GASOLINE JACK HAMMER
ITEM:61128

OWNER'S MANUAL AND SAFETY INSTRUCTIONS

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

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: 909.628.0880 MON-FRI 9AM TO 3PM PST

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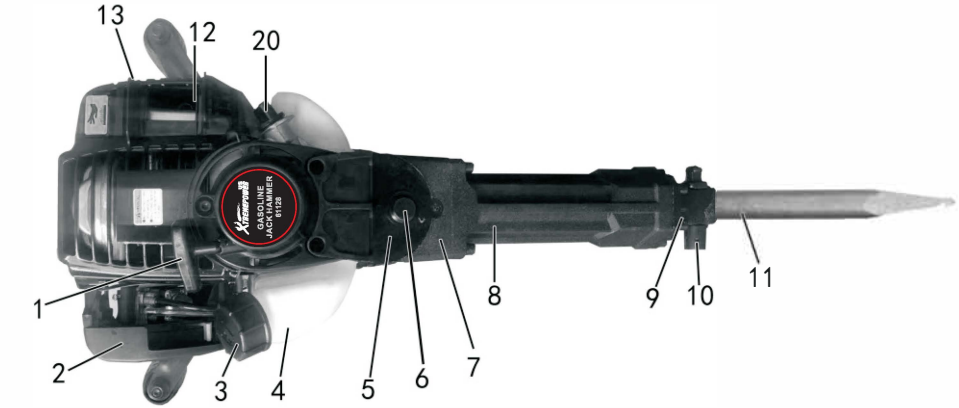
User Manual

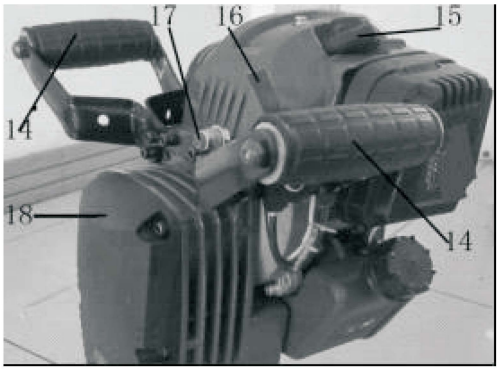
This gasoline jack hammer lightweight with the lowest displacement of small construction machinery. It can crush, tamp, rotate and compact with multi_functional hand-held tools. It surpasses conventional design and brings significant and economic benefits to the user. Reasonable maintenance measures can bring this product work efficiency and longer life. For your safety, please follow the instructions on the safe operation of the rules of operation and technical maintenance, failure to follow the instructions in this manual may result in injury and/or property damage or damage to the machine.

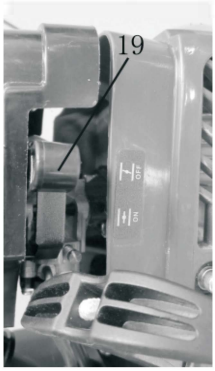
Directory

PARTS INFORMATION

No.	Parts Name	No.	Parts Name	No.	Parts Name
1	Starter	2	Air Filter	3	Tank Cap
4	Oil Tank	5	Oil Box Cover	6	Grease Plug
7	Reduction Gearbox	8	Hammer Case	9	Drill Seat
10	Drill Lock	11	Drill	12	Muffler
13	Protect Cover	14	Handle Bar	15	Spark Plug
16	Oiler Cover	17	Flameout Button	18	Gearbox Cover
19	Ventilation Door	20	Oil Port		





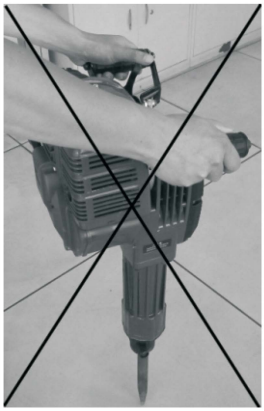


II Instruction of safe operation

1. Operator must wear slip-resistant safety shoes. Appropriate clothing. Wear goggles and helmet, wear earplugs for a long time operation.
2. Balance body when you operation the machine. Operating the machine in a right position.
3. Prohibit smoking when you operate the machine.
4. When lifting machine, the first control you need dial to reach the minimum scale, let the machine to slow down.
5. Keep bystanders away from the work area avoid injury. The process of using machine may lead to gravel flying to idler.

6. Select medium-speed gasoline hammer to run for the best. Control dial to between 3 to 4 in scale.
7. In the use of operation, the operator is not equal to the greater pressure crushing, tamping, compacting faster, try to use the weight of the machine itself, the force should be reasonable in order to achieve high efficiency and easy operation results.
8. Gasoline hammer for crushing, tamping, compacting work, the work can not be used to pry the stone.
9. Maintain the handles dry, clean, no oil or fuel mixture.
10. Stop the operation midway; and turn off the engine.
11. Every time check normal fastening screws of the connector before using. If loose, tighten the screws.
12. Use two-stroke engine oil for fuel.
13. Gasoline is highly flammable, only refuel in a well ventilated environment. When you add oil, please stop gasoline engine.
14. Do not overfill the fuel. Do not leave the fuel filler in neck part of machine. If fuel overflows or is spilled, clean the spilled fuel and start the machine away from the spill location.
15. After refueling, tighten the oil lid. Check frequently whether the fuel tank is damaged to leak, if found to be damaged, replace immediately.
16. Reserve oil in storage areas. Remove all the root causes of fire or cause sparks.
17. In closed areas, such as tunnels, trenches and deep groove in the work environment when using gasoline hammer to ensure sufficient fresh air, exhaust gas containing carbon monoxide dangers, should bring electric fan for air flow.
18. Forbid quickly accelerating or braking, so as not to damage the machine.
19. Avoid the impact of fragmentation work against the machine in the context of high speed operation.
20. Empty the fuel tank before transporting the machine.
21. Prohibit substandard maintenance staff dismount gasoline hammer, to avoid structural damage to parts, resulting in shortened life of gasoline hammer and accidents.

Pic.1 Right



Pic.2 Wrong

III Main use and feature

Use

1 It can use on building construction, road building project in the broken.

2 Break cornerstone for the railway road and tamp sleepers work.

3 Power embedded in the telecommunications cables broken ditching work

4 Cold water and ice breaking region, the frozen road digging shovel to clear cutting of destroying other destroying other strong areas.

Features

1 It is the world's lightest weight, lowest displacement engine type gasoline hammer handheld.

2 A perfect body and "V" linear operation, minimizing the hands of vibration, has significant control of convenience and comfortable, the operator can shovel digging a 360 degree rotation.

3 It can regulate the number of impact energy and impact, apply for a variety of materials suitable for construction.

4 Applications: Our machine is suit in many kinds of situations, such as crashing project in road-building, electric power, telecom, and cable, ditch these kinds of crashing work.

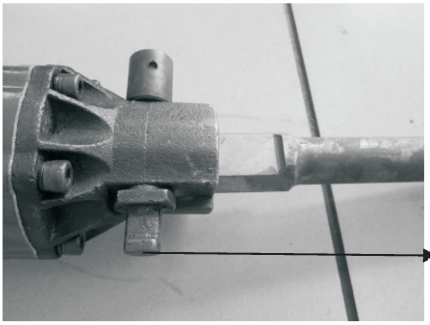
Advantage: If you use our machine, then you can ignore the trouble of diesel engine and pressing machine, trucking-lorry this kind of heavy equipment, which will not limited by the pipe line, electric line, cable no matter how high and how far, we can work situation.

IV Prepared work before using

Installation

1. Lubricating the drill.(Pic.3)

2. Pull out the drill lock, insert the drill into the drill seat then make sure locked up the drill.



Pic.3

1. Engine oil level

CAUTION!

Running the engine with insufficient oil can cause serious engine damage. Be sure to check the engine on a level surface with the engine stopped.

a. Place the engine with the fuel tank side downward and horizontally on a level surface.

b. Remove the oil filer cap and check the oil level: it should reach the top of the oil filler neck.

c. If the level is low,fill to the top of the oil filler neck with the recommended oil.

Every 10 hours, check the engine oil level and replenish oil up to the top of the filler neck if the engine is operated for more than 10 hours continuously. Use a high detergent, premium quality motor oil certified to meet or exceed U.S. automobile manufacture's requirement for service classification SG. SF. Motor oils classified SG, SF will show this designation on the container. SAE 10W30 is recommended for general. all temperature use. **CAUTION!**

Not using detergent oil or 2-stroke engine oil could shorten the engine's life.

2.Air cleaner

CAUTION!

Never run the engine without the air cleaner. Rapid engine wear will result. Check cleaner for dirt or obstruction of element.

3.Fuel

Use automotive gasoline (unleaded or lowleaded is preferred to minimize combustion chamber deposits).

Never use an oil/gasoline mixture or dirty gasoline.Avoid getting dirt, dust or water in the fuel tank .

WARNING!

- **Gasoline is extremely flammable and is explosive under certain conditions.**
- **Refuel in a well-ventilated area with the engine stopped. Don't smoke or allow flames or sparks in the area where the engine is refueled or where the engine is stored.**
- **Don't overfill the tank (there should be no fuel in the filler neck). After refueling, make sure the tank cap is closed properly and securely.**
- **Be careful not to spill fuel when refueling. Spilled fuel or fuel vapor may ignite. If any fuel is spilled, make sure the area is dry before starting the engine.**
- **Avoid repeated or prolonged contact with skin or breathing of vapor.**

Fuel tank capacity:0.65 L

GASOLINE CONTAININGALCOHOL

If you decide to use a gasoline containing alcohol (gasohol), be sure it's octane rating is high. There two types of "gasohol", one containing methanol, and the other not containing methanol. Don't use gasoline containing methanol (methyl or wood alcohol) that does not also contain cosolvents and corrosion inhibitors for methanol. Never use gasoline containing more than 5% methanol, even if it has cosolvents and corrosion inhibitors.

CAUTION!

⌘ **Fuel system damage or engine performance problems resulting from the use of fuels that contain alcohol is not covered under the**

⌘ **warranty. We can't endorse the use of fuels containing methanol since evidence of their suitability is as yet incomplete.**

⌘ **Before buying fuel from an unfamiliar station, try to fine out if the fuel contains alcohol, if it does, confirm the type and percentage of alcohol used. If you notice any undesirable operating symptoms while using a gasoline that contains alcohol, or one that you think**

contains alcohol, switch to a gasoline that you know does not contain alcohol.

4. Retightening bolts and nuts Check for loose bolts and nuts. Tighten the bolts and nuts properly and securely, if necessary.

V Start

1. Before first starting of the new machine, repeat press the transparent fuel Bubble (See Pic.4) to fully fill the Carburetor with fuel.

2.Turn the engine switch to ON position (on the equipment side).

3. Move the choke lever to the "OFF" position (See Pic.5)

4. Hold the operation handle with one of your hands and quickly pull the pulling handle for about 50cm with the other hand. Do not let the pulling handle go back freely in your repeat pulling, but hold it and put it down with its resilience to protect the starter.

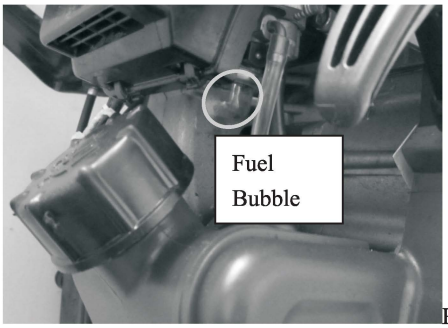
5. Open the air vent completely when the gasoline engine is started.

CAUTION!

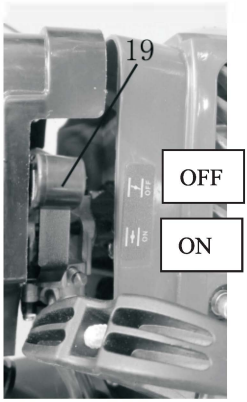
Don' t use the choke if the engine is warm or the air temperature is high.

CAUTION!

Don't allow the starter grip briskly. If not pulled briskly, sparks may fail to jump across the spark plug electrodes, resulting in failure to start the engine.



Pic4



Pic.5

VI Run

1. After gasoline engine start, it should be low speed for 2 to 3 minutes, warm-up operation for the machine.

2. When the gasoline engine warm enough, according to the required impact energy to pull appropriate regulatory position.

Note: ① the new gasoline hammer use of the first 24 hours, the workload should be in low-speed in order to extent the service life.

②Just start poor lubrication of gasoline, do not accelerate quickly.

3. Select medium-speed gasoline engine run for the best.

4. Prohibit use gasoline hammer under the non-breaking with high speed operation.

VII Stopping the machine

1. Pull scale position 0, idle running for 3-5 minutes.
2. Press the red button to stop, stop switch(see Pic.6)

Pic.6

VIII Technical maintenance

1 Air Filter

Check air filter regularly. Dust block on the cover of air filter will reduce engine power, cause cylinder short life. If the filter is very dirty, bur a mild detergent with warm water, wring dry, after cleaning the filter should drop a few of oil on the dry and then install the air filter. Filter should be replaced if damaged, particularly if in the environment of much dust should be shorted maintenance cycle.

2 Fuel filter

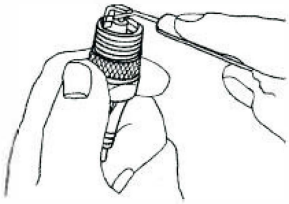
If the fuel filter clogging, there will be speed slow, weak impact of the phenomenon of gasoline hammer. Method: ① Open the tank lid with metal hook take the fuel filter cleaning from the tank ②When cleaning the fuel filter, at same time clean the fuel tank.

3 Carburetor

Fuel tank and carburetor are generally left residual oil. A long time pass the residual oil will come into rubbish. And the rubbish will plug the oil line, causing the engine does not work. Therefore, when the machine is not used more than one week, be sure to completely take the fuel out. Take oil method: Repeat pressing the carburetor fuel bubble to drain the oil.

4 Spark plug

To ensure normal operation of the engine, spark plug gap to be moderate, with a wire brush to remove sediment. Reasonable spark plug gap 0.5-0.7 mm. See Pic.7



Pic.7

5 **Muffler**

Regular maintenance muffler, use a screwdriver to remove rubbish on the body or the rubbish on the coke muffler exhaust.

6 **Centrifugal oil cup**

Open the gear box cover, the eccentric shaft of the centrifugal oil cup is added regularly special butter.

7 **The cylinder heat sink**

Regularly to remove dust, to ensure the cylinder cooling, this gasoline hammer is air-cooler type, if the cylinder dust accumulates on the heat sink will directly affect the cooling effect. Dust is easy to make the engine meet trouble.

IX Failure analysis and troubleshooting methods

Problems analysis and solving

Example1: difficulties in starting engine in cooling state.

Whether the spark plug is moisture.	→Dry the igniter plug
↓	
Whether the spark plug produces electric spark	→replace the igniter plug
↓	
Too much fuel absorbed	→lessen the fuel supply

Example 2: Difficulties in restarting after a sudden stop

Whether fuel runs out or the Carburetor is blocked	→Refill fuel tank or clean the carburetor
↓	
Whether the fuel filter is blocked	→clean the fuel filter
↓	
Too much carbon deposit in igniter plug	→ Remove carbon deposit

Example 3: Reluctance in speeding and weakness in power

Carbon deposit cover the entrance of the cylinder or silencer	→ Remove carbon deposit
↓	

Whether the oil tube and the air vent on the fuel Tank cover is blocked	→Clean
↓	
Blockage in air filter	→ Clean the filter

Example 4: abnormal sound

Carbon deposit found in combustion chamber	→ Remove carbon deposit
↓	
Serious abrasion in active components	→ Replace

Example 5: The machine is working normally, but the efficiency of cracking is very low

The head of the chisel is attrited badly	→replaced or renew

Please contact with Sales Agency of the Crusher if your machine needs further mending.

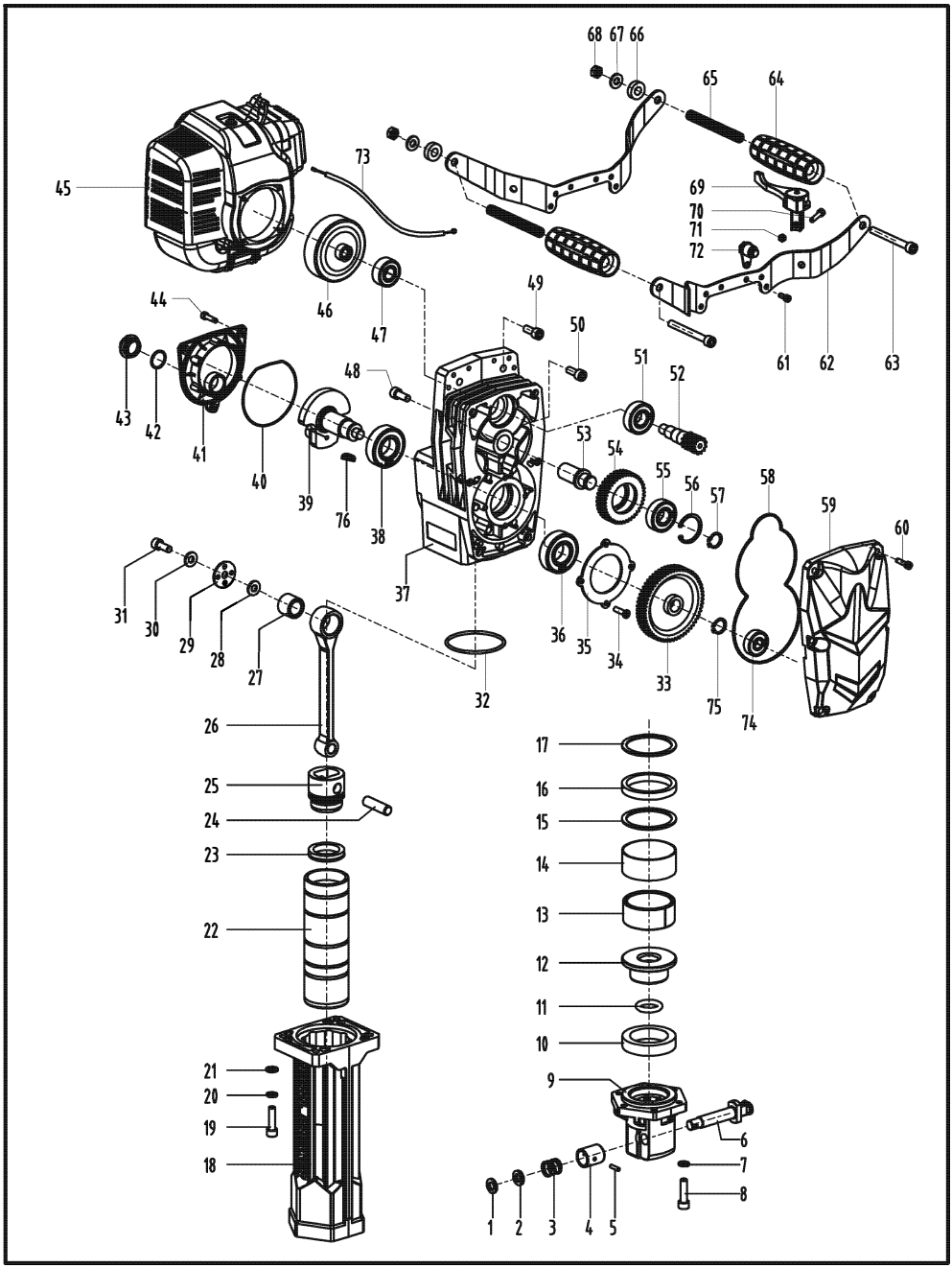
X Product key data

Engineer type	4-stroke,overhead camshaft,1 cylinder
Displacement	37.7CC
Max power and speed	1.0KW/6500r/min
Max torque and speed	1.67N.m/5500r/min
Fuel tank capacity	0.65L
Cooling system	Forced air
Ignition system	Transistor magneto
Fuel consumption rate	≤480g/KW.h (0.94L/h)
Impact frequency	1700~2500BPM
Impact energy	20~55J
Starter system	Hand pull start

XI Maintenance Cycle

The following Data are given common use of the product. Suppose it is in worse working condition, such as thick dust in the air or much longer work hours for Crusher, the maintenance cycle should be shortened correspondingly.		Before woke	After work or every day	After Filling oil	Every Week	Every Month	Broken Down	If necessary
The whole machine	outlook check (state, stabilities of screws)	√		√				
	Cleaning		√					
Control handle/stop button	function check	√		√				
Air Filter	Clean				√			√
	Replace						√	
Fuel Filter	Check					√		
	Replace						√	
Petrol Tank/Petrol Tank cover	Clean		√	√				
	Check	√		√				
	Tighten							√
Gear Box/Hammer Box	Clean					√		
	Add oil							√
Lubricating Oil Tank	Check	√						
	Clean					√		
	Fill Oil							√
Chisel	Check Sharpness	√						
	Sharpen or Forge							√
	Replace						√	
Silencer	Check					√		
	Remove carbon deposit							√
Cylinder Cooling Fin	Check					√		
	Clean							√
lignite Plug	Check/Adjust Customize the distance between electrodes					√		
	Replace							√
Screw and Nut	Check	√		√				
	Tighten							√

PARTS LIST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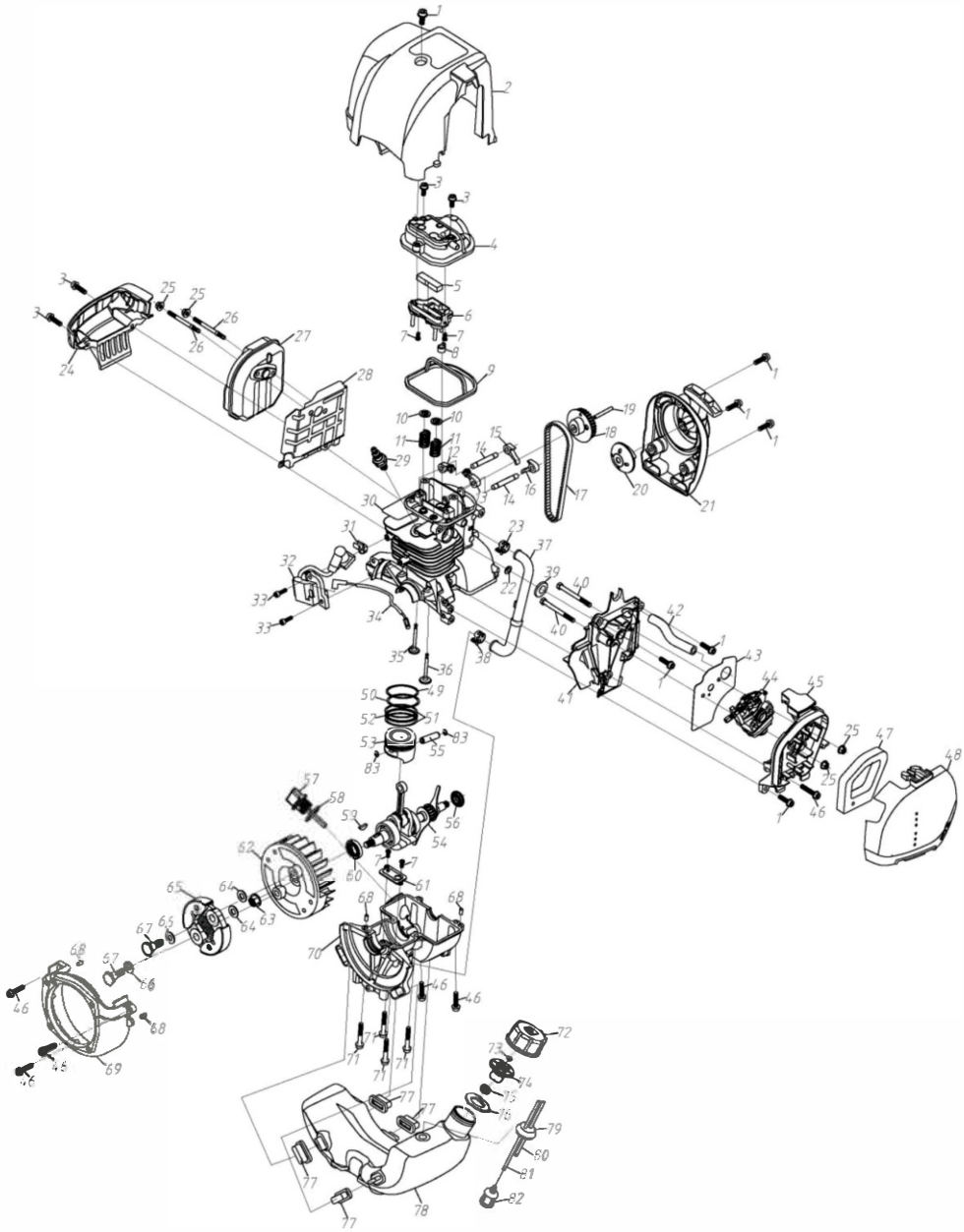
PARTS LIST

No.	Description	QTY	No.	Description	QTY
1	Washer	1	40	Oil bowl seal ring	1
2	Washer	1	41	Bowl	1
3	Spring	1	42	Φ23.5XΦ2.5 Oil hole seal ring	1
4	Lock sleeve	1	43	Oil hole	1
5	4X18pin	1	44	M5X14 head screw	3
6	Lock rod	1	45	Gasoline engine	1
7	$ 8 spring washer	6	46	Passive power transfer disk	1
8	M8X35screw	6	47	62202 bearing	1
9	Iron head	1	48	M8X25screw	1
10	Dampling ring	1	49	M8X20screw	2
11	23.5X5.2 seal ring	1	50	M8X16screw	2
12	Shank sleeve	1	51	6203 bearing	1
13	Mouse	1	52	Small Gear with shaft	1
14	Mouse cover	1	53	Bearing holder	1
15	Mouse washer	1	54	Gear	1
16	Damper	1	55	6203 bearing	1
17	Mouse washer	1	56	Φ40 jumping ring	1
18	Cylinder case	1	57	Φ17 jumping ring	1
19	M8X40screw	4	58	Ring	1
20	Φ8 spring washer	4	59	Top cover	1
21	Φ8 flat washer	4	60	M6X30screw	6
22	Cylinder	1		Φ6spring washer	6
23	Piston ring	1		Φ6flat washer	6
24	12X44piston pin	1	61	M6X25screw	6
25	Piston	1	62	Handle spindle	2
26	Connecting rod	1	63	M8X30 screw	2
27	NK1 8/20 needle bearing	1	64	Rubber handle	2
28	Φ8 flat washer	1	65	12X100spring	2
29	Eccentric shaft cover	1	66	Rubber washer	2
30	Φ8 flat washer	1	67	Φ8flat washer	2
31	M8X25screw	1	68	M8screw	2
32	O ring	1	69	Throttle switch	1
33	Big Gear	1	70	M5X12screw	1
34	M5X16screw	4	71	M5screw	1
35	Bearing pleasure plate	1	72	Flameout switch	1
36	6205bearing	1	73	Power wire	1
37	Gear box	1	74	6201bearing	1
38	6205bearing	1	75	Φ22 shaft card	1
39	Eccentric shaft	1	75	4X16 half round key	2

Engine body



PARTS INFORMATION

No.	Part Name	QTY	No.	Part Name	QTY
1	Screw M5X15	7	43	Gasket	1
2	Cylinder cover	1	44	Carburetor	1
3	Screw M5X12	4	45	Cleaner inside cover	1
4	Cylinder valve cover	1	46	Screw M5X22	6
5	Oil gas separator	1	47	Filter net	1
6	Inside cover	1	48	Air filter cover	1
7	Screw M4X18	4	49	Piston ring	1
8	Rubber cushion	1	50	piston ring	1
9	Rubber cushion	1	51	Oil scraper ring	2
10	Valve spring seat	2	52	Liner ring	1
11	Valve spring	2	53	Piston	1
12	Exhaust valve rocker	1	54	Crankshaft	1
13	Inlet valve rocker	1	55	Piston pin	1
14	Rocker pin	2	56	Oil seal	1
15	Exhaust rocker	1	57	Oil scale	1
16	Inlet rocker	1	58	O-seal ring	1
17	Synchronous belt	1	59	Key 3x5x13	1
18	Cam wheel	1	60	Oil seal	1
19	Camshaft	1	61	Reed vavle	1
20	Start reel	1	62	Magneto rotor comp	1
21	Starter	1	63	Nut M8	1
22	Admitting gasket	1	64	Washer	2
23	Holding-down clip	1	65	Clutch	1
24	Muffler baffle	1	66	Washer	2
25	Nut M5	4	67	Screw pin	2
26	Double-edged bolt	2	68	Pin B4X8	4
27	Muffler	1	69	Mageto cover	1
28	Muffler baffle	1	70	Crankcase	1
29	Spark plug	1	71	Screw M5X32	4
30	Cylinder	1	72	Fuel tank lid	1
31	Fastener	1	73	Air admission valve	1
32	Ignition stator	1	74	Inside cover	1
33	Screw M4X14	2	75	Shell cover	1
34	Stopping wire	1	76	Airproof gasket	1
35	Exhaust valve	1	77	Rubber cushion	4
36	Inlet valve	1	78	Fueltank	1
37	Balancing pressure pipe	1	79	Plug	1
38	Holding-down clip	1	80	Fuel return pipe	1
39	O-seal ring	1	81	Fuel suction pipe	1
40	Screw M5X55	2	82	Filter	1
41	Admitting pipe	1	83	Ring	2
42	Blast pipe	1			

DISCLAIMER

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

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.

Questions, issues or missing parts?

Before returning to your retailer, our customer service team is here to help.

Call Us: 909.628.0880
Email Us: customer@xtremepowerusa.com

Hours of Operation: 9am - 3pm PST Monday - Friday

MADE IN CHINA