



3 YEAR WARRANTY

All new Daystate rifles are guaranteed against faulty parts and labour for a period of 3 years from date of purchase (proof of purchase required). After this period it is recommended that the rifle be returned to Daystate or its authorised agent for a scheduled service and subsequently every 3 years. Servicing is charged at current rates. The warranty applies to the first purchase of a new rifle and is not transferable to subsequent owners.

EXCLUDED FROM WARRANTY

Failure due to misuse or abuse, the fitting of non-standard parts, springs, seals, water-damage to wooden stocks, batteries and fair wear and tear. Daystate Ltd or their approved agent must carry out all maintenance and warranty work. The rifle must be maintained and used as outlined in this Instruction Manual. Should a rifle be returned or collected under warranty, Daystate or its approved agent reserve the right to charge for postage & inspection costs.

While every effort is taken to ensure the accuracy of the information in this instruction manual, Daystate Ltd or their agents cannot be held responsible for errors or omissions. Products are continually updated and specification may change without notice. Visit the online handbook at www.daystate.com/support for the latest information. E&OE.

www.daystate.com

Daystate



The Official Handbook



Seventh Edition • Airwolf MCT • MK4 iS • Air Ranger • Huntsman Regal • www.daystate.com

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SAFETY

- Never point your airgun at anyone or anything other than a legitimate target.
- Always check that your airgun is not loaded when you first pick it up.
- Always treat your airgun as if it was loaded, even if you know it's not.
- Never shoot on land where you do not have permission to shoot.
- Always use a safe, large backstop to catch your pellets - and pay due attention to what's behind it, should you miss.
- Never leave your airgun unattended.
- Always store your airgun and pellets separately and securely so that no unauthorised person can use them.
- Know and abide by the laws relating to airguns.

GENERAL INFORMATION

Congratulations on choosing a Daystate air rifle. Your rifle has been hand assembled using the finest materials available, from parts precision made using CNC engineering technology. This rifle is the culmination of Daystate's involvement with pre-charged air rifles and uses knowledge gained from manufacturing this type of air rifle for over 30 years, making your Daystate one of the most accurate and reliable rifles available today. Use this handbook to get the best from your rifle. Further information that includes more detail on the topics covered can be found online at www.daystate.com/support under the online handbook. Daystate also has an active owners club which is free to join and can be found online at www.daystateowners.com

FILLING YOUR AIR RIFLE WITH COMPRESSED AIR

Note: Do not use any other gas than clean, dry compressed AIR.

- Remove the dust cap from the rifle's charging connector and attach the female snap-on charging connector onto the inlet valve. Ensure that the outer sleeve is fully forward and that the connection is secure.
- Check that the bleed screw on the charging unit is closed and slowly open the feed valve on the air bottle. Compressed air will now fill the reservoir.
- Fill to the charging pressure marked in the silver disc on the side of the breech block (typically 180 – 230 bar). Close the feed valve. Allow a few minutes for the pressure to 'settle' and then top up if required.
- Sharply open the bleed valve on the charging unit and bleed off the air from the filler hose.
- Remove the snap-on connector and replace the dust cap.

LOADING YOUR RIFLE – SINGLE SHOT

REMEMBER TO KEEP THE MUZZLE OF THE AIR RIFLE POINTING IN A SAFE DIRECTION AT ALL TIMES.

- Apply the safety catch*
- Check that the pellet is not damaged and push the pellet **directly in to the barrel**.
- Push the cocking handle forward and make sure that the handle is down.

THE AIR RIFLE IS NOW LOADED

Disengage the safety catch and the rifle will now fire.

* Mk4/Air Wolf Electronic models; With the safety catch pushed up into the 'Fire' mode, a red light will illuminate.

The rifle can be 'dry' fired (with air and no pellet in the breech) without any mechanical damage occurring along as there is air in the rifle.

TO PREVENT DAMAGE TO THE RIFLING, ONLY USE SOFT METAL PELLETS



Positions for filling
bottle guns in stock



LOADING THE DAYSTATE MULTI-SHOT MAGAZINE.

REMEMBER TO KEEP THE MUZZLE OF THE AIR RIFLE POINTING IN A SAFE DIRECTION AT ALL TIMES.

- Apply the safety catch.
- Lift the cocking handle at the rear of the breech block and pull all the way back until fully cocked. Move bolt forward until a click is felt then remove the magazine from the left side. **Note that the magazine can be factory supplied to be inserted from the right side.**
- The magazine can now be loaded. Load one pellet into the LARGE bottom hole ensuring that the pellet head passes the seating o-ring. Rotate anti clockwise to load each subsequent pellets one click at a time up to a maximum of ten pellets.
- Replace the magazine back into the breech block and return the bolt forward to the closed and locked position.



Disengage the safety catch and the rifle will now fire.

- Mk4/Air Wolf Electronic models; With the safety catch pushed up into the 'Fire' mode, a red light will illuminate.
- To fire the next shot rotate the breech bolt by 45° upwards and pull fully back. The last movement of the bolt is against a spring, which will rotate the magazine. Return the bolt forwards to the locked position to chamber a pellet into the barrel.
- When the last shot is chambered a red dot is displayed on the left side of the magazine. It is possible to remove and 'top up' the magazine should shooting time allow.



BATTERY & CHARGING

Before charging the safety switch should be in the safe position and the key switch set to off.

A power adaptor is supplied suitable for any voltage from 110 to 240 volts and has an output of 15 volts. You should fit the correct mains adaptor supplied with the charger for your country or region. When the power adaptor is plugged in the gun's red LED light will flash to indicate charging. The light will continue to blink as long as the batteries are on charge, no matter which position the safety catch is in, safe or fire.

The information display shows percentage of the battery remaining. When charging is complete the battery shows 100% then the charger can be removed.

Note: A battery can take up to 14 hours to charge if the batteries are fully flat.

As all batteries lose a little power whilst in storage, the rifle may need to be charged before its first use. We advise that the battery is to be charged when it drops to an indicated 30%. The battery should be charged periodically (at least every 6 months) even if the rifle has not been used.

AUTO-SAFE FEATURE

If the safety catch is left in the FIRE position for over 15 minutes without the rifle being fired, the rifle automatically switches off and an audible series of 6 beeps is heard.

PELLET RECOMMENDATIONS

The Daystate multi-shot magazine has been engineered for round nosed pellets and may misalign or even jam if used with other shapes. In the UK, unlicensed rifles must not be capable of producing power above the legal limit of 12 foot/pounds muzzle energy. The rifle has been set at the factory with sufficient safety margin to ensure compliance with all currently available pellets.

Recommended pellet types - in order of choice:

12 FT/LBS (UK unlicensed)

Daystate Sovereign, Daystate FT, JSB Exact, Air Arms Field.

UP TO 30 FT/LBS

Daystate Sovereign, Daystate FT, JSB Exact, Air Arms Field.

UP TO 40 FT/LBS

Daystate Rangemaster Monster, Rangemaster Powermax, Bisley Magnum, , H&N Barracuda Match.

UP TO 60 FT/LBS

Daystate Rangemaster Monster

UP TO 85 FT/LBS

6.35mm: Daystate Rangemaster Twentyfive, JSB Exact King, H&N Barracuda.



Electronic MCT rifle programming chart

The programming mode is entered by ensuring the gun is unloaded, in the safety in the safe position, pointing the muzzle in a safe direction (down) and pulling the trigger, then switch the safety catch to FIRE. The gun will then beep and flash indicating that the gun is in program mode. If the trigger is kept pulled, the gun will cycle through its programming mode and will beep and flash the appropriate amount of times, indicating the mode it is in. Releasing the trigger in that mode will allow further selection as given in the following chart:



RESETTING THE MAGAZINE COUNTER, STAGE 1

1. Enter programming mode and wait for the gun to beep and blink once Display: Reset Magazine
2. Release the trigger, the magazine counter is reset and the gun is now ready for firing

RESETTING THE SHOT COUNTER, STAGE 2

1. Enter programming mode and wait for the gun to beep and blink twice Display: Reset Shot Count
2. Release the trigger
3. The shot counter is now reset and the gun is ready for firing

DISPLAY ACTIVE PRESSURE, STAGE 3

1. Enter programming mode and wait for the gun to beep and blink three times Display: Display Pressure
2. Release the trigger
3. The active pressure and other data will show on the display. The rifle will not fire - Ideal for demonstrating the information screen.
4. Set the safety switch to safe to cancel reading

SET POWER, STAGE 4

1. Enter programming mode and wait for the gun to beep and blink four times Display: Set Power
2. Release the trigger
3. Pull the trigger to toggle between off the two power modes Hi Pwr and Pwr 2,
4. Set the safety switch to safe, the power setting is now set Programmed.

Note: Pwr 2 (power 2) is usually set to be approximately 70% of Hi Pwr (high power) which is the high or full-power setting for your rifle.

LIGHTING OPTIONS, STAGE 5

1. Enter programming mode and wait for the gun to beep and blink five times Display: Lighting Options
2. Release the trigger
3. Pull the trigger to select between ON Timed 10 seconds (display on 10 seconds LED on) ON Continuously (LED and display on) and OFF (display and LED off),
4. Set the safety switch to safe, lighting options are programmed.

TURNING ON AND OFF THE MAGAZINE COUNTER, STAGE 6

1. Enter programming mode and wait for the gun to beep and blink six times Display: Mag Count, On/Off
2. Release the trigger
3. Pull the trigger to toggle between off/on
4. Set the safety switch to safe, the magazine counter status is programmed

SINGLE SHOT SETTING, STAGE 7

1. Enter programming mode and wait for the gun to beep and blink seven times Display: S. Shot On/Off
2. Release the trigger, the gun is now in single shot mode
3. Pull the trigger to select between single shot reminder mode off/on

NOTE: When set to on, the safety catch needs to be reapplied after each shot. The rifle will beep & click as a reminder.

LOW PRESSURE WARNING, STAGE 8

1. Enter programming mode and wait for the gun to beep and blink eight times
2. Release trigger and the gun is now in low pressure warning mode
3. Do not pull the trigger again to leave low pressure warning off
4. Pull the trigger, first pull enters 50 bar, each subsequent pull adds 1bar
5. Set the safety switch to safe, the low pressure warning is now set - the rifle will give an audible 'chirp' when pressure drops below this pressure.

RESETTING THE GUN TO DEFAULTS, STAGE 9

1. Enter programming mode and wait for the gun to beep and blink nine times, release the trigger Display: RESET DEFAULTS
2. Pull the trigger – a single long beep will be heard
3. Re-apply the safety to the safe position. The gun is now returned to default settings: magazine, shot counter low pressure warning Off, High power, LED on, magazine count off and single shot setting off



RECOMMENDED MAINTENANCE

RECOMMENDED MAINTENANCE

Precharged air rifles contain extremely high pressures and can be dangerous if not serviced correctly. Daystate recommends that all work is carried out by a Daystate factory-trained gunsmith. Correct maintenance will ensure longer trouble free life, therefore Daystate recommend the rifle be returned to the factory or your Daystate approved servicing agent for routine maintenance every three years

BARREL CLEANING

For optimum performance the barrel should be periodically cleaned using felt cleaning pellets lubricated with a barrel cleaning isolation recommended for air rifles or a light grade oil. The frequency depends on the pellets used and the individual barrel, but as general guidance the barrel should be cleaned at least every tin of pellets

AIR RESERVOIR

The steel under-barrel pressure cylinder will withstand pressures many times the working pressure of the rifle. To resist corrosion the cylinder is treated with a zinc coating covered by a tough weatherproof finish which will last for many years. Every 10 years the rifle should be returned to the factory or approved agents to be inspected and the air cylinder replaced and pressure tested to confirm its safety. Air cylinders are date stamped to assist inspection.

HAND PUMPS

This type of charger offers an inexpensive and convenient method of charging your rifle. They do not contain the sophisticated water extraction and dirt removal filters found in breathing quality air compressors and their use can shorten the life of sealing valves and o-rings. If you regularly use this type of charger, care should be taken to avoid condensation build-up from inside the pump being transferred to the rifle. The pump should not be used in sandy or dusty conditions. Always refer to the pump manufacturers operating instructions

WALNUT STOCK

Walnut stocks have an oiled finish; the stock should be periodically wiped over with suitable walnut stock oil or boiled lynseed oil.

ACTION

Daystate recommend that a suitable gun oil is applied to a cloth be used to wipe over the entire outside of the gun, making sure that the entire area is covered with an even amount to protect the metal parts.

LUBRICATION

The bolt shaft should be lubricated with a small amount of light grease. Do not allow any grease to get onto the pellet channel where it could enter the barrel. **DO NOT OIL OR GREASE** any of the internal parts such as the striker or hammer, the inlet valve system or the snap-on connector (filler valve). Doing this could cause problems with consistency & unit sealing.

MORE INFORMATION

More servicing information including how to set up a telescopic sight, parts lists, updates and the accessories available for your rifle can be found online at www.daystate.com/support

TRIGGER ADJUSTMENT

TWO-STAGE TRIGGER - Allen Key Size: 1.5 mm

Note: It is advisable to remove the rifle's action from the stock and the trigger guard to adjust the trigger.

1ST ADJUSTMENT: Adjusts the second stage weight setting. Remove the locking screw. To increase the weight, turn the screw anti-clockwise, and clockwise to lighten the weight. **IMPORTANT.** Do not adjust this screw too far clockwise as the gun will not cock.

2ND ADJUSTMENT: Enables you to set the angle that the trigger blade sits in the trigger block (factory setting is approximately 90°). If this is adjusted then the 3rd adjustment will have to be altered.

3RD ADJUSTMENT: This screw will adjust the first stage travel. Turning it anti-clockwise will increase the travel and clockwise will decrease the travel.

NOTE: AFTER ADJUSTING THE TRIGGER IT MAY BE NECESSARY TO ADJUST THE SAFETY CATCH ACTIVATOR SCREW IN OR OUT - TO ENSURE SAFE OPERATION OF THE SAFETY CATCH.

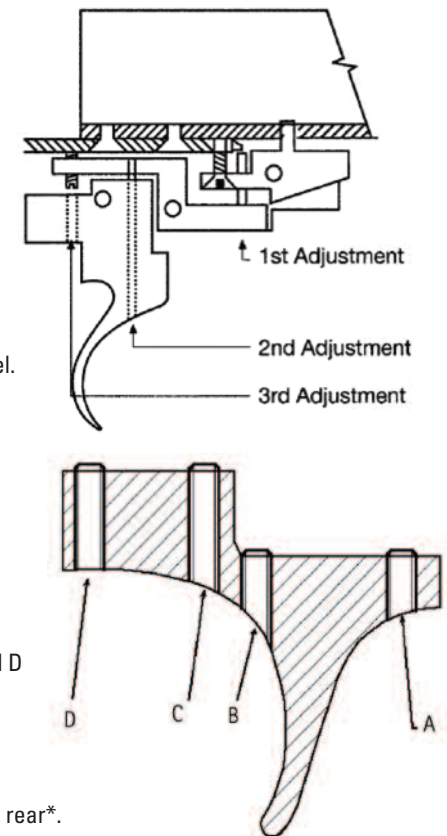
ELECTRONIC TRIGGER UNIT - Allen Key Size: 1.5 mm

Note: It is not necessary to remove the rifle's action from the stock to adjust the trigger.

Ensure that the safety switch is in the "safe" position and that the rifle is unloaded.

Screw A: 2nd Stage Contact Screw - Factory Set **Screw B:** 2nd Stage Weight Screw - Adjust clockwise to Make heavier

Screw C: 1st stage Weight Screw - Adjust clockwise to Make heavier **Screw D:** 1st Stage Travel Screw - Adjust clockwise to Decrease trigger travel D



Fitting a Rifle Scope

Attaching the mounts

Daystate recommend the use of Blueprint Mounts. Loosely fix one mount to the dovetails on the front section of the breech block and the other on the rear*. Place the scope with the scope's saddle to the rear of the magazine as pictured.

Aligning the crosshair

You will need either a gun vice or 'Workmate' as to align the sight the rifle will need to be held firm and level.

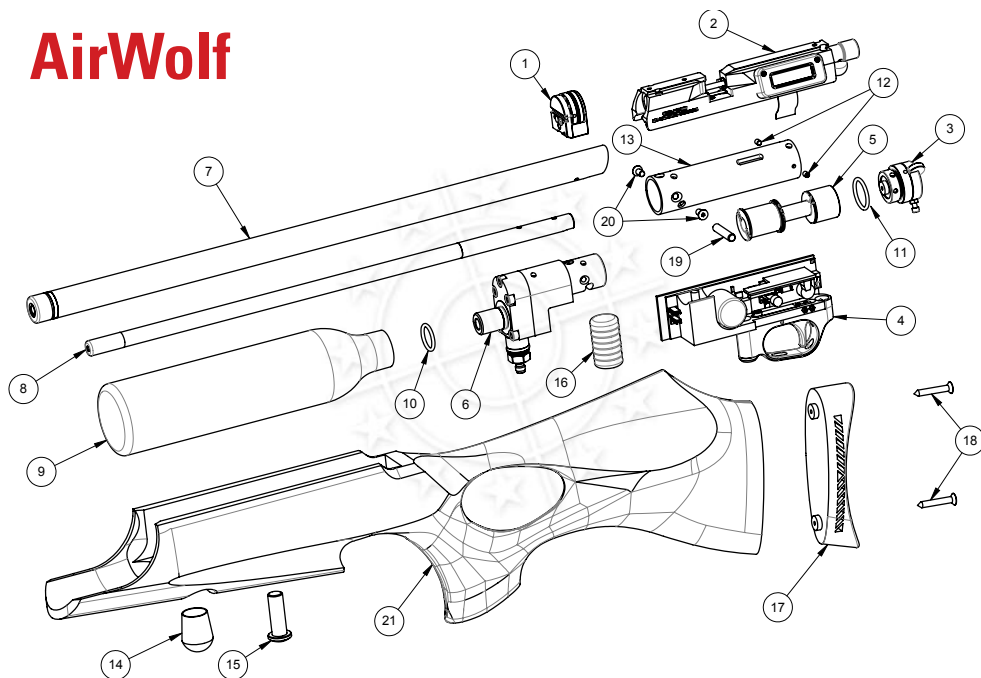
- Place the gun vice or workmate on a firm and level surface.
- Clamp the rifle, making sure that you do not damage the stock.
- Place one spirit level across the flat part of the breech block and adjust the rifle until it is level.
- Now look through the sight and without moving the rifle rotate the scope until the vertical cross hair aligns with the plumb line - All screws should now be tightened.

To zero the rifle

- Set up a large paper target, with a safe and suitable backstop at around 12yds
- Mark a simple cross on the target and from about 12 yds (10 metres) . Fire a test shot
- If the pellet is close to the 'mark' then note its position
- If the shot was lower than 5 inches (130 mm) then you will probably run out of adjustment on the elevation turret and it will be necessary to pack up the back of the scope*
- Using the turrets on your scope, adjust until the centre of the crosshair and the pellet hole coincide
- Repeat stages 1-4 at your chosen zeroing distance

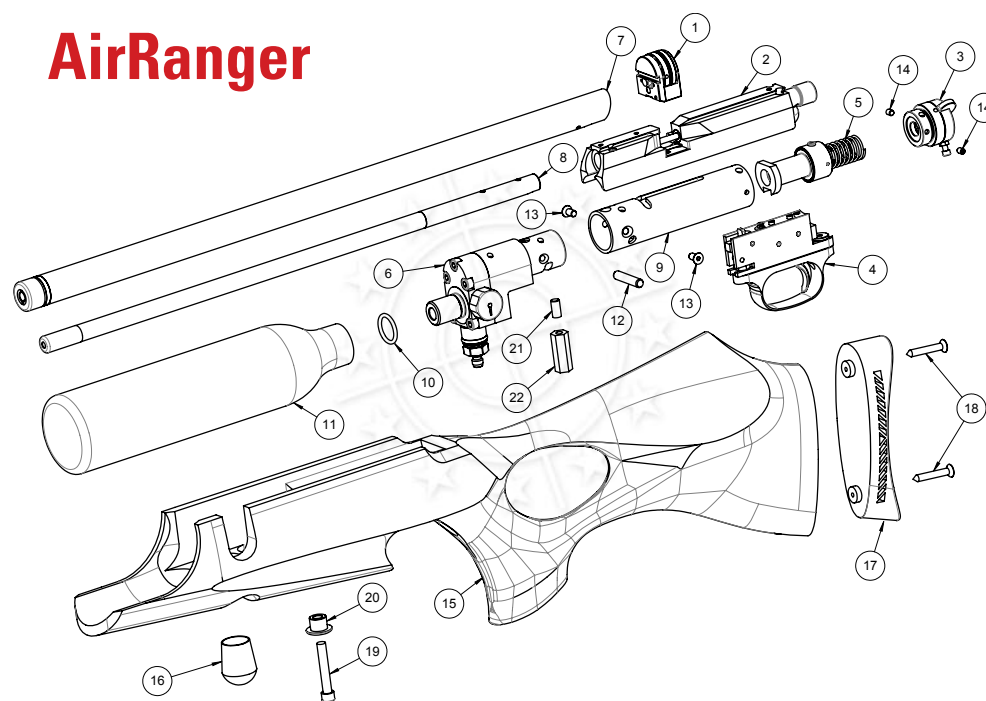
*It is quite common when sighting in an airgun to need to tilt the scope forward by shimming the rear mount by up to .3 mm. A good material to use for this purpose is 35mm film negative or lead tape (used to weight golf clubs). Simply cut the shim to the same size as the mount and place it between the scope and the rearmost mount.

AirWolf



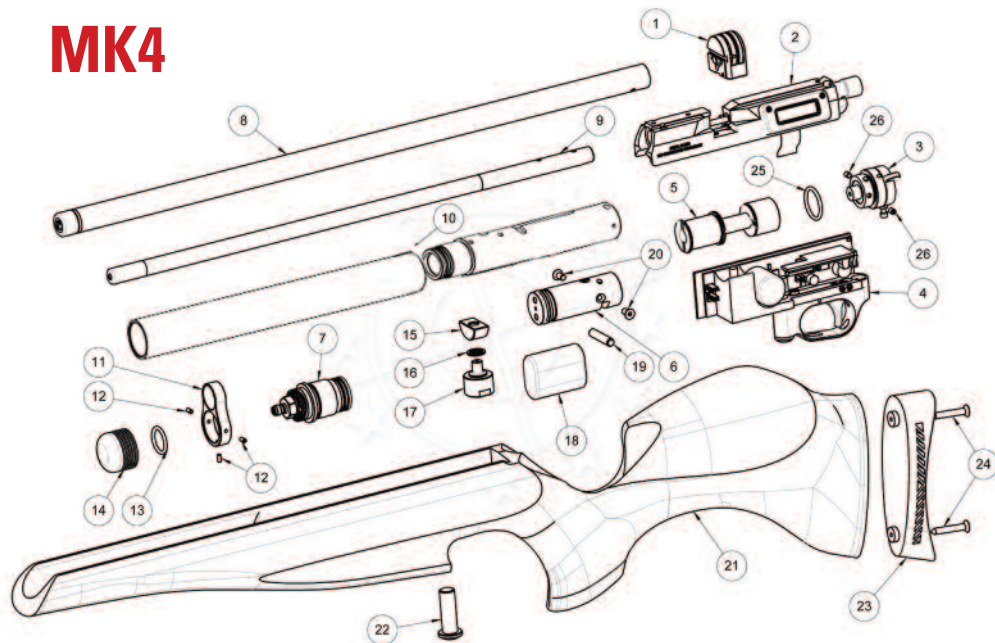
1. Magazine
2. Breech block group assembly
3. Safety catch group assembly
4. Trigger group assembly
5. Striker solenoid group assembly
6. Valve housing group assembly
7. Integral sound moderator group assembly
8. Barrel
9. Bottle 400/500cc
10. O-Ring N70 617
11. O-Ring N70 118
12. Screw 4BAx1/8"
13. Striker Housing
14. Dust cover
15. Stock bolt
16. Battery
17. Butt pad
18. Butt pad screw
19. Valve body dowel
20. Valve body retaining screw
21. Stock

AirRanger



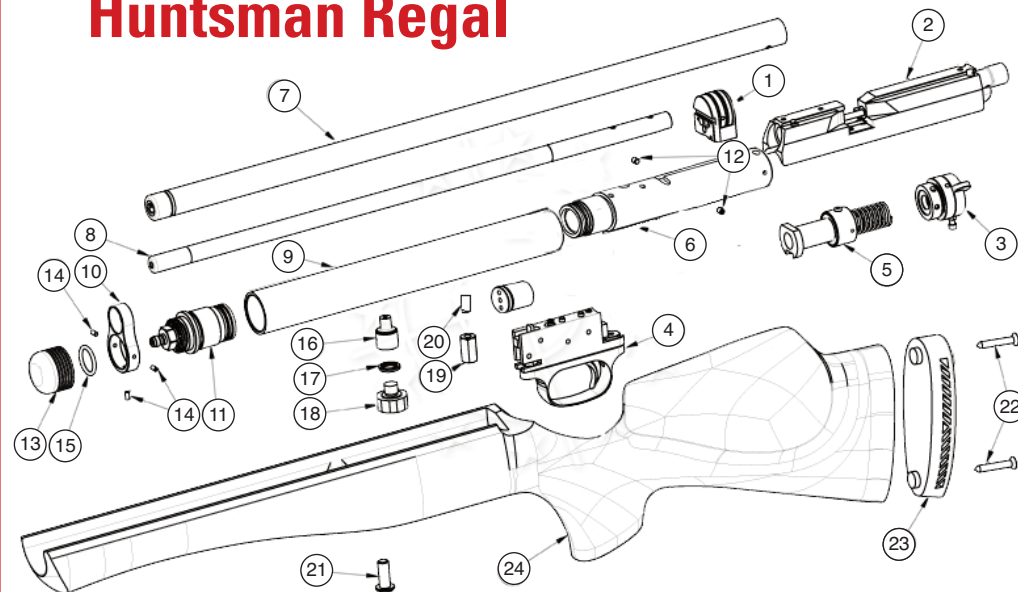
1. Magazine
2. Breech block group assembly
3. Safety catch group assembly
4. Trigger group assembly
5. Hammer group assembly
6. Valve housing group assembly
7. Integral sound moderator group assembly
8. Barrel
9. Striker Housing
10. O-Ring N70 617
11. Bottle 400/500cc
12. Valve body dowel
13. Valve body retaining screw
14. Screw 4BAx1/8"
15. Stock
16. Dust cover
17. Butt pad
18. Butt pad screw
19. Stock bolt
20. Stock bolt washer
21. Valve body dowel
22. Valve body retaining screw

MK4



- | | |
|--|--------------------------------|
| 1. Magazine | 16. Dowty Seal |
| 2. Breech block group assembly | 17. Pressure sensor |
| 3. Safety catch group assembly | 18. Battery |
| 4. Trigger group assembly | 19. Valve body dowel |
| 5. Hammer group assembly | 20. Valve body retaining screw |
| 6. Valve housing group assembly | 21. Stock |
| 7. Front Valve Body assembly | 22. Stock bolt |
| 8. Integral sound moderator group assembly | 23. Butt pad |
| 9. Barrel | 24. Butt pad screw |
| 10. Air Cylinder | 25. O-Ring N70 118 |
| 11. Barrel support | 26. Screw 4BAx1/8" |
| 12. Screw Flat M3x6 | |
| 13. O-Ring N70 810 | |
| 14. Dust cover | |
| 15. Sensor insert | |

Huntsman Regal



- | | |
|--|----------------------------|
| 1. Magazine | 15. O-Ring N70 810 |
| 2. Breech block group assembly | 16. Pressure gauge adaptor |
| 3. Safety catch group assembly | 17. Dowty Seal 1/8" |
| 4. Trigger group assy | 18. Pressure sensor |
| 5. Hammer group assy | 19. Pressure gauge |
| 6. Valve housing group assy | 20. Hexagon retaining nut |
| 7. Integral sound moderator group assy | 21. Stock bolt |
| 8. Barrel | 22. Butt pad screw |
| 9. Air Cylinder | 23. Butt pad |
| 10. Barrel support | 24. Stock |
| 11. Front Valve Body Assy | |
| 12. Screw 4BAx1/8" | |
| 13. Dust cover | |
| 14. Screw Flat M3x6 | |