

Item	Photo	Specification
97		Trigger Arm
98		Trigger Arm Stepped Bolt
99		Walnut Grip
100		Grip Screw M5x70

Note: All the drawings and spare parts list are for reference only, and the actual parts kind prevail!

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HUBEN GK1 AIR PISTOL HANDLING & INSTRUCTION MANUAL



HUBEN 

THANK YOU FOR CHOOSING HUBEN GK1!
YOU ARE HANDLING A REVOLUTIONARY DESIGNED HAMMERLESS
SEMI-AUTOMATIC, PRE-CHARGE PNEUMATIC AIR PISTOL!

Please read this manual thoroughly before handling or shooting. Use carefully in its operation. Operate the air pistol correctly and safely. Learn and obey the relevant regulations and laws in your location. And be responsible in your use of this air pistol.

WARNING: Not a toy. This air pistol is intended for adult use only. Misuse or careless use may cause serious injury or death.
WARNING: Never point this air pistol at anyone ever at any time.
WARNING: Lead pellets. Do not inhale dust or put pellets in mouth. Wash hands after handling. This product contains lead, a chemical known to public to cause cancer and birth defects (or other reproductive harm).
WARNING: Use only clean and dry compressed air or inert gas in this air pistol. Do not use no Oxygen or other combustible gases, which can cause a fire or explosion that may result in serious injury or death.
WARNING: This air pistol could fire when dropped or jarred, with or without the safety engaged.
WARNING: Working temperature: - 10°C / 14°F to 60°C / 14°F

Before using your new air pistol, check if it is properly charged and obey below basic safety rules:

1. Never attempt to disassemble this air pistol!
2. This air pistol can cause serious injuries and even death, whether it is loaded or not.
3. Never point the air pistol at anyone, or allow anyone pointing an air pistol at you, even if you know it is unloaded.
4. Always carry the air pistol with the safety on "SAFE" and in such way that the direction of the muzzle will be under your control, even if you stumble.
5. Always be sure of your target and what lies behind it before firing your air pistol.
6. Never leave a loaded air pistol unattended.
7. Beware of targets that tend to cause ricochets (water, rocks, metal ... etc).

8. It is recommended that eye & ear protection be worn when charging the cylinder and while shooting.
9. Never leave the air pistol with ammunition in the magazine/barrel.
10. Always use caution when operating this air pistol.

Please read this owner's manual completely. Keep in mind that an air pistol is not a toy. Always carefully follow the safety instructions in this manual and keep this manual for future reference.

PART 1. BASIC COMPONENT INSTRUCTION

BASIC COMPONENTS

(See FIG. 1)



FIG. 1

1. Pressure Tube	2. Fill Hole	3. Trigger	4. Power Adjuster
5. Grip	6. Rear Sight	7. Safety	8. Pressure Gauge
9. Magazine Locker	10. Magazine	11. Barrel	12. Front Sight

PART 2. SPECIFICATION

MODEL	GK1
BARREL	Rifled, 210mm
CALIBER	.22 or .25
VELOCITY	.22 - up to 900fps .25 - up to 720fps
SAFETY	Manual
CYLINDER PRESSURE	Max 35MPa
CYLINDER CAPACITY	85cc
MAGAZINE TYPE	Non-removable, Auto Rotate
SHOT CAPACITY	.22 - 19 shots .25 - 17 shots
POWER	Adjustable, 6 - 45J
POWERPLANT	Pre charged Pneumatic
SCOPEABLE	11mm Dovetail
GRIP	Walnut
FRONT SIGHT	Adjustable for Elevation
REAR SIGHT	Adjustable for Windage
MAX SHOTS PER FILL	.22 - 45 shots .25 - 30 shots
DIMENSION	325x160x50mm
WEIGHT	1.2kg
ACCESSORIES	Fill Probe, Spare Parts Package, Tools, Owner's Manual

Note: Data based on .22 - 1.175g pellet for testing .25 - 2.2g pellet for testing

PART 3. OPERATION

1. MANUAL SAFETY

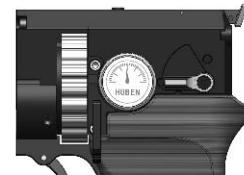


FIG.2

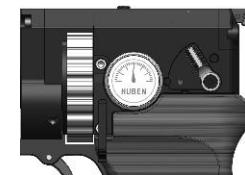


FIG.3

- ❖ Safety can be set to ON/OFF by hand.
(the red dot isn't visible means ON, the red dot is visible means OFF)
- ❖ Push the safety lever to the "SAFE" position. The safety is ON, the trigger is blocked and the air pistol cannot be fired. (See FIG.2)
- ❖ Push the safety lever to the "OFF" position, the air pistol can be fired. (See FIG.3)
- ❖ To avoid accidental discharge, keep the safety ON until you are sighted in on your target and ready to fire.
- ❖ Never point the air pistol at anyone even if it is set to "SAFE" position.

2. FILLING THE AIR PISTOL



FIG.4

- ❖ Attach the fill probe to your charging equipment, which must be equipped with a pressure gauge. Ensure both fill probe and the filler hole are clean from dirt, and then insert the fill probe into the filler hole (See FIG.4).
- ❖ We recommend to remain the pressure of cylinder tube not less than 12MPa.
- ❖ Never exceed the maximum storage pressure of 35MPa.
- ❖ When filling the air pistol, ensure the magazine is unloaded.

- ❖ Be sure that the safety is on “SAFE” when filling the air pistol, to avoid accidental firing.
- ❖ After filling the air pistol, open the bleed valve on the filling equipment, ensure the air in the hose is exhausted out, then remove the fill probe from the filler hole. Then close the bleed valve.
- ❖ The cylinder tube is not removable. DO NOT disassemble the air pistol under any circumstance.
- ❖ It is best to store the air pistol with air in the cylinder tube.

3. POWER ADJUSTMENT



FIG.5

- ❖ The adjustable power should not be set too low for heavy and over-sized pellets, or it will lead to unusual leakage and cocking failure.
- ❖ The power needs to be adjusted from low to high gradually (e.g. 1/4 circle every time)

4. LOADING PELLETS

1. Lift the magazine release lever and the magazine can be revolved freely.
(Carefully lower release lever after loading magazine. Do not allow the lever to slam down)



FIG.6



FIG.7

2. Load pellets

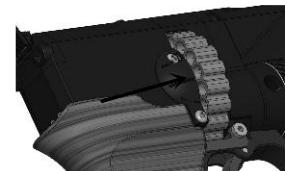


FIG.8

- ❖ With your air pistol pointed down to the ground or downrange in a horizontal orientation, load your pellets and ensure they are set under the surface of the magazine. Rotate the magazine one full rotation after loading pellets to verify a smooth and unobstructed rotation. This process ensures the magazine will rotate when firing.
- ❖ During loading the magazine, undersized pellets might cause the pellet “falls” partly into the barrel, especially when the air pistol is pointed down. If this happens (usually after loading 16 pellets), stop loading and start shooting.
- ❖ Use soft pellets only.

5. FIRING/SHOOTING

- ❖ Always point your air pistol at a SAFE DIRECTION.
- ❖ You and others with you should always wear shooting glasses to protect your eyes.
- ❖ Do not shoot at hard surfaces or at the surface of water. The pellet may bounce off or ricochet and hit someone or something you had not intended to hit.
- ❖ Always choose your target carefully. It is best to shoot at paper bull’s-eye targets which are attached to a safe backstop. A heavy blanket should be hung behind the backstop to prevent ricochet should you miss the backstop.
- ❖ Your air pistol is suitable for both indoor and outdoor use. Please aim your target carefully. THINK about what you will hit if you miss the target.

TROUBLESHOOTING

1. PELLET STUCK:

Performance: unusual leakage (dumping all air out the barrel), cocking reset failure, magazine won’t rotate and the safety can’t be moved to the “SAFE” position. In general, it is because that the magazine gets stuck by something, or the oversized and deformed pellets fill the air path and make it stuck (the pellet is not aligned with the barrel, so the pellets get deformed under the pressure. The deformed pellets stuck the barrel in return).

Solution:

- ❖ Turn the magazine in counter-rotation slightly, until the stuck pellet is aligned with the barrel (judged by observing the visible parts of the magazine both side of the receiver are symmetric).
- ❖ Shoot the air pistol, the stuck pellet will be out as normal shooting.
(Never point the air pistol at anything you don't wish to kill or destroy)

2. UNMATCH POWER AND PELLET:

Performance: unusual leakage (dumping all air out the barrel), sometimes cocking failure and the safety lever can't be moved to the "SAFE" position.

Solution:

- ❖ Disassemble the Receiver Back Cover Plate, take out the Striker Spring and Buffer.
- ❖ Push the Striker to reset, then assemble all parts back.

3. ACCURACY LOWERED:

In general, it is caused by changing another kind of pellet or lead contamination at the muzzle.
It can be solved by using a high accurate pellet or cleaning the barrel.

4. OTHERS:

Please consult local dealer or contact Huben.

SAFETY MEASURES & WARNINGS

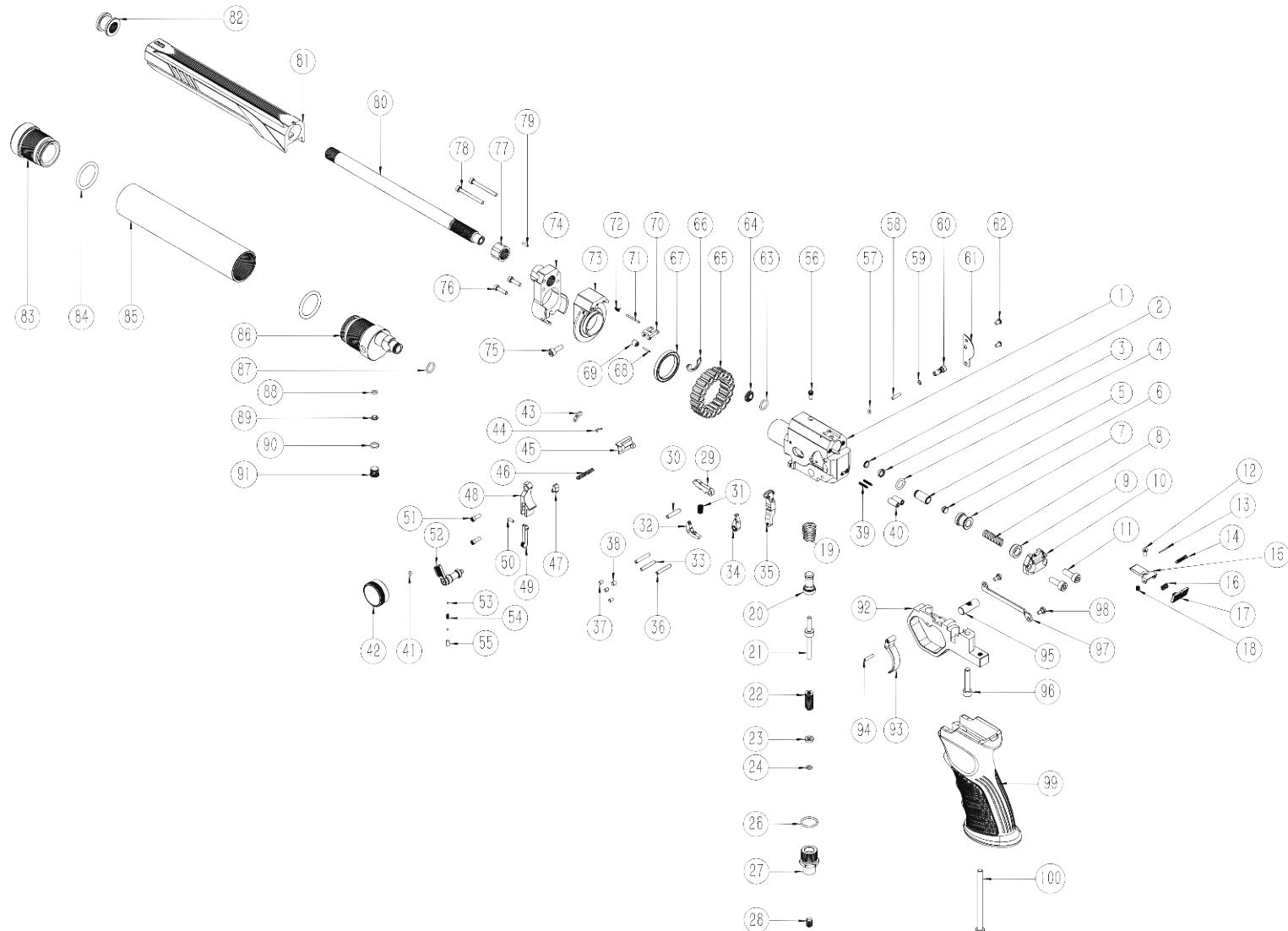
- ❖ This air pistol will shoot if cocked, loaded, safety disengaged and trigger pulled.
- ❖ Air pistols are not toys. Never let young children use an air pistol unsupervised. Adult supervision is strictly required during use. Misuse or careless use may cause serious injury or death.
- ❖ Learn how your air pistol operates and safe air pistol handling procedures before loading and using it.
- ❖ Always use eye & hearing protection and make bystanders use the same. Failure to do so may result in eye injuries and permanent hearing loss.
- ❖ Do not point at anything you do not intend to shoot even though the air pistol is unloaded. Always keep the air pistol pointed in a safe direction.
- ❖ Never pull an air pistol toward you by the muzzle.
- ❖ Always aim at a safe target, taking care that it does not conceal any other object.
- ❖ Before you shoot, consider where the pellet will travel should you miss your intended target,

thus ensuring no damage or harm could result. Be sure of your target before you pull the trigger. Never shoot at sounds.

- ❖ When shooting, always have a safe shooting range, that is, have a safe area for shooting, a safe distance between you and the target, and a safe backstop to trap the pellets and hold the target.
- ❖ Do not shoot at a target, which allows ricochets or deflections. Do not shoot into or at water.
- ❖ Do not shoot at or near power lines or insulators. Be especially careful in wooded areas where power lines may not be as visible.
- ❖ Do not load the air pistol until you are ready to shoot.
- ❖ Always keep your fingers away from the trigger & muzzle during cocking and handling.
- ❖ Do not run or jump when carrying a loaded or cocked air pistol. A loaded or a cocked air pistol should never be carried inside a vehicle, house, camp or public place. Never climb a tree or fence or jump a ditch with a loaded air pistol. In such a case, first unload it and hand the air pistol to a friend or place it on the ground on the other side of the obstacle before crossing yourself.
- ❖ When transporting the air pistol, keep it unloaded and "ON SAFE".
- ❖ Always keep the air pistol "ON SAFE" until you are ready to shoot even if the air pistol is unloaded.
- ❖ Do not put the air pistol away loaded and unattended.
- ❖ Always check to see if the air pistol is "ON SAFE" and unloaded when getting it from another person or from storage.
- ❖ Always keep the air pistol and/or pellets out of the reach of children. Keep the air pistol and pellets in separate places, better if under lock and key.
- ❖ Do not attempt to disassemble or tamper with your air pistol. Use a competent gunsmith. Many air pistols contain powerful springs or high pressure air cylinders which can cause serious injury if released in an uncontrolled manner.
- ❖ Always handle and treat your air pistol as though it were loaded.
- ❖ Improper use or handling of air pistols is not the responsibility of the manufacturer or distributor, under any circumstances. The user is responsible for any harm, which may be caused.
- ❖ Think first, shoot second. Don't rely on any mechanical safety. Half safe is not safe.
- ❖ Be safe, not sorry. Respect other's property.
- ❖ Air pistols should never be used under the influences of alcohol or drugs.

Exploded Drawing

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Item	Photo	Specification
1		Receiver House
2		Metal Seal of Opening Valve
3		Plastic Seal of Opening Valve
4		Opening Valve O-Ring 11.6x1.8 NBR90
5		Opening Valve
6		Striker Plastic Cap Cover
7		Striker
8		Striker Spring 7x31x1
9		Striker Buffer
10		Receiver Back Cover Plate
11		Receiver Back Cover Plate Allen Screw M5x14
12		Rear Sight Base Height Adjust Screw M3x6

Item	Photo	Specification
13		Rear Sight Base Pin 1x15
14		Rear Sight Base Adjust Screw
15		Rear Sight Base
16		Rear Sight Adjust Spring 4.5x8x0.6
17		Rear Sight
18		Rear Sight Base Spring 4x4x0.5
19		Close Valve Spring
20		Plastic Close Valve
21		Close Valve Spring Stem
22		Close Valve Dynamic Wheel Adjust Spring
23		Close Valve Brass Housing Internal to Stem Seal
24		Close Valve Brass Housing Internal Seal Btm 6.4x1.2 NBR90

Item	Photo	Specification
25		Close Valve Brass Housing Internal Seal Top
26		Close Valve Brass Housing O-Ring 17x1.5 NBR90
27		Brass Close Valve Housing
28		Dynamic Power Adjust Screw M6x8
29		Striker Sear
30		Striker Sear Catch Pin Φ3.5x16
31		Sear Spring 5.3x13x0.5
32		Sear Catch
33		Trigger Arm Pin Φ3x17
34		Sear Catch Arm
35		Trigger Arm
36		Sear Catch Arm Pin Φ3x19

Item	Photo	Specification
37		Black Plastic Receiver Pin Cover 3x5.6
38		Black Plastic Receiver Pin Cover 3.5x5.6
39		Trigger Tension Fine Adjust Spring 2.5x11x0.5
40		Trigger Tension Fine Adjust Spring Base M5 x 10
41		Pressure Gauge O-Ring 4x1.5 NBR90
42		Pressure Gauge
43		Magazine Indexing Arm
44		Magazine Indexing Spring
45		Plastic Housing for Magazine Indexing Arm
46		Magazine Release Arm Tension Spring 2.9x30x0.6
47		Magazine Release Pusher
48		Magazine Release Arm Housing

Item	Photo	Specification
49		Magazine Release Arm
50		Magazine Release Arm Pin Φ2x8
51		Magazine Release Assembly Allen Screw M3x8
52		Brass Safety Lever
53		Safety Lever Detent Ball
54		Safety Lever Detent Ball Spring 3x5x0.6
55		Safety Lever Adjust Tension Allen Set Screw M4x6
56		Screw on Top of Receiver M3.5X8
57		Air Mag Index Assist Pin O-Ring 4.5x1.2 NBR90
58		Air Mag Index Assist Pin Φ2.5X11
59		Brass Insert Screw O-Ring 4.5x1 NBR80
60		Brass Insert Screw for Air Assist Magazine

Item	Photo	Specification
61		Magazine Plastic Side Cover
62		Magazine Plastic Side Cover Allen Screw M3x6
63		Breech Seal O-Ring 11.5x1.5 NBR90
64		Plastic Breech to Magazine Seal
65		Magazine (specify -- .177 & .22 are 19 shots / .25 is 17 shots)
66		Magazine Front Cover
67		Bearing of Magazine
68		Magazine Stop Retaining Pin Φ2x10
69		Magazine Stop
70		Magazine Stop Guide (specify -- .177 & .22 & .25)
71		Magazine Stop Guide Spring Pin Φ1.5x15
72		Magazine Stop Guide Spring

Item	Photo	Specification
73		Magazine Base
74		Barrel Housing Base
75		Magazine & Barrel Housing Bases to Receiver Fasten Screw M4 x 12
76		Magazine Base and Barrel Housing Base Fasten Screw M3 x 14
77		Barrel Retain Nut M12x1
78		Barrel Housing to Receiver Allen Screw M3x35
79		Barrel Shroud Retaining Pin Φ2x8
80		Barrel (specify -- .177 & .22 & .25)
81		Barrel Shroud
82		Barrel Shroud End Cap
83		Pressure Tube End Cap
84		Pressure Tube O-Ring 29.5x2 NBR90

Item	Photo	Specification
85		Titanium Pressure Tube
86		Pressure Tube Connector
87		Pressure Tube Connector O-Ring 11.5x1.5 NBR90
88		Fill Stop O-Ring 6.4x1.2
89		Intake Valve
90		Intake Valve Cover O-Ring 9 x 1.2
91		Intake Valve Cover
92		Trigger Guard
93		Trigger
94		Trigger Retaining Pin Φ2.5x12
95		Trigger Guard Locker
96		Trigger Guard Locker Screw M5x25