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FXairguns

MADE IN SWEDEN

INSTRUCTION MANUAL

SINGLE SHOT • REPEATER • SEMI-AUTOMATIC



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1 WARRANTY

All FX Airguns carry a One Year Warranty against faulty workmanship and defective materials. Contact the dealer from which you purchased the gun if it becomes necessary.

If the rifle develops a defect within the warranty period, contact the dealer from whom it was purchased. The guarantee does not cover any damage caused by tampering with the rifle.

This rifle should only be disassembled by factory-authorized repairmen.

2 WARNING!

Never attempt to disassemble this rifle while it is charged !
Failure to obey this instruction could result in personal injury or damage to the gun !

- *Never fire the rifle when it empty of air or when air cylinder is removed!*
- *Never point the rifle at anyone, or allow anyone to point a rifle at you!*
- *Treat every rifle as if it is loaded even if you know it is not loaded!*
- *Always carry the rifle so that the direction of the muzzle is under control, even if you stumble.*
- *Always be sure of your target and what lies behind it before firing your rifle.*
- *Never leave a loaded rifle unattended.*
- *Beware of targets that tend to cause ricochets.*
- *It is recommended that eye protection is worn when charging the cylinder.*
- *Always use caution when operating this rifle.*
- *Learn and obey the laws in your location.*
- *Be responsible in your use of this weapon!*
- *Never fill the rifle with anything else other than regular air!*

3 GENERAL INSTRUCTIONS

- The FX Rifles should be fitted with a scope or alternate optic sights before use.
- Before using your rifle, read and abide by the basic safety rules.
- We recommend the use of our own FX Pellets available in both calibre 4,5 and 5,5.

4 OPERATING INSTRUCTIONS



4.1 CHARGING THE RIFLE

The fill probe is supplied with the rifle and is threaded with a 1/8" thread. Make sure that the thread is the same at the charging source then attach the fill probe at your charging source.

Make sure that the fill probe and filler hole are clear from any dirt. Feel free to use lubricant on the o-rings to increase their life.

Note: Use any lubricants in moderation.

Insert the fill probe into the rifle filler hole located at the end of the air tube, Revolution and Gladiator Pump Action have their filling holes hidden under the front piece of the stock and have to have the cocking mechanism in the rear position to have the filler hole visible.

Close ventilation screw on the charging source.

Charge the rifle to its Maximum level which is 220 bars for our singleshot and repeater rifles and 200 bar on the semi automatic rifles.

Always check the pressure on the charging source, they have in most cases a more reliable gauge and the gauge on the rifle is more of an indicator to see if you need to charge or not.

If a hand pump is used the water trap must be opened at regular Intervals during the pumping cycle.

If you want to uncock the rifle after filling your Revolution and Gladiator Pump Action: Simply squeeze the trigger at the same time as you keep one hand on the cocking bolt/pump action and gently move it to the front position while still keeping the finger squeezing the trigger.

WARNING: Only dry air should be used! Under no circumstances should oxygen or any other gas be used to fill the airtubes! This could result in a serious explosion!

4.2 SAFETY



Push the safety lever to the rear position to engage the safety. To obtain firing position, push the safety lever to its forward position.

Location of safety lever:

Right side: All except Monsoon. (Typhoon and T12 uses the cocking bolt as safety in its rear and down position).

Left Side: Monsoon

Uncocking the rifle/inactivate trigger system:

Pull the cocking lever to its rear position squeeze the trigger at the same time as you keep one hand on the cocking bolt/pump action and gently move it to the front position while still keeping the finger squeezing the trigger.

WARNING: Like all other mechanical devices, safety mechanisms can be negatively affected by wear, abuse, dirt or corrosion. Never assume that it is a foolproof way of preventing an accidental discharge and always follow the safety code when handling an air rifle.

4.3 LOADING THE MAGAZINE

General:

The magazine is designed to fit only one way into the rifle. When viewed from the rear the magazine rotates clockwise.

8 shot magazines:

Removal:

Push the safety to its safe mode and/or pull the cocking lever to its rear position. Then slide the magazine release pin backwards. The magazine can then be removed from the slot.

For uncocking the rifle see: Point 4.2

Insertion:

For first time use, position the magazine in the rifle without pellets to understand its function.

- Push the safety to its safe position and pull the cocking lever until it locks.
- Slide the magazine release pin backwards.
- Insert the magazine into the slot and while you put pressure on the magazine with your finger, you push the magazine pin forward.
- While putting pressure on the magazine, push the magazine release pin forward.
- Rotate the magazine clockwise until you feel it index with the magazine index spring.



Loading pellets:

Load pellets from the rear of the magazine, pushing them through the retainer "O" ring until the skirts are in line with the bottom of the magazine face.

Be careful not to squeeze or damage the pellet as this could affect accuracy.

Once loaded, insert the magazine back into the slot. Push the cocking lever to its forward position. This will chamber a pellet into the barrel and you are ready to fire when safety is off.

Do Not Close the Cocking Lever Until You Are Ready to Fire the Rifle!



12 and 16 shot magazines:

Removal:

Push the safety to its safe mode and/or pull the cocking lever to its rear position.

The magazine can now be removed from the slot.

For uncocking the rifle see: Point 4.2

Insertion:

For first time use, position the magazine in the rifle without pellets to understand its function. You cannot push the cocking lever to front position when magazine is empty. Push the safety to its safe mode and/or pull the cocking lever to its rear position. Insert the magazine into the slot.

Loading pellets:

Load pellets by pushing the transparent lid counter clockwise until it stops. Keep a firm grip on the lid in the end position.

- Put one pellet in the open slot from the rear side of the magazine, the tip of the pellet shall be pointing out of the hole.
- The back of the pellet should now be seen thru the transparent lid.
- This pellet will lock magazine spring.
- Be careful not to squeeze or damage the pellet as this could affect accuracy.
- Now turn the magazine so that the transparent lid is facing you.
- Turn the lid clockwise one slot at the time and fill in remaining pellets from the transparent side.
- Lock lid at starting position



WARNING:

Do not use pellets with more weight than 16 Grains / 1.030 Gram on the Monsoon

4.4 COCKING AND LOADING



Single shot action:

The single shot rifle is delivered with a useful pellet tray that will make it easier to load pellets, this is easy to apply and remove. It is simply held in place by two rubber retainers and you easily attach it by sliding it in to position.

To insert a pellet draw back the cocking bolt and push it down into the safety recess. Take a pellet of appropriate calibre and carefully insert it into the barrel opening in the breech or simply lay the pellet in the pellet tray as shown in the picture.

Be careful not to squeeze or damage the pellet as this could affect accuracy. Raise the bolt up and push forward and down until it is engaged in the firing recess. The rifle is now cocked and ready to fire.



8 shot repeater action:

- Pull the cocking lever/handle backward as far as possible without hesitation.
- Trigger will engage and the magazine will line up a pellet with the barrel.
- Push the cocking lever/handle forward as far as possible. This chambers a pellet into the barrel and you are ready to fire. Repeat above to fire more rounds.

If you're not pulling the cocking lever/bolt all the way back the trigger won't engage and you will end up with a pellet in the barrel but won't be able to fire. If this happens, remove magazine and fire the round that is located in the barrel. Then start from the beginning.

Do not repeat cocking without firing ! each time you cycle you will chamber a pellet into the barrel.



12 and 16 shot repeater action:

- Pull the cocking lever/handle backward as long as possible without hesitation.
- Trigger will engage and the magazine will line up a pellet with the barrel.
- Push the cocking lever/handle forward as far as possible, this chambers a pellet into the barrel and you are ready to fire.
- Repeat above to fire more rounds.
- When magazine is empty the magazine is designed so it will stop you from being able to move the cocking lever/handle to the front position.

If you're not pulling the cocking lever/bolt all the way back the trigger won't engage and you will end up with a pellet in the barrel but won't be able to fire. If this happens, remove magazine and fire the round that is located in the barrel. Then start from the beginning.

Do not repeat cocking without firing! each time you cycle you will chamber a pellet into the barrel.



12 and 16 shot semi-automatic action:

- Pull the cocking lever/handle backward as long as possible without hesitation.
- Trigger will engage and the magazine will line up a pellet with the barrel.
- Push the cocking lever/handle forward as far as possible, this chambers a pellet into the barrel and you are ready to fire.
- When magazine is empty the magazine is designed so it will stop reloading automatically.

If you're not pulling the cocking lever/bolt all the way back the trigger won't engage and you will end up with a pellet in the barrel but won't be able to fire. If this happens, remove magazine and fire the round that is located in the barrel. Then start from the beginning.



4.5 AIR TUBES

Removal: (only 8 shot actions and Revolution)

Front air tube:

Grab the tube and unscrew it counter-clockwise. This shall be done with a minimum of 100 bar inside the air tube otherwise the air tube will separate from its tube end caps. There will be a small air escape from the air trapped in between air tube and rifle.

Rear air tube:

The same procedure as for the front air tube but if your rifle is equipped with both front and rear tube you need to unscrew them little by little. If you turn just one whole rotation on each tube at a time both valves will close at the same time and you will have no pressure loss. If you just unscrew one bottle at a time, air from the other air tube will blow out thru the rifle.

Attaching: (only 8 shot actions and Revolution)

Front air tube:

Just grab the air tube and start to screw it on to the rifle clockwise. Be careful so that you don't damage the thread.

Rear air tube:

The same procedure as for the front air tube but if your rifle is equipped with both Front and rear air tube you need to screw one of them on first. When you feel that the valve touches the base, you attach the other air tube fully and then go back and tighten the first air tube.

4.6 Poweradjuster

8 shot repeater actions only!

The 8 shot repeater actions have a power adjuster with three available steps:

There is an approximately difference in each stage of 50 m/s or 165 ft/s on a rifle with maximum settings.



- | | |
|----------------------|--------|
| 1. Forward Position | Low |
| 2. Middle Position | Medium |
| 3. Rearward Position | High |

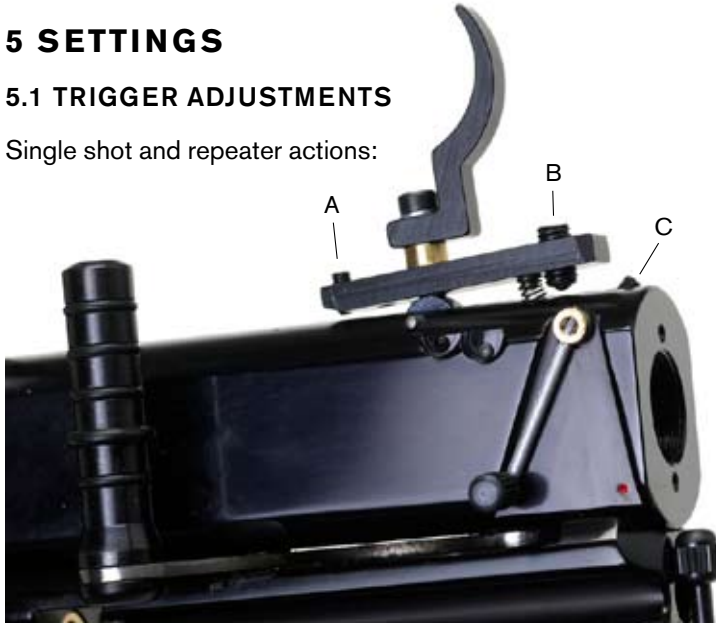
Be sure that the adjuster wheel is positive in one of the three detents before firing the rifle!

Note: If the power adjuster hasn't been used for a while it may need some force to move for the first time. You might notice a little air blowing out at the power adjuster when shooting, this is fully acceptable and doesn't affect the power or accuracy.

5 SETTINGS

5.1 TRIGGER ADJUSTMENTS

Single shot and repeater actions:



A. First Stage, Length of pull

Turning Clockwise will reduce the amount of first stage travel.

Turning Counter-Clockwise will increase the amount of first stage travel.

WARNING: Turning Clockwise too much will eliminate the 2nd stage and prevent sear engagement.

Tool required: 1,5 mm Hex Key (allen key)

B. Second Stage, Resistance of pull

Turning Clockwise increases the resistance of the second stage.

Turning Counter-Clockwise decreases the resistance of the second stage.

Factory setting of the resistance is 0,5-0,8 kg of the trigger pull.

Tool required : Slotted screwdriver (early models) 2 mm Hex Key (later models)

C. Safety Catch Adjustment

Should be adjusted to prevent trigger from being pulled while in the safe position.

Should be positioned as far out as possible.

WARNING: Failure to adjust this screw after altering the trigger can result in a non-functioning safety.

Tool required: 1,5 mm Hex Key (allen key)

5.2 RECOIL PAD ADJUSTMENT



Model 16051: Loosen the screw in the middle (seen on the picture) to be able to move the recoil pad. Tighten screw when recoil pad is in desired position.

Tool required: Slotted Screwdriver



Model 11526: There are two hex/ allen screws hidden in the recoil pad that have to be loosened to be able to move the recoil pad. Tighten screw when recoil pad is in desired position.

Note: Cyclone with synthetic stock has this recoil pad but it is not adjustable.

Tool required: 3 mm Hex Key (allen key)

5.3 CHEEK PIECE ADJUSTMENT



Rifles with rear bottles only:

Loosen the hex/allen key located in the top of the bottle cover/cheek piece and you are able to adjust both length and angle. Tighten screw when bottle cover/cheek piece is in desired position.

Tool required: 5 mm Hex Key (allen key)

5.4 RELOADING ADJUSTMENT

Cutlas and Gladiator:

You might need to adjust the auto return spring force after a while or if you use non FX Pellets.

To increase the force of the spring turn the turn the hex screw clockwise.

To reduce the force of the spring turn the turn the hex screw counter clockwise.

Sidelever will not reach all the way to closed position and you have to close the last bit by hand if the tension on the spring is too small.

Sidelever will bounce out from the stock and you have to close the last bit by hand if there is too much tension on the spring.

Correct setting: The handle on the sidelever should stay in closed position.

Tool required: 5 mm Hex Key (allen key)



Revolution calibre 5.5:

If you attach a silencer to your Revolution you must reduce the reloading power. This is done by releasing the reloading pressure on the Hex/allen screw shown on next page. You can see the screw in the air escape hole on the side of the rifle and you are able to adjust this 6 whole rotations from bottom and out.



Too much reloading pressure: Trigger system will wear out faster. Too little reloading pressure: rifle won't cycle.

Tool required: 2,5 mm Hex Key (allen key)

6 SPECIAL FEATURES



6.1 MAGAZINE HOLDER

Storm and Cutlas with Synthetic Stock:

On the side of the stock there is a cylindrical chamber that you can put several spare magazines. They are simply held to place by their own o-ring. In need of a magazine just push them out from one side to the other.



6.2 ACCESSORY RAIL

Cutlas with Synthetic Stock:

In the front end of the stock there is an accessory rail where you are able to Attach, lamps, bipods and other accessories (weaver style rail).

7 MAINTENANCE

7.1 REPLACEMENT OF O-RINGS

Fillprobe:

After a period of time, the O-rings on the fillprobe will need to be replaced. The need for this will become noticeable if air is heard leaking from the nozzle while charging the rifle. Always be sure to replace both O-rings.

8 shot magazines:

After a period of time it might become necessary to replace the O-ring that retains the pellets in the magazine. The need for this will become noticeable when the rifle's bolt becomes difficult to cycle or if pellets fall thru when loading the magazine.

7.2 LUBRICANT

General:

Keep the rifle clean and wipe it off with regular gunoil and a cloth occasionally.

Fillprobe:

Apply a thin layer of suitable mineral based oil occasionally or when dried out.

8 shot magazines:

Apply a thin layer of suitable mineral based oil occasionally or when dried out.

Cocking bolt and sidelever sliding surface:

Apply a thin layer of Fuchs Renolit RHF-1 grease or a standard multipurpose grease occasionally or when dried out.

WARNING: Never use grease or spray oil in the moving parts inside the gun. This can result in unstable power and also leakage. **Do not over lubricate!**

7.3 CLEANING

General:

Keep the rifle clean and wipe it off with regular gunoil and a cloth occasionally

Barrel:

We recommend that you use cleaning pellets occasionally. You can shot them thru the barrel without the risk of damaging the barrel.

WARNING: Never use sharp chemicals or water to clean the rifle.

7.4 STORAGE

General: Store in a place that is dry and dark. Store with a pressure between 50-200 bar in the rifle.

WARNING:

- Keep away from spaces with high humidity as steel parts might corrode.
- Keep away from bright sunlight as this shortens the life of the o-rings.
- Never store the rifle loaded with pellets.

7.5 TROUBLE SHOOTING

This info only covers the most common malfunctions.

Leakage:

Problem	Solution
Air leaks out thru the barrel.	Main valve needs replacement
Air leaks out thru charging hole	Inlet valve needs replacement
Sounds like air escapes from gauge	Gauge needs replacement
None of above	Contact you dealer

Precision:

Problem	Probable cause	Solution
Precision	Pellets	Try different pellets
	Magazine	Check magazine for malfunction, replace if needed.
	Silencer	Remove and try without
	Barrel breech o-ring	Check o-ring in barrel breech, replace if needed.
	Barrel support	Remove and try without
	Low pressure	Charge the rifle
	None of above	Contact you dealer

Malfunction:

Problem	Probable cause	Solution
Trigger wont engage	Worn trigger parts	Try adjusting, replace if needed.
Rifle wont fire	Empty of air, or as point 1	Charge the rifle
Magazine is not rotating	Index lever might be bent	Index lever needs to be replaced.
Rear bottle is wobbling	Bottle mount has loosened	Mount needs to be tighten a.s.a.p.
Rifle wont auto reload On my Semi Auto	Pellet leftovers	Remove end cap and clean out. The air chamber and also return pipe on the revolution.
	Worn trigger parts	Try adjusting, replace if needed
	Low pressure	Charge the rifle
	Too much pressure	Shoot a couple of rounds with just air to get the pressure down
None of above		Contact your dealer



8 ACCESSORIES



Scopemounts

Sport Utility Rings have a unique wrap around design, are available in 1 inch diameters, fits any scope size (low, medium or high) and comes in matte black.



FX optics 3-12x44 ir/ao

Objective Lens Diameter	44 mm
Diopter Adjustment Range	-2.0 / +2.0
Reticle	Illuminated Red
Parallax	30 yds-infinity
Body Tube Diameter	25.4 mm
Total Length	412 mm
Total Weight	500 g
Lens Coating	Fully Multi-coated



Muzzle Flip

Suits all FX Rifles with 1/2" thread on the muzzle. Mounted as standard on the Verminator

Addition

Shrouded barrel and barrelsupport. Available as addition on some of the FX rifles.



Single Scoped Rifle Case

Contoured recessed latches. Padlock tabs for added security Strong and ribbed construction. Inner dimension: 121x27x7 cm.

FX HANDPUMPS



Four stage turbopump

The new Turbo Pump is equipped with a patented 4 stage system. It has a unique gearing system that gives you the opportunity to gear down when it gets rough. It allows the user to choose if they want high volume (300 cc) with lower pressure Or low volume (200 cc) with higher pressure.

Features: Pressure gauge, moisture trap, particle filter (replaceable), and bleed valve. Unique Gearing system.

Three stage pump

The easiest most convenient and affordable way to charge your airguns Patented three way system gives you 200 bar with ease. Maximum fill pressure 250 bar.

Features: Pressure gauge, moisture trap, particle filter (replaceable), and bleed valve.

Connections: DIN or Kevlar hose 0,5 m with 1/8" thread.



FX Pellets

High performance domed (round tip) air rifle pellets. Recommended for all FX products.

Calibre: 5,52 (.22)
weight 1,030 grams
(16 grains)

Calibre: 4,52 (.177)
weight 0,547 grams
(8,44 grains)



FX Airtubes

Available for all guns with removable airtube.

Front tubes

240cc - 500 mm • 185 cc - 390 mm
150cc - 320 mm • 65cc - 140 mm
45cc - 100 mm

Rear bottles:

500 cc and 400 cc

Maximum fill pressure 220 bar.

NEW!



Gauge assembly

This gauge suits all our front airtubes. You can use it with or without barrel support.



Tube clamp

Allows easy addition of a sling, strap, bipod or other accessory without any modification to the fore end of the stock. Suitable for all airtubes with a diameter of 33 mm.



Barrel support

Requires newer version air cylinder with raised section on end cap. Available for standard (14 mm). barrel and shrouded versions (16 mm). Replacement end cap is required if an older version of cylinder. Is to be used with barrel support.



Tube extension

Add this to your existing airtube for additional volume. Approximately 5- 10 more shots at high power. 45cc - 100 mm.



Cleaning pellets

Recommended for all FX guns. Outstanding cleaning without damage to the barrel. Available in 4,5 (.177) and 5,5 (.22).



Charging kit

Complete charging device for your scuba tank. Features: Pressure gauge, particle filter (replaceable), and bleed valve. Connections: Kevlar hose 0,5 m with 1/8" thread / FX Fill probe and DIN in scuba end.



Pump accessories

Various adapters DIN to 1/8". External moisture trap, easy to service and clean, 1/8" connections.



FX Magazines

Spare magazines in calibre 4,5 (.177) and 5,5 (.22). State type of gun when ordering.



FXairguns MADE IN SWEDEN

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