



14HP CONCRETE CUTTER

ITEM # 61069



OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL. KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATION, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL, OR THE MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO SERIAL NUMBER

FOR QUESTIONS, PLEASE CALL CUSTOMER SERVICE: 909.628.4900

SAFETY INFORMATION

WARNING

Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in injury and/or property damage. Save all warnings and instructions for future reference.

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

- Prohibit the surface rolling machines for concrete, asphalt, wear-resistant epoxy resin or ground outside uses.
- Prohibit improper training of personnel to operate the equipment, the operation of the equipment and personnel must be familiar with the associated potential risks and dangers
- Prohibit touching engine or silencers, when the machine was operating, or has just been switched off, these sites fever, may cause combustion.
- And the prohibition did not recommend the insert, annex for the device. Could damage equipment or cause injury to the operator.
- Prohibit operation without shields machines. And the skin was exposed pulley lead to serious injury hazards.
- Prohibit left when the machine was operating.
- Prohibited in indoor or in a confined region. Unless EXHAUST FAN or exhaust pipe through the provision of adequate ventilation, engine Emission of toxic gases contains carbon monoxide, which would cause shock exposure and possible death.
- Must keep hands and feet and loose clothing away from the equipment's moving parts.
- In the operation of equipment must wear protective work clothing, such as: goggles or safety glasses to protect against flying glasses of injury.
- Must use milling machine, the operator is familiar with the confirmation security measures and operating skills.
- We must always close the fuel valve engine when milling machine is not working.
- Must be stored in a clean and dry will not be close to the children.

When not in use, it is necessary to preserve equipment.

- Must be reasonable in accordance with the operating procedures of the safety devices milling machine, not to modify or damage to safety devices.

SAFETY INFORMATION

Safety while using Internal Combustion Engines

There are dangers while operating or refueling the internal combustion engine. Serious damage may be led if the safety regulations described as follows are not obeyed.

SAFETY LABELS

Cutting machine used international generic icon labels, as follows:

Label	Meaning
	<p>Warning! To prevent hearing loss, in the operation with good hearing protectors.</p>
	<p>Harm! The engine of carbon monoxide released only in a well-ventilated the operation. Reading a manual, sparks or flame of burning. Increase fuel engines to be shut down.</p>
	<p>Gasoline fuels.</p>
	<p>Attention! In the operation of the machine, read and understand the manuals provided by the operator. Otherwise, I will hurt or harm others.</p>
	<p>Turn the engine off before refueling.</p>
	<p>Warning! HOT surface.</p>
	<p>Do not put hands into the rotating cutter blades.</p>
	<p>When cutting, the machine can not have road blocks and other former obstacles</p>

OPERATION

Check before starting

1. The oil level check

Put dipstick into the oil port, do not rotate, take out to check oil level, if the engine oil level is low add oil to the recommended upper limit at the dipstick.

2. Air Filter

Check the air filter element, ensure it is clean and in good condition. If necessary, clean or replace components.

3. Fuel

Recommended use of gasoline engines. Prohibit the use of oil / gasoline mixture or dirty gasoline; avoid dirt, dust or water to get the fuel tank. Caution: prohibit the use of gasoline alternatives; they are harmful effects of fuel system components.

Cutting machine operator

1. Start the engine, load 3-5 minutes, then transferred to the appropriate location of the throttle.
2. Rotate the hand wheel to slow down the blade to the desired depth of cut (cutting machine in this model the depth range), rotary drive up stopper, the cutting depth lock. Slowly push the machine for cutting.

Fitting the blade

- Set the machine in the high position
- Swift off (A); disconnect the water pipe from the blade guard.
- Lift up guard (B) (FIG. 1)

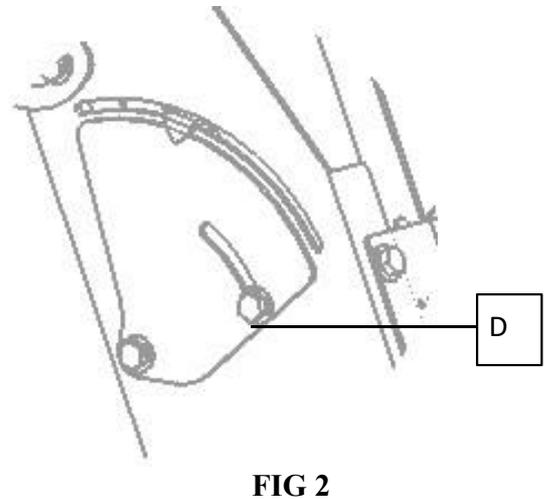
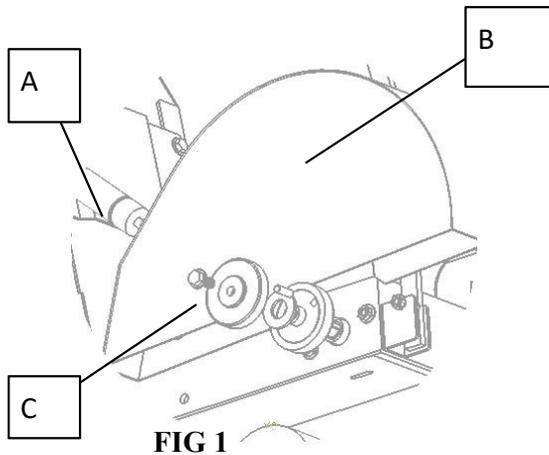
Take care about the direction of rotation which is shown by an arrow on one of the faces (direction of rotation on the right side of the guard) Make sure the contact faces of flanges (B and C) of blade and the axle are clean.

- Firmly lock screw using the spanner supplied with the machine whilst immobilizing the blade by hand. (C)
- Replace the protection guard (B).
- Close the guard water tap. (A)
- Reconnect the water pipe.

Replace all protective covers for your safety and that of other persons. Note: how to adjust the 'zero' according to the diameter of blade:

OPERATION

- The blade must be closed to the floor.
- Loosen the screw (D) (FIG 2)
- Line up the 'zero' with the pointer, then tight the screw.



Starting Up

- Danger: risk of injury.
- Always pay extreme care and attention to the preparation of the machine before starting up.
- Remove all adjustment tools and wrenches from floor and machine.
- Always keep blade guard in place.
- Fill the tank with water, or connect with the water network.
- Mark the floor by drawing a line in the place to be cut.
- Fold down the front guide and position the machine so that the guide and the blade line up with the mark.

Engine:

- Starting the engine: refer to the instructions in the manufacturer's service manual.
 - a) Open the water inlet tap.
 - b) Increase the engine speed to maximum.
 - c) Lower the blade to the desired depth indicated on the side scale on the ratchet placed on the side. We recommend a slow descent to avoid stalling the engine.

Note: ensure that the water supply is abundant, when cutting wet.

Stopping the machine

- a) Low the black wheel and turn the wheel to release the blade from the groove.
- b) Turn off the water supply
- c) Allow the engine to turn at low speed

Stop the engine (consult the engine maintenance manual)

Maintenance

'Engine Maintenance': refer to the engine maintenance booklet.

- a) After use, clean the machine.
- b) Lubrication: apply a moderate amount of bearing lubricant to the nipples in the depth adjustment chassis (depending on the frequency of use)
- c) The spindle bearings must be greased after 8 hours of use, with a grease gun by pumping three to five times the grease into the greaser of the bearings.
- d) Every 40 hours grease: depth control adjustment screw.

'Air Filter'

- a) Read engine owners manual for maintenance intervals. For extremely dusty conditions you may have to clean the air filter element 2 to 3 times a day.
 - b) Replace any damaged filters or gaskets.
- Store in a safe place out of reach of children
 - Remove all adjustment tools and wrenches.

Store diamond tool in a safe place so it cannot be bent or damaged.

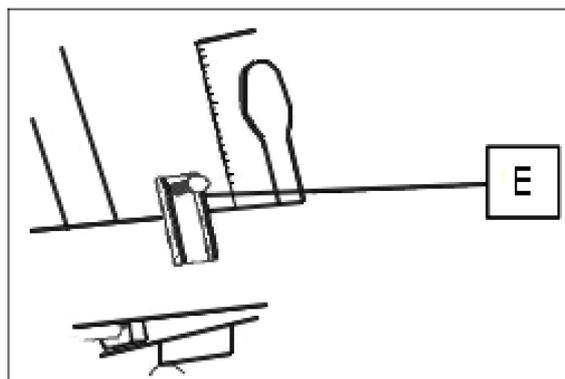
Motor Belt Tension

After several hours of use it may be necessary to adjust the tension of the belts (moderately). To do these proceed as follows:

- a) Release the screws fixing the motor to the chassis.
- b) Turn the tensioning screw (E) at the front of the machine one quarter turn; this screw pushes the motor backwards. (FIG. 3)
- c) At normal tension, counter lock the nut of the screw.
- d) Relock the motor fixing screws.

Note: never set belts beyond original tension.

FIG 3



Important Recommendations

- a) Periodically tighten all nuts and bolts, particularly after the first few hours of operation.
- b) Check the tension of the belt, tighten it as instructed
- c) When storing the machine, we recommend removing the blade and storing it carefully
- d) Check that the blade is properly sprayed by inspecting the holes in the fork regularly
- e) Tighten the blade firmly
- f) Make sure the contact faces of flanges, blade and axle are clean. The manufacturer declines all responsibility for loss or damage resulting from misuse or any modification, alteration or powering that does not conform to the manufacturer's original specifications.

Cutting Machine Caution:

1. Start the engine before the switch to open flame, go to the fuel valve open (ON) position, place the throttle closed (Close) position (Note: If the state of the engine as heat or high temperature, the engine starts to throttle open). After the engine starts, slowly move the throttle open (OPEN) position.
2. Before you start the engine, cutting blade should be removed from the ground, after the engine runs, adjust lower in the slowly toward the cutting depth, then lock the cutting depth. Avoid rapid downward adjustment cutting depth
3. the depth of each cut should be determined according to the actual cutting conditions on the ground, the different hardness of the ground effect for this model is also very important, the higher the hardness of the depth of a cut should be smaller, while the road speed of the machine should slow down, Order to be conducive to the efficient work of cutting machine
4. if cutting depth too deep, the engine emits unusual sounds, machinery easily to cause injury, the operator has a security threat, then raise the blade should be timely to re-adjust the cutting depth
5. Once cutting blade does not cut capacity should be worn out replace them with new cutting discs, continue using the old blade will damage the blade shaft and other components, severe fracture, cutting blade will break
6. After each use, clean the cutting machine in a timely manner, in accordance with the maintenance and maintenance methods, please do not use fatigue
7. prohibited people (two and above) operating the same cutting machine, the machine work in order to avoid confusion and unnecessary harm

Product Parameters

Model	61069
Engine	Loncin G420 14HP with CARB
Cutting Dept (in)	7
Blade Diameter (in)	12-20
Water Tank(L/us gal)	25/6.6
Rotating Speed(rpm)	3600
Blade Guard Type	Bolted
Depth Control	Handle wheel
Movement Type	Walk behind
Overall Dimension (in)	48 × 24 × 39
Shipping Size (in)	37 × 24× 43
Operating Weight (lb)	247
Shipping Weight (lb)	264

Maintenance of the Periodic Table

The following figure shows the basic cutting machine and engine maintenance method:

Engine maintenance information please refer to engine manual.

MAINTENANCE

CONCEPT ITEM	BEFORE START	AFTER THE FIRST 20 HOUR	EVERY 2 WEEK	EVERY MONTH	EVERY THREE MONTH
Check the fuel level	•				
Check the engine oil	•				
Check the fuel pipe	•				
Check the air filter	•				
Check the external fastening screw	•				
Clean air filter			•		
Grease the cam follower			•		
Replace engine oil		•		•	
Check the drive belt				•	
Clean cooling system				•	
Check the spark plug				•	
Clean sediment cup				•	
Check and adjust valve clearance					•

Troubleshooting

Problems	How to solve
Cutting machine is not working at full speed	<ol style="list-style-type: none"> 1. Removal of engine cylinder and cylinder head coke 2. Engine speed is low, adjust the speed 3. Clean or replace air filter 4. Check both sides of the blade shaft bearings for wear, damage, or grease (oil) less than 5. In the cold season, warm the engine idle for 3-4 minutes Check belts for wear, damage, or not enough tension
The engine is running but with poor result	<ol style="list-style-type: none"> 1. Check the cutting blades wear 2. Check the tension of belt
The blade stop running when cutting	<ol style="list-style-type: none"> 1. Check the tension of belt 2. Gasoline is not enough, the engine shut down 3. Cutting too fast or too slow

Handling and Transport

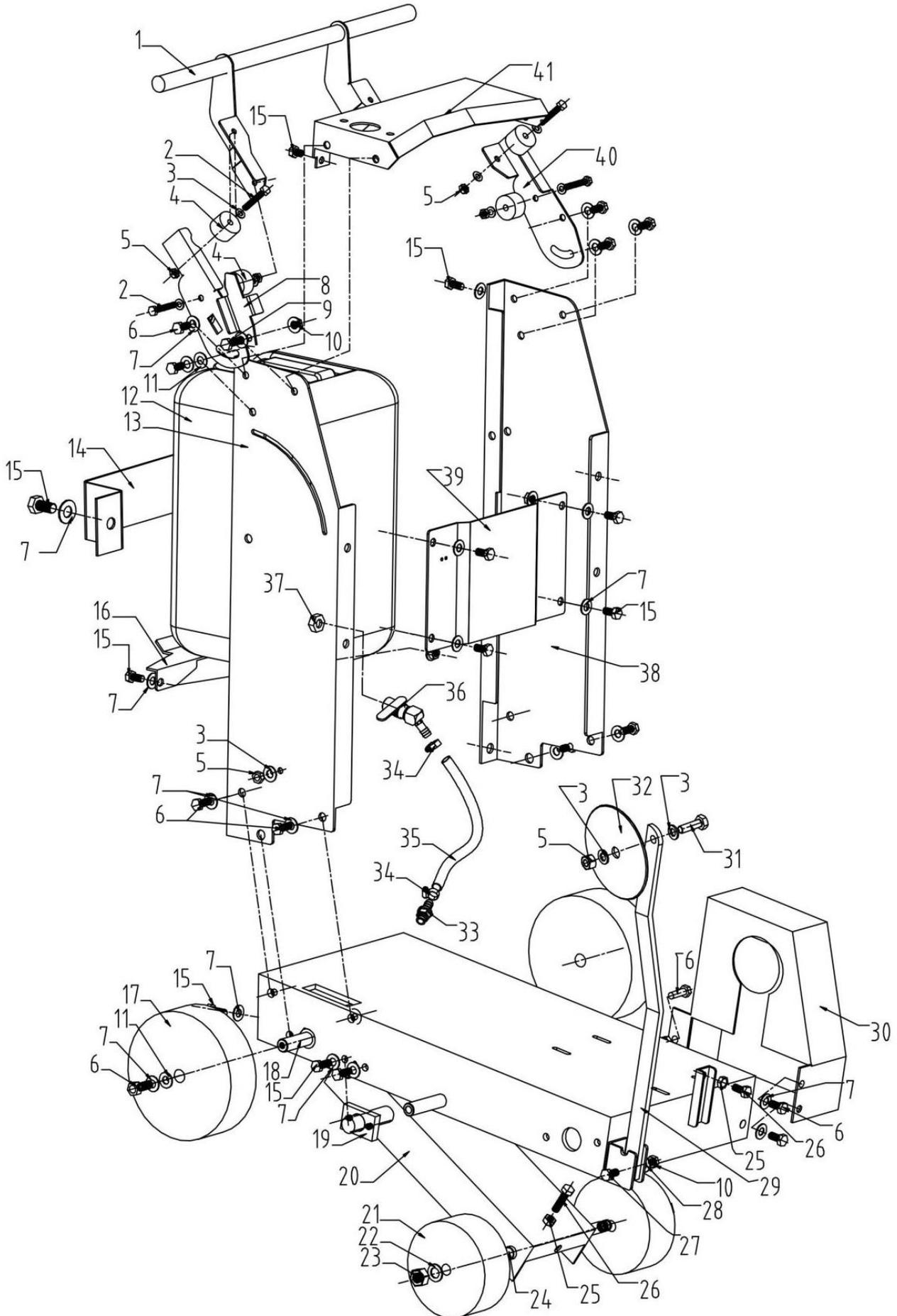
- a) Switch off the disk prior to moving the machine on job site
- b) Remove the disk prior to hoisting, loading, unloading and transporting the machine on job site.
- c) Height of the handle-bar adjustable by pivoting
- d) To position the floor saw on the site, simply push it. It will move easily on its four wheels without starting the engine.
- e) For transporting by vehicle or by any kind of lifting gear, there is a factory-fitted hoisting point on the machine.

STORAGE

If the milling machine storage more than 30 days:

1. Replace the engine oil.
2. Drain the fuel from the engine.
3. Remove the spark plugs, the 1 / 2 oz (15ml) of SAE30 engine oil poured into the cylinder. Spark plugs installed, turn the engine to make the oil spread. See engine manual.
4. Clear cylinder, cylinder head heat sink, flywheel cover, rotating screen and muffler area of dust.
5. To save space, the handle into its repository.
6. Milling machine and engine cover, stored dry and clean place.

Frame Assembly



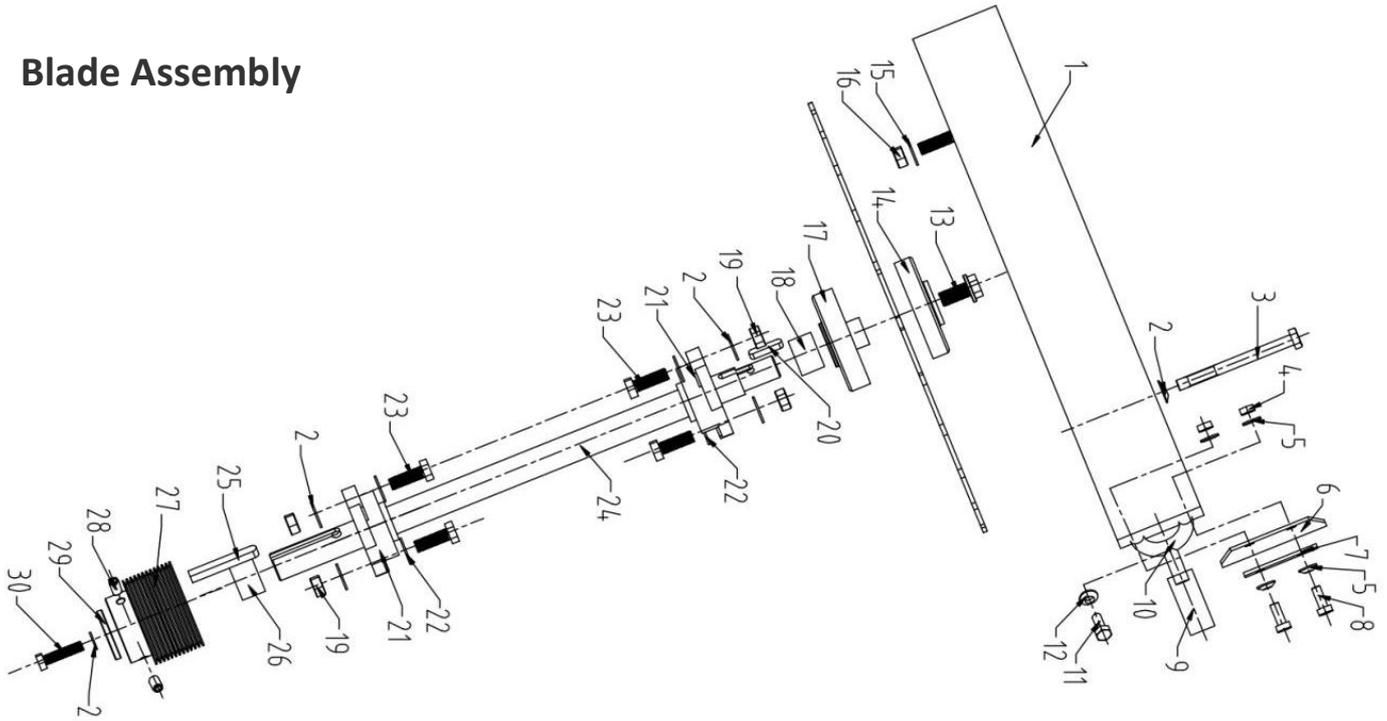
PARTS INFORMATION

FRAME PARTS LIST

ITEM	PART NO.	QTY	DESCRIPTION
1	D400-18-000	1	Handle
2	20101-0016	4	Hex screw M8X45
3	20103-0005	12	Φ8 dish mat
4	D400-18-007	4	Rubber pad 1
5	20102-0029	6	Nut M8
6	20101-0023	8	Hex screw M10X25
7	20105-0002	35	φ10 spring pad
8	D400-13	1	Limiter
9	20101-0025	1	Hex screw M10X35
10	20102-0030	2	Nut M10
11	20103-0010	4	Φ10 Gland
12	21000-0001	1	Water tank
13	D400-05-000	1	Right side of the blard
14	D400-04	1	Water tank holder
15	20101-0022	17	Hex screw M10X20
16	D400-15	1	Block tank
17	20300-0003	2	Rear wheel
18	D400-04	2	Rear axle
19	D400-03	2	Clip
20	D400-02	1	Little bottom
21	20300-0002	2	Front wheel
22	20103-0013	2	φ16 washer
23	20102-0033	2	Nut M16
24	D400-02-004	1	Front axle
25	20102-0004	3	Nut M10
26	20101-0029	2	Hex screw M10X60
27	20101-0024	1	Hex screw M10X30
28	20103-0008	4	Φ10 dish mat
29	D400-23	1	Index rod
30	D400-22	1	Belt cover
31	20101-0012	1	Hex screw M8X25
32	D400-24	1	Road guide disc
33	20800-0005	1	Water pipe switch
34	20800-0006	2	Hose clamp
35	20800-0007	1	Water pipe
36	20800-0008	1	Water valve
37	20800-0009	1	Copper nut for water valve
38	D400-06-000	1	Left panel
39	D400-14-000	1	Panel
40	D400-18-005/006	2	The following side
41	D400-12	1	Operating panel

PARTS INFORMATION

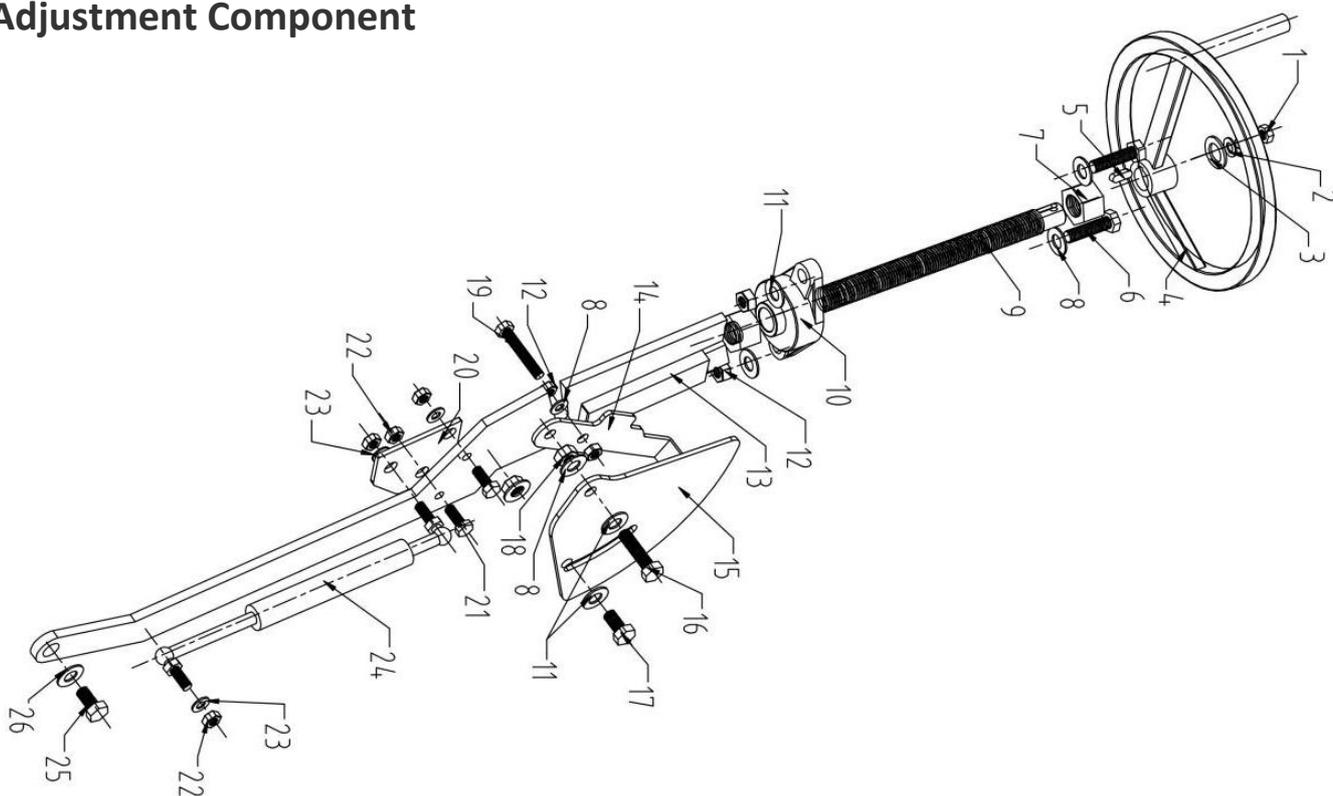
Blade Assembly



ITEM	PART NO.	QTY	DESCRIPTION
1	D400-21	1	Blade cover
2	20105-0002	6	Φ10 dish mat
3	20101-0035	1	Hex screw M10X110
4	20102-0028	2	Nut M6
5	20103-0004	4	Φ6 Gland
6	D400-21-006	1	Rubber fender
7	D400-21-007	1	Tabletting
8	20101-0003	1	Hex screw M6X20
9	20800-0004	1	Water pipe switch
10	D400-21-004-00	1	Shower pipe
11	20101-0011	1	Hex screw M8X20
12	20105-0001	1	Φ8 dish mat
13	20101-0069	1	
14	D400-20-005	1	Blade pressure plate(up)
15	20103-0010	1	Gland(Φ10xΦ28x3)
16	20102-0030	1	Nut M10
17	D400-20-004	1	Blade pressure plate(down)
18	D400-20-008	1	Put circle 1
19	20102-0004	4	Nut M10
20	20110-0004	1	Blade pressure plate key6x6x12
21	20402-0012	2	Blade shaft bearings
22	20103-0008	4	Φ10 dish mat
23	20101-0025	4	Hex screw M10X35
24	D400-20-001	1	Blade shaft
25	20110-0013	1	Multi-wedge wheel key blade shaft8x7x55
26	D400-20-008	1	Put ring 2
27	D400-20-002	1	Multi-wedge blade wheel shaft
28	20101-0093	2	Hex screw M8x12
29	20103-0020	1	Φ10 Gland
30	20101-0023	1	Hex screw M10x25

PARTS INFORMATION

Adjustment Component



ITEM	PART NO.	QTY	DESCRIPTION
1	20101-0011	1	Hex screw M8X20
2	20104-0004	1	φ8 dish mat
3	20103-0007	1	φ8 Gland
4	20200-0003	1	Adjustment dial
5	20110-0005	1	key 6x6x20
6	20101-0024	2	Hex screw M10X30
7	D400-09-003	2	Nut M20
8	20103-0008	3	φ10 dish mat
9	D400-19	1	screw
10	20402-0001	1	universal bearing
11	20105-0002	4	Φ10 dish mat
12	20102-0004	4	Nut M10
13	D400-09-002	1	Drawing board
14	D400-08	1	Scale pointer
15	D400-007	1	Dial
16	20101-0024	1	Hex screw M10X30
17	20101-0022	1	Hex screw M10X20
18	20102-0030	1	Nut M10
19	20101-0128	1	Hex socket screw M10x35
20	D400-10	1	Fixed plate
21	20101-0012	2	Hex screw M8X25
22	20102-0029	3	Nut M8
23	20103-0005	6	Φ8 dish mat
24	20600-0001	1	Gas spring
25	20101-0037	1	Hex screw M12X20
26	20105-0003	1	φ12 dish mat

DISCLAIMER

PLEASE READ THE FOLLOWING CAREFULLY

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Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

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