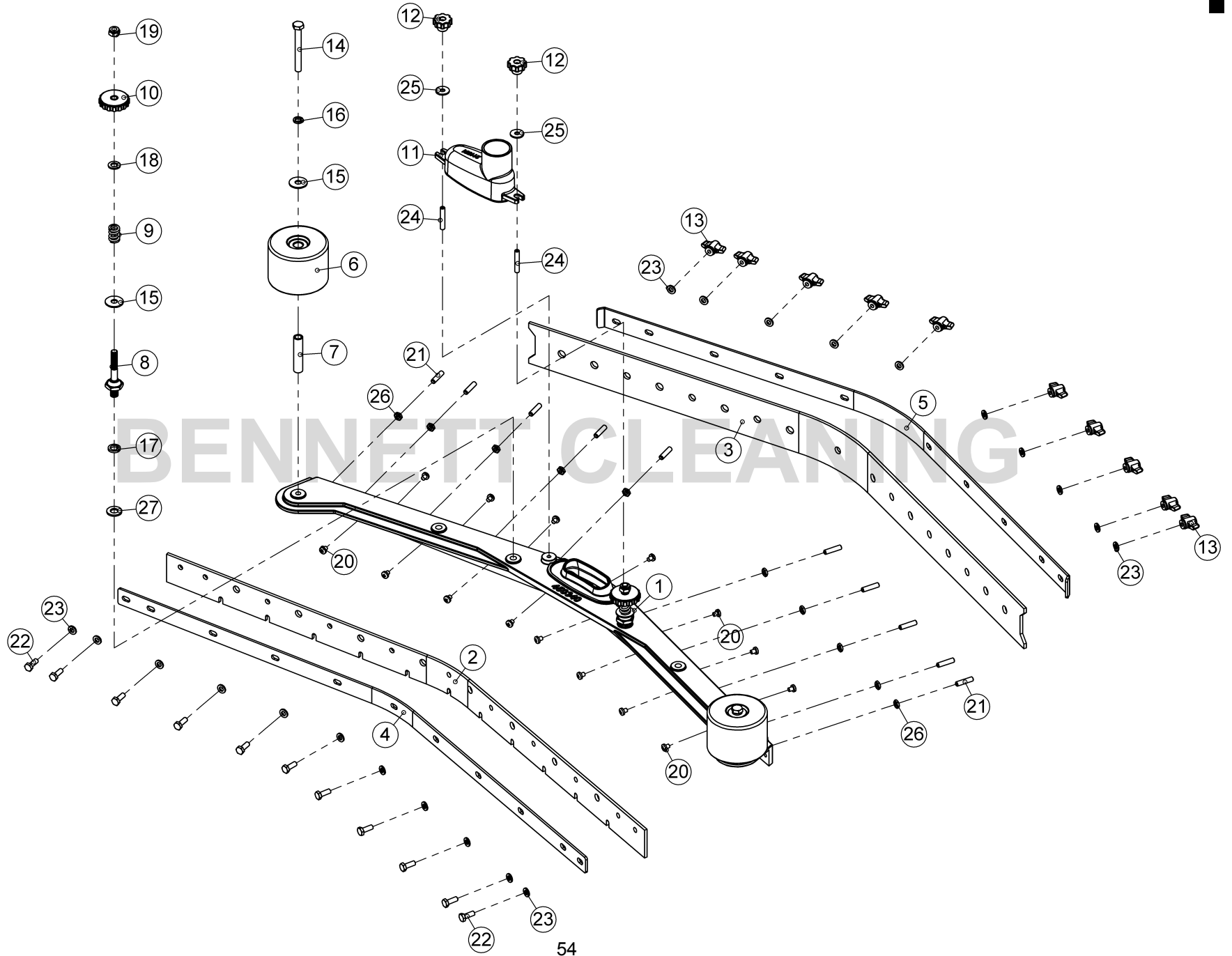




零件清单(PARTS LIST)

Clever 510B&510BT

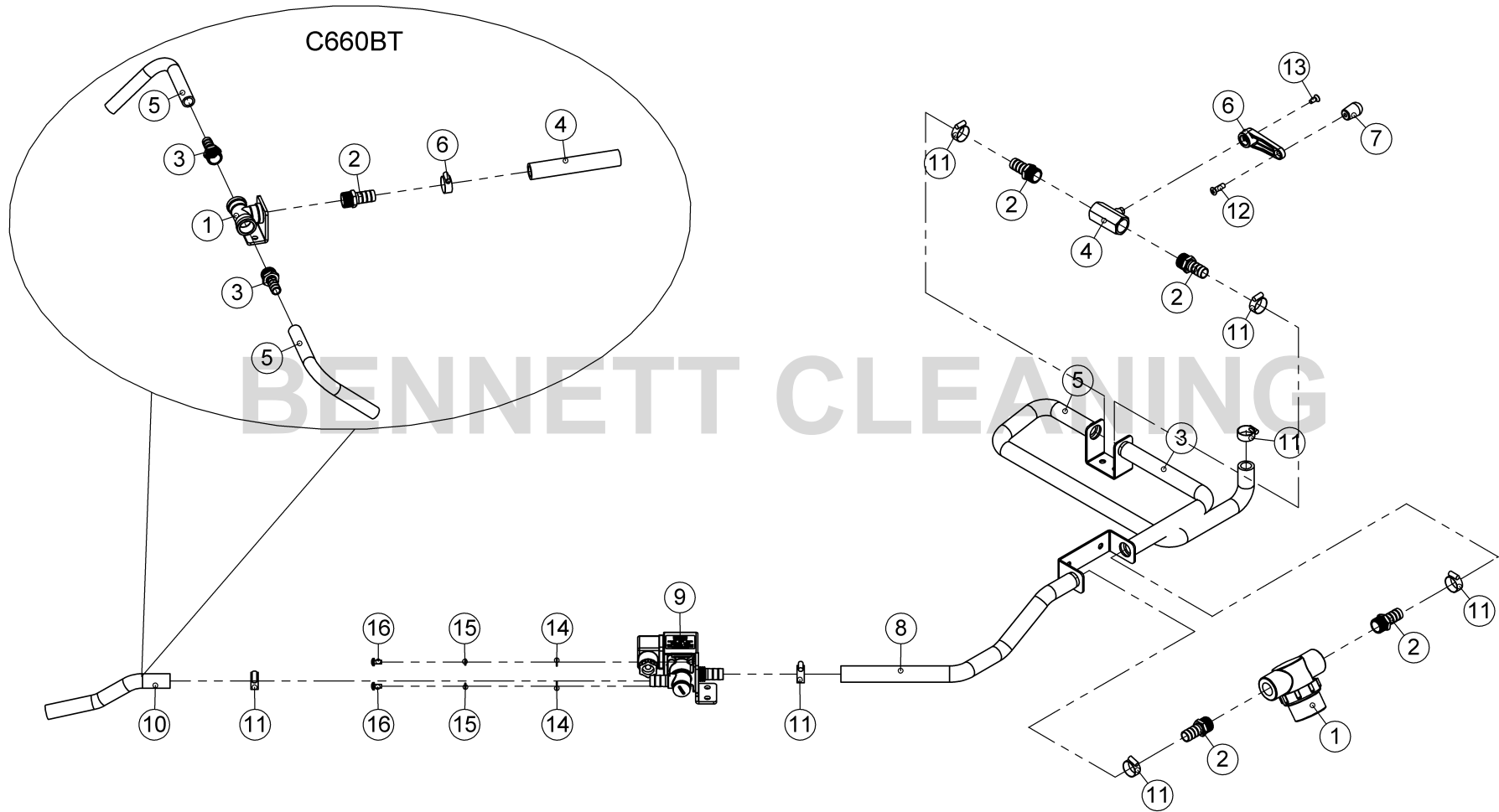
项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.	项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.
1	450441	Squeegee body	吸水扒体	1					
2	250581	Front rubber	前刮条	1					
3	250591	Rear rubber--NR	后刮条--天然橡胶	1					
	250701	Rear rubber--PU(Optional)	后刮条--聚氨酯(可选)	1					
4	310791	Front blade	前压板	1					
5	310801	Rear blade	后压板	1					
6	211271	Bumper wheel	缓冲轮	2					
7	400391	Bushing	套	2					
8	430321	Stud bolt	螺柱	2					
9	360281	Spring	弹簧	2					
10	210181	Knob	旋钮	2					
11	211551	Opening	接头	1					
12	210321	Knob	旋钮	2					
13	210471	Wing nut M6	翼形螺母 M6	8					
14	601721	Bolt M8X70	螺栓 M8X70	2					
15	632041	Washer 8	平垫 8	4					
16	630051	Washer 8	弹簧垫 8	2					
17	630061	Washer 10	弹簧垫 10	2					
18	631051	Washer 8	平垫 8	2					
19	620051	Nut M8	螺母 M8	2					
20	610311	Screw M5X6	螺钉 M5X6	13					
21	613371	Screw M6X25	紧定 M6X25	8					
22	601441	Bolt M6X16	螺栓 M6X16	9					
23	631041	Washer 6	平垫 6	17					
24	613391	Screw M6X35	紧定 M6X35	2					
25	632031	Washer 6	平垫 6	2					
26	622041	Nut M6	螺母 M6	8					
27	631061	Washer 10	平垫 10	2					



零件清单(PARTS LIST)

Clever 660BT

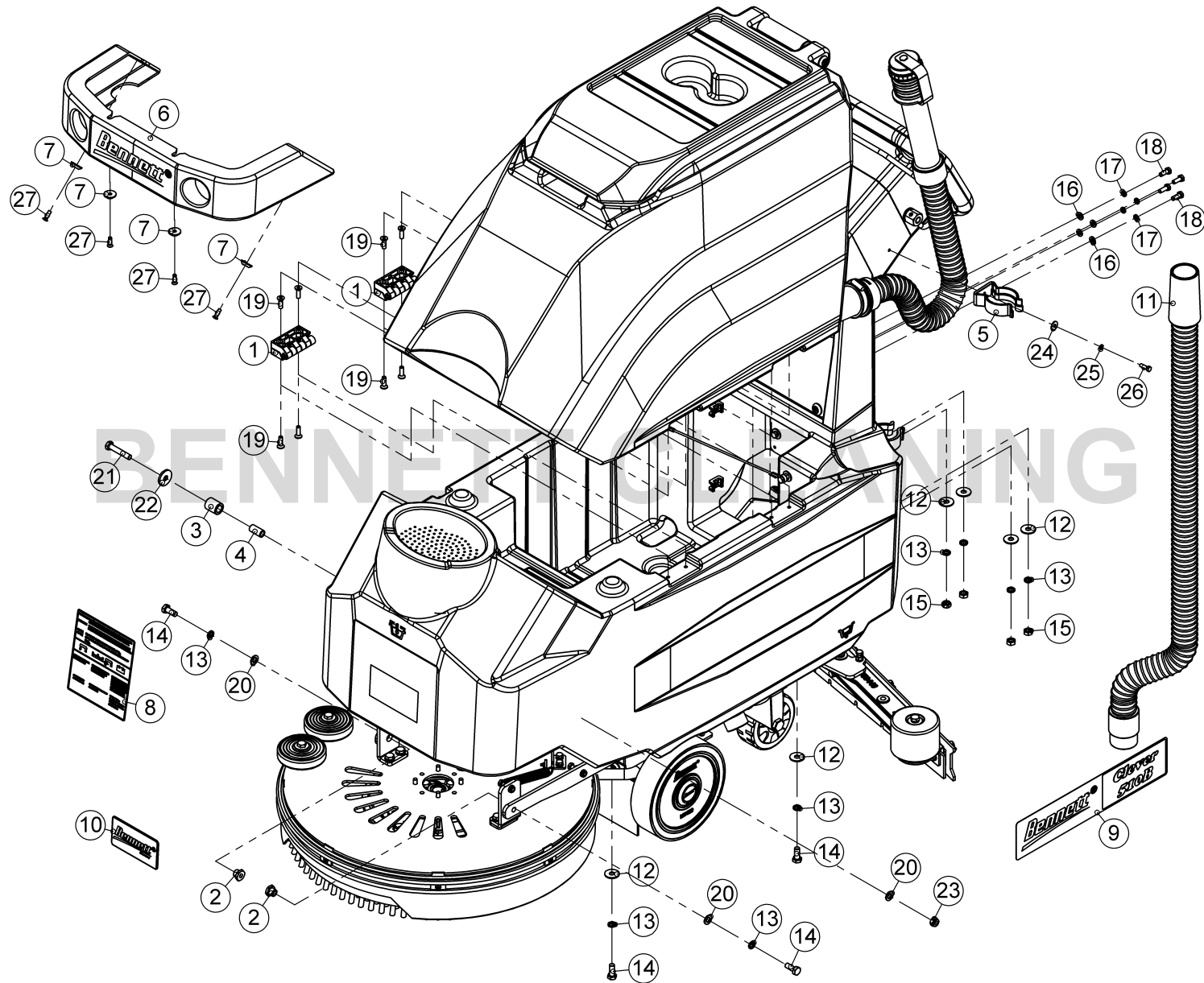
项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.	项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.
1	450341	Squeegee body	吸水扒体	1					
2	250341	Front rubber	前刮条	1					
3	250351	Rear rubber--NR	后刮条--天然橡胶	1					
	250361	Rear rubber--PU(Optional)	后刮条--聚氨酯(可选)	1					
4	310411	Front blade	前压板	1					
5	310421	Rear blade	后压板	1					
6	211271	Bumper wheel	缓冲轮	2					
7	400391	Bushing	套	2					
8	430321	Stud bolt	螺柱	2					
9	360281	Spring	弹簧	2					
10	210181	Knob	旋钮	2					
11	211551	Opening	接头	1					
12	210321	Knob	旋钮	2					
13	210471	Wing nut M6	翼形螺母 M6	10					
14	601721	Bolt M8X70	螺栓 M8X70	2					
15	632041	Washer 8	平垫 8	4					
16	630051	Washer 8	弹簧垫 8	2					
17	630061	Washer 10	弹簧垫 10	2					
18	631051	Washer 8	平垫 8	2					
19	620051	Nut M8	螺母 M8	2					
20	610311	Screw M5X6	螺钉 M5X6	15					
21	613371	Screw M6X25	紧定 M6X25	10					
22	601441	Bolt M6X16	螺栓 M6X16	11					
23	631041	Washer 6	平垫 6	21					
24	613391	Screw M6X35	紧定 M6X35	2					
25	632031	Washer 6	平垫 6	2					
26	622041	Nut M6	螺母 M6	10					
27	631061	Washer 10	平垫 10	2					



零件清单 (PARTS LIST)

Clever 510B&510BT&660BT

项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.	项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.
1	500061	Filter	过滤器	1					
2	530071	Fitting Barbed G3/8	接头 G3/8	4					
3	220621	Pipe	软管	1					
4	510021	Cock G3/8	球阀 G3/8	1					
5	220631	Pipe	软管	1					
6	211881	Lever	调节柄	1					
7	210951	Handle	手柄	1					
8	220611	Pipe	软管	1					
9	710011	Solenoid valve	电磁阀	1					
10	220591	Pipe	软管	1					
11	640031	Clamp 13-19mm	喉箍 13-19mm	7					
12	612351	Screw M5X16	螺钉 M5X16	1					
13	612191	Screw M4X10	螺钉 M4X10	1					
14	631021	Washer 4	平垫 4	2					
15	630021	Washer 4	弹簧垫 4	2					
16	610181	Screw M4X8	螺钉 M4X8	2					
C660BT									
1	530171	Distributor fitting	三通接头	1					
2	530071	Fitting Barbed G3/8	接头 G3/8	1					
3	530141	Fitting Barbed G3/8	接头 G3/8	2					
4	220601	Pipe	软管	1					
5	220101	Pipe	软管	2					
6	640031	Clamp 13-19mm	喉箍 13-19mm	1					

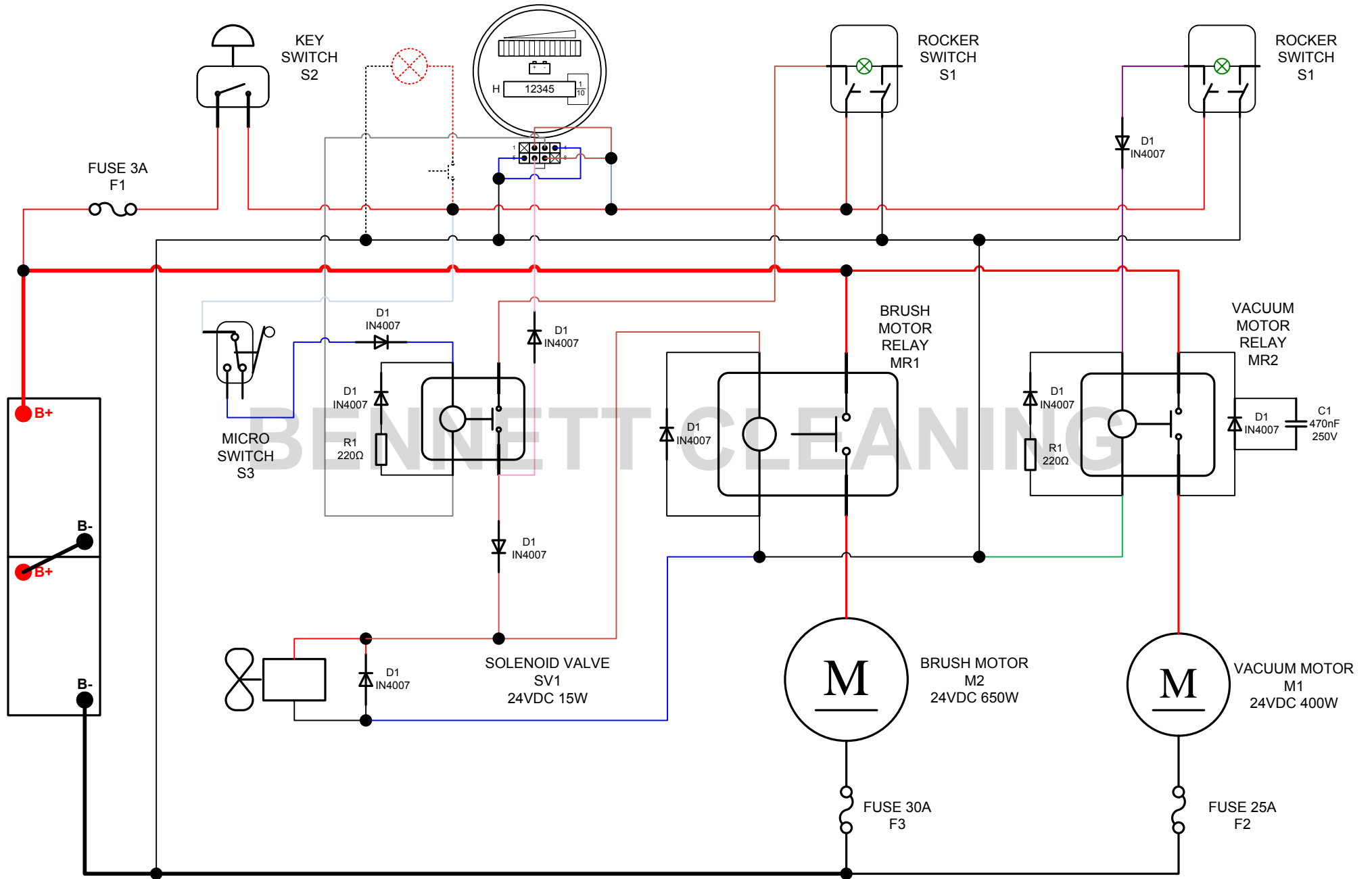


零件清单 (PARTS LIST)

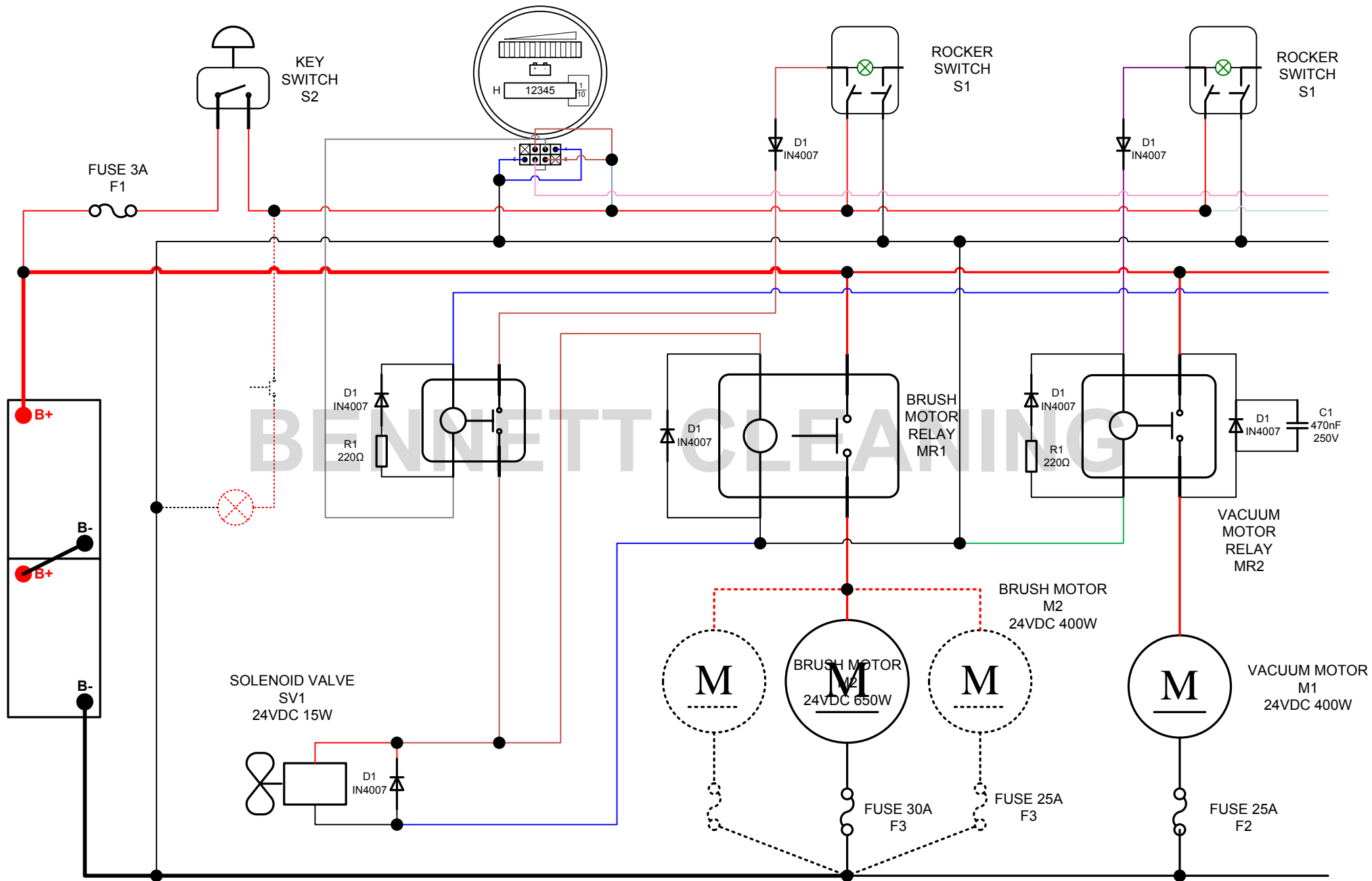
Clever 510B&510BT&660BT

项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.	项目号 ITEM	零件号 PART NUMBER	名称与规格 DESCRIPTION		数量 QTY.
1	520021	Hinge	铰链	2	27	612351	Screw M5X16	螺钉 M5X16	4
2	400111	Bushing	套	2					
3	211841	Bushing	套	1					
4	400631	Bushing	套	1					
5	211151	Hose clip	管夹	1					
6	200381	Cover	盖子	1					
7	210261	Plastic washer	塑料垫	4					
8	840301	Label	标签	1					
9	840261	Label 510B	标签 510B	2					
	840271	Label 510BT	标签 510BT	2					
	840291	Label 660BT	标签 660BT	2					
10	840101	Lable	标签	1					
11	220661	Suction hose	吸污管	1					
12	632041	Washer 8	平垫 8	9					
13	630051	Washer 8	弹簧垫 8	11					
14	601621	Bolt M8X20	螺栓 M8X20	7					
15	621051	Nut M8	螺母 M8	4					
16	631041	Washer 6	平垫 6	4					
17	630041	Washer 6	弹簧垫 6	4					
18	601441	Bolt M6X16	螺栓 M6X16	4					
19	615251	Screw M6X20	螺钉 M6X20	8					
20	631051	Washer 8	平垫 8	3					
21	601671	Bolt M8X45	螺栓 M8X45	1					
22	633031	Washer 8	平垫 8	1					
23	620051	Nut M8	螺母 M8	1					
24	632021	Washer 5	平垫 5	1					
25	630031	Washer 5	弹簧垫 5	1					
26	601241	Bolt M5X16	螺栓 M5X16	1					

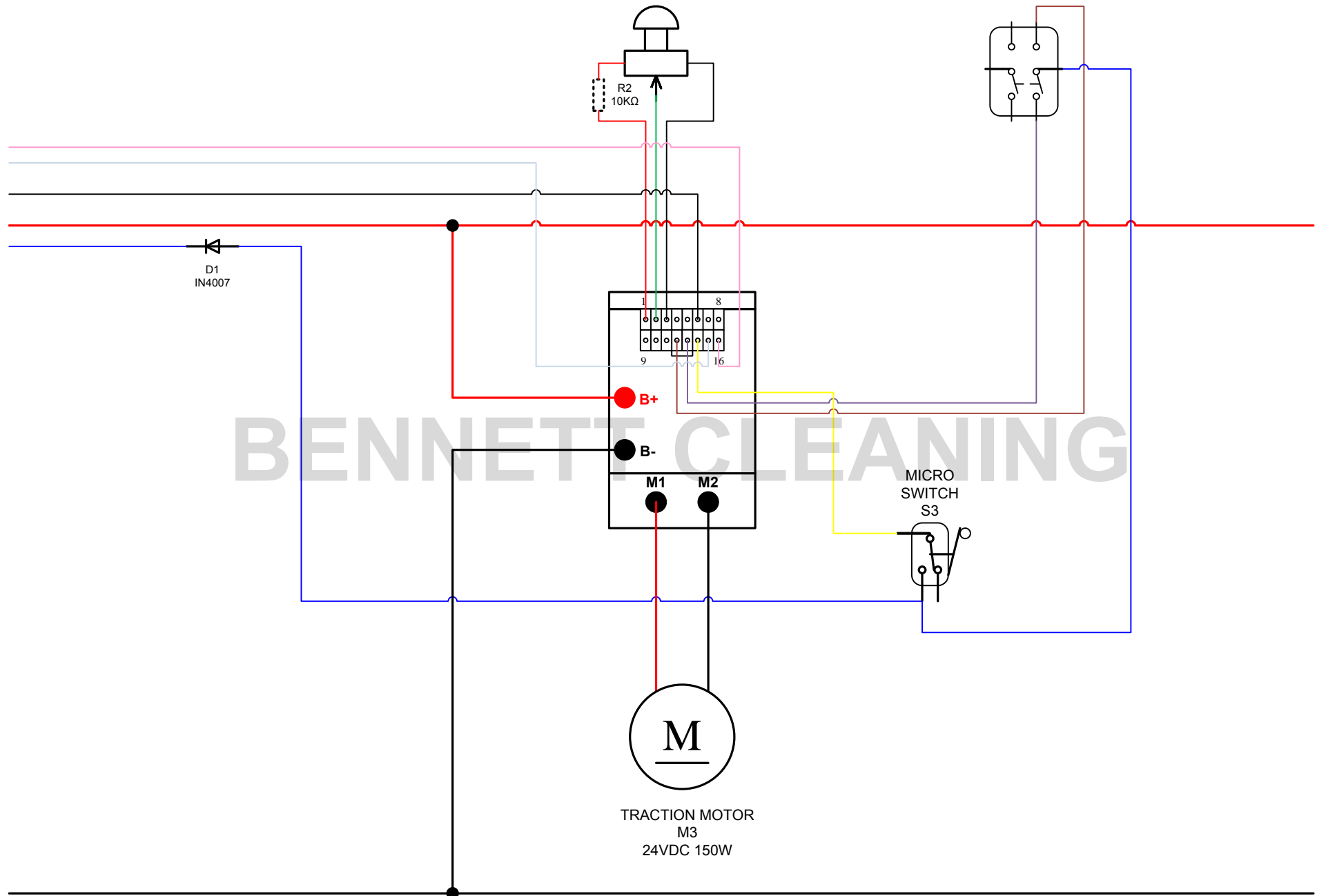
Electrical Schematic—C510B



Electrical Schematic—C510BT&660BT



Electrical Schematic—C510BT&660BT



BENNETT'S CLEANING

