



Daystate

Small Arms Manufacturers

Air Rifle Instruction Manual

Important

Please read this manual
carefully

Write your rifle's details here

Type

Serial No.

Date Purchased

Pellets / Power /

Calibre

Charging Pressure

Accessories Fitted

Safety.

- Never point your airgun at anyone.
- Always check that your airgun is not loaded when you first pick it up.
- Always treat your airgun as if it were loaded, even if you know it's not.
- Never shoot on land where you do not have permission to shoot.
- Never point your airgun at anything that isn't safe to shoot at.
- Always use a safe, large backstop to catch your pellets - and pay due attention to what's behind, should you miss the backstop.
- 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 made using the finest materials available and has been precision made using CNC engineering technology.

This rifle is the culmination of Daystate's involvement with pre-charged air rifles and manufacturing this type of air rifle for over 25 years, making your Daystate one of the most accurate and reliable rifles available today.

In order for your rifle to perform correctly it is recommended that it is regularly maintained and inspected, and any faults rectified immediately.

The power output of your rifle has been factory set. In the UK It is the owner's responsibility to ensure that non-firearms licensed rifles do not exceed the legal limit of 12ft./lbs.

If you have to leave your rifle for any length of time Daystate suggest some air is left in the reservoir, this will keep moisture at bay and help to maintain the integrity of the seals.

Spare parts are available from contacting Daystate or your local agent and ordering the parts required.

Daystate Owners Club.

The official D.O.C. can be found on the Internet at www.daystate.co.uk Log-on for more information and news.

Filling your air rifle with compressed air.

!! WARNING !!

Compressed air mixed with oil is a highly combustible mixture. **DO NOT** under **ANY** circumstances put oil or spray oil anywhere near the inlet valve of your gun or the snap-on connector. Always have the dust cap on when cleaning or oiling your gun.

NEVER use oxygen in any pre-charged gun.

Oxygen is highly inflammable and could cause the air cylinder to explode with potentially lethal results.

- 1 Remove the dust cap from the front of the reservoir.
- 2 Connect the female snap-on connector onto the inlet valve, **making sure that the outer sleeve is fully forward and that the connection is secure. If not the connector will disengage under pressure.**
- 3 Check that the bleed screw on the hose and gauge unit is closed and carefully open the feed valve. Compressed air will now fill the reservoir.
- 4 Fill to the **recommended pressure** and then close the feed valve. Allow a few seconds for the pressure to 'settle' and then top up if required.
- 5 Open the bleed valve on the hose and gauge unit and bleed off the air from the filler hose.
- 6 When **ALL** the air is out of the hose, remove the snap-on connector and replace the dust cap.

Rifle being filled from a
divers bottle



Recommended filling pressure on rifles
tag

DAYSTATE	
MODEL	Harrier
CALIBRE	.22
SERIAL No.	HR2001
FILLING PRESSURE	2,200psi

Made in England

Loading your rifle – Single shot.

Remember to keep the muzzle of the air rifle pointing in a safe direction at all times.

To load the weapon follow the instruction

- 1) Apply the safety catch
 - 2) Lift the cocking handle at the rear of the breechblock and pull it all the way back until you hear a 'click'. This has set the trigger and opened the breech.
 - 3) Check that the pellet is not damaged and place it in the loading channel, making sure that the barrel is horizontal or pointing slightly downwards.
 - 4) Push the cocking handle forward and rotate the handle downward to lock.
- THE AIR RIFLE IS NOW LOADED.**

**TO PREVENT DAMAGE TO THE RIFLING,
ONLY USE SOFT METAL OR PLASTIC
PELLETS**



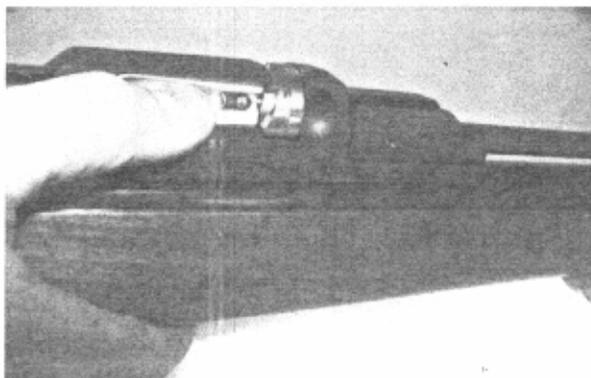
Loading the Daystate PH6 fixed rotary magazine.

The PH6 fixed 6 shot rotary magazine mechanism is available in both the Harrier and the Huntsman range of rifles.

To load the magazine.

- 1 Rotate the breech bolt by 45° anticlockwise and half cock to the first stop.
- 2 Depress the side-loading gate and slide a pellet down the groove into the first chamber.
- 3 Release the loading gate and rotate by hand the magazine cylinder.
- 4 Repeat operation 2 and then 3 until all the chambers are full.
- 5 The gun can now be cocked by retracting the breech bolt fully rearwards, then pushing forwards to load a pellet into the barrel.
- 6 Rotate the bolt 45° clockwise to lock the bolt and the rifle is now ready to fire.
- 7 After firing, to load another pellet the same FULL cocking action is repeated until the magazine is completely empty.

NOTE: - It is possible to 'top up' the magazine at any stage should shooting time allow.



Recommended Maintenance.

Your Daystate rifle has been designed to give many years service, to do this we ask that you do not exceed the recommendations for the gun.

Regular maintenance will ensure longer trouble free life therefore regular servicing and inspection will help towards accurate and consistent shooting.

Reservoir.

The pressure chamber must always be kept in good order, should damage occur i.e. denting, rusting, exposure to extremes of either heat or cold or any other blemish. It is advisable to return the gun for an inspection and pressure testing.

Stock.

Walnut. This stock is finished with approximately 3-4 coats of a stock conditioning oil. This provides a good hard and durable finish. Any further oiling should be done with a petroleum based stock wax. If it becomes damaged it is not necessary to strip the entire stock. Simply sand or wire wool the damaged area and reseal with either stock oil or wax.

Beech.

All beech stocks are finished in an acid hardener lacquer. This type of finish gives a darker look in appearance.

Note: If the lacquer were to be removed then the lighter colour of the Beech would show through. All scratches and dents can be repaired in the same way as the walnut stock, but to create the same

finish then the whole of the stock would need to be stripped.

RXB Camouflage Finish

The Harrier RXB is finished in a Realtree Xtra camouflage finish using a process known as immersion dipping. The camouflage finish is protected with a tough polyurethane varnish. Light damage can be touched up using proprietary enamel modelling paints. For more serious damage the rifle should be returned to daystate for refinishing.

The Action.

All Daystate products are chemically blued, and anodised for a deep lasting finish or given a matte anti-glare finish. Whichever is applied to your rifle, care is required to keep it in prime condition.

Daystate recommend that any silicone or synthetic based product applied to a cloth and then wiped over the entire outside of the gun, make sure that you cover the entire area 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 and cause inaccuracies and power fluctuations.

DO NOT OIL OR GREASE the inlet valve system or the snap-on connector. Doing this could cause problems with the unit sealing. See also the filling instructions

DO NOT LUBRICATE any of the internal parts such as the striker or the trigger mechanism unless it's with a product that has been recommended by Daystate.

	Huntsman MKII	Huntsman PH6	Harrier	Harrier PH6	Mirage XLR	CR-X
O/A length	38" 96.5cm	38" 96.5 cm	35" 90cm	35" 90cm	36" 91.5cm	39.5" 101cm
Barrel length	18 1/2" 47cm	18" 45.7cm	16" 41cm	16" 45.7cm	16" 41cm	20.5" 52.1cm
Calibre	.177, .20, .22, .25	.177, .20, .22, .25	.177, .20, .22, .25	.177, .20, .22, .25	.177, .20, .22, .25	.177
Weight	8.4lbs 3.85Kg	8.8lbs 3.915Kg	7lbs 3.2Kg	7.4lbs 3.3kg	4.5lbs 1.8Kg	10.8lbs 4.8kg
Safety	Manual	Manual	Manual	Manual	Manual	none
Action finish	Blued finish	Blued finish	Matte black	Matte black	Matte black	Matte black
Performance	(12 ft/lbs)					
.177	80 shots	80 shots	60 shots	60 shots	40 shots	110 shots
.20	80 shots	80 shots	60 shots	60 shots	40 shots	
.22	90 shots	90 shots	65 shots	65 shots	45 shots	130 shots
.25	100 shots	100 shots	65 shots	65 shots	50 shots	
Export	& FAC					
.177	Up to 20 ft/lbs	Up to 18 ft/lbs	Up to 18 ft/lbs			
.20	Up to 25 ft/lbs	Up to 20 ft/lbs				
.22	Up to 50 ft/lbs	Up to 40 ft/lbs	Up to 30 ft/lbs	Up to 30 ft/lbs	Up to 25 ft/lbs	Up to 23 ft/lbs
.25	Up to 50 ft/lbs	Up to 40 ft/lbs	Up to 35 ft/lbs	Up to 35 ft/lbs	Up to 25 ft/lbs	

Specification is subject to alteration without notice

Stock options.

1. Ambidextrous in Walnut or Beech
2. Styled Sporter (left or right handed) Walnut or Beech
3. Thumbhole Sporter in Walnut
4. Thumbhole adjustable FT Stock in Walnut
5. CR-X Target Stock in Walnut or Beech laminate (CR-X only)
6. Lightweight Profile Stock in Walnut

Pellet recommendations.

Up to 25 ft/lbs

Bisley Magnums, Bisley Super Field, H&N Barracuda Mat

Up to 40 ft/lbs

Bisley Magnums, H&N Barracuda

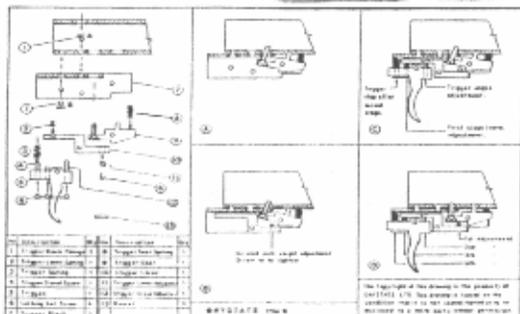
50 ft/lbs and over.

Eley Magnums.

Trigger Adjustment.

Standard 2 stage trigger.

For CR-X match unit, see separate instructions.



See page 12 for a fill-sized diagram

1st Adjustment This screw adjusts the second stage weight setting. To increase the weight, turn the screw anti-clockwise, turn clockwise to lighten the weight.

IMPORTANT. Adjusting this screw too far clockwise will cause the sear NOT to engage and the gun will not cock.

2nd Adjustment This 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 and 4th adjustments will have to be altered to give you the necessary feel.

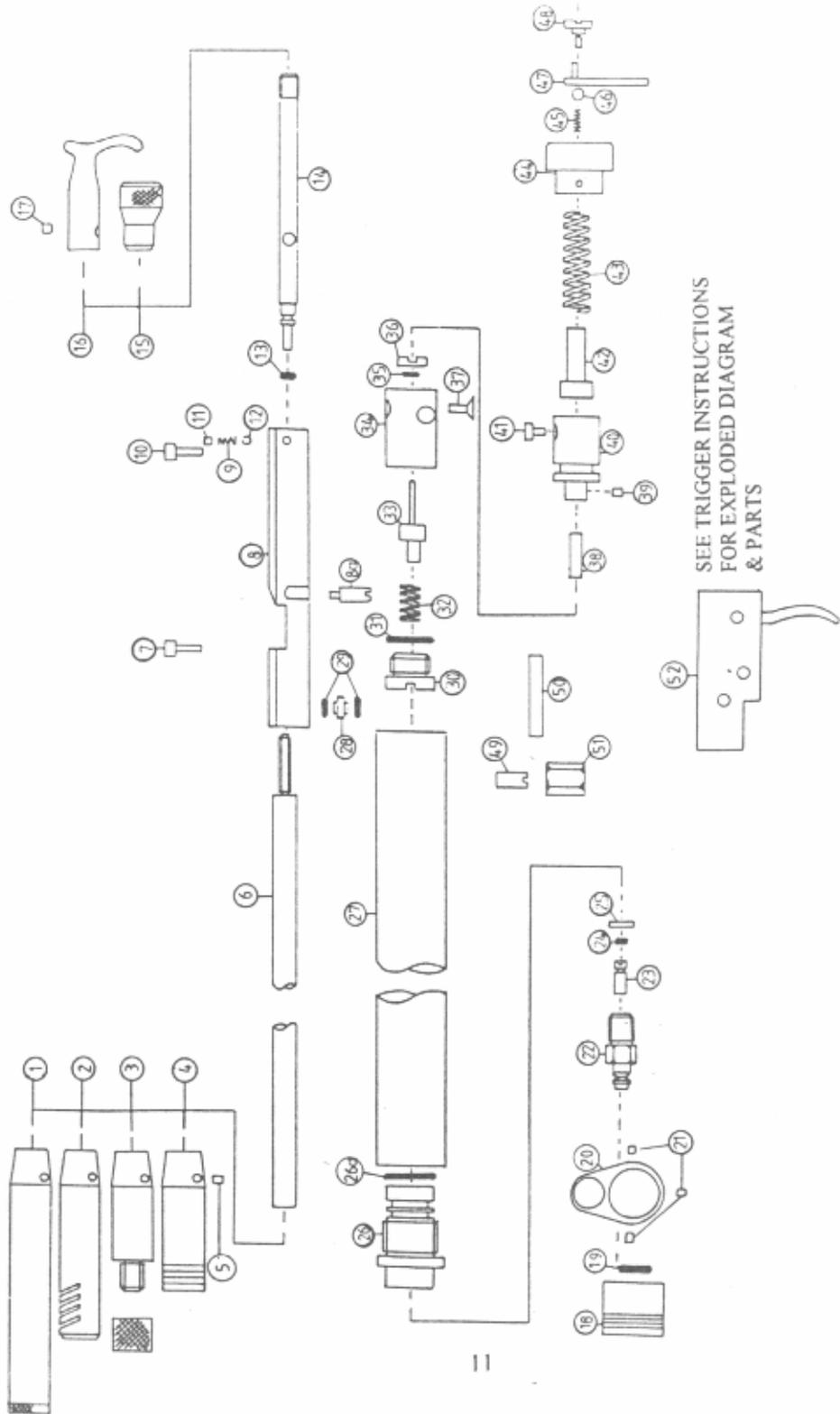
3rd Adjustment This screw will adjust the first stage travel, turning it anti-clockwise will increase the travel and clockwise will decrease the travel

4th Adjustment This screw is for the after travel of the trigger once the gun has been fired. This is factory set to have minimal travel, if you require this travel to be less then turn the screw clockwise. (PLEASE NOTE: Turning this screw too far clockwise will cause the trigger NOT to fire)

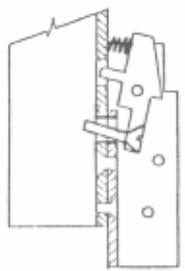
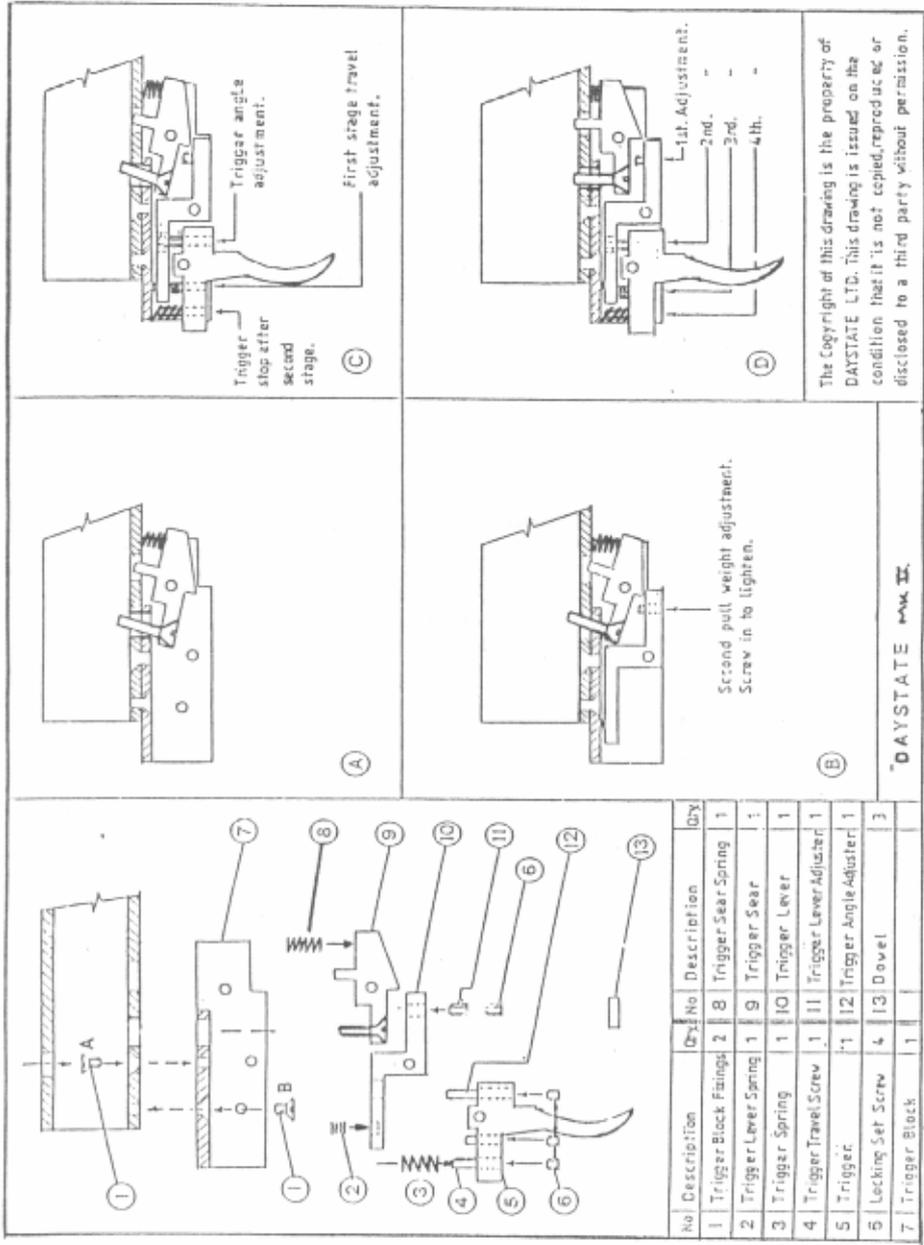
Anti-clockwise will give you more after travel once the gun has been fired.

ALL TRIGGER ADJUSTMENT SCREWS HAVE A LOCKING SCREW. THE LOCKING SCREW NEEDS TO BE REMOVED BEFORE ANY ADJUSTMENTS ARE MADE

ADJUSTMENT TOOL: - 1.5mm Allen Key

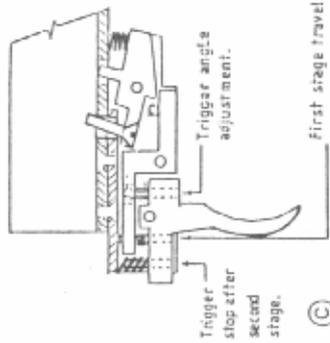


SEE TRIGGER INSTRUCTIONS
FOR EXPLODED DIAGRAM
& PARTS

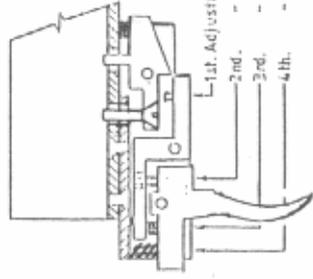


(A)

Second pull weight adjustment.
Screw in to lighten.



(C)



(D)

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DAYSTATE Mk II

No	Description	Qty	No	Description	Qty
1	Trigger Block	1	7	Trigger Angle Adjuster	1
2	Trigger Block Fixings	2	8	Trigger Sear Spring	1
3	Trigger Lever Spring	1	9	Trigger Sear	1
4	Trigger Spring	1	10	Trigger Lever	1
5	Trigger Travel Screw	1	11	Trigger Lever Adjuster	1
6	Trigger Lever	1	12	Trigger Angle Adjuster	1
7	Trigger Block	1	13	Dowel	3

PART NO.	DESCRIPTION	QTY.	PART NO.	DESCRIPTION	QTY.
1	SOUND MODERATOR (Optional Extra)	1	25	FILTER	1
2	MUZZLE BREAK (Optional Extra)	1	26	FRONT VALVE BODY	1
3	SILENCER ADAPTOR (Optional Extra)	1	26a	FRONT VALVE BODY O RINGS	2
4	BARREL CAP	1	27	MAIN AIR CYLINDER	1
5	FIXING SCREWS FOR PARTS 1-4	2	28	PORT BUSH	1
6	BARREL	1	29	PORT BUSH O RING	2
6a	BRASS BARREL INSERT O RING	1	30	STRIKER VALVE BODY O RING RETAINER	1
6b	BRASS BARREL INSERT	1	31	STRIKER VALVE BODY O RING	1
7	FRONT BREECH FIXING SCREWS	2	32	STRIKER VALVE SPRING	1
8	BREECH BLOCK	1	33	STRIKER VALVE SEAL	1
8a	BREECH BOLT COCKING PIN	1	34	STRIKER MAIN VALVE BODY	1
8	BREECH BALL BEARING SPRING	1	35	STRIKER VALVE STEM O RING	1
10	REAR BREECH FIXING SCREW	2	36	STRIKER VALVE STEM O RING RETAINER (BRASS)	1
11	SET SCREW FOR BALL BEARING & SPRING IN BREECH	1	37	STRIKER VALVE BODY FIXING SCREWS	2
12	BALL BEARING	1	38	STRIKER ADJUSTER SCREW	1
13	BREECH BOLT O RING SEAL	1	39	STRIKER ADJUSTER LOCKING SCREW	1
13a	PELLET PROBE	1	40	STRIKER	1
14	BREECH BOLT	1	41	STRIKER GUIDE SCREW	1
14a	BREECH BOLT COCKING KNGB & PEG (Standard on Harrier)	1	42	STRIKER SPRING GUIDE	1
15	BRASS KNURLED BREECH BOLT KNOB	1	43	STRIKER MAIN SPRING	1
16	BRASS SWAN NECK COCKING BOOT (Optional Extra)	1	44	STRIKER SPRING RETAINING CAP	1
17	SWAN NECK COCKING BOOT FIXING SCREW	2	45	SAFETY CATCH BALL BEARING SPRING	1
18	DUST COVER	1	46	SAFETY CATCH BALL BEARING	1
19	DUST COVER O RING	1	47	SAFETY CATCH	1
20	BARREL SUPPORT	1	48	SAFETY CATCH FIXING SCREW	1
21	BARREL SUPPORT FIXING SCREWS	3	48	STOCK FIXING STUD	1
22	MALE SNAP-ON TAIL	1	50	STRIKER MAIN VALVE BODY LOCATION DOWEL	1
23	MALE SNAP-ON TAIL VALVE (STAINLESS STEEL)	1	51	STOCK FIXING NUT	1
24	MALE SNAP-ON TAIL VALVE O RING	1	52	TWO STAGE TRIGGER UNIT COMPLETE	1

DAYSTATE ACCESSORIES

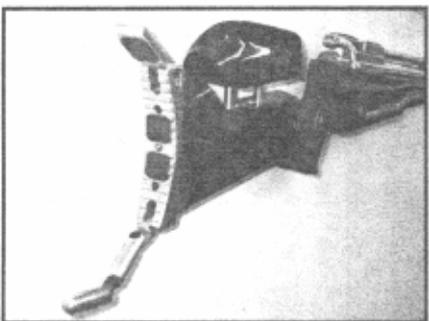
Speedloader

Convert your single shot rifle into a 7-10 multi-shot (depending on calibre and length of pellet). The Speedloader works by shuttling a pellet across from a spring loaded tubular magazine into the rifle's loading tray. Fitted in minutes with no adjustment to the rifle, the Speedloader is available in all calibre's (.177 long pellets only).



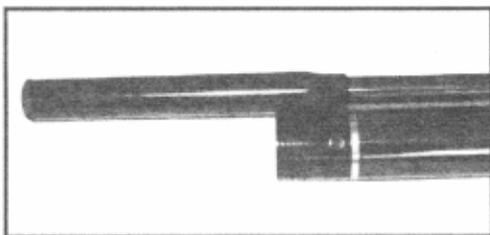
Multi-Adjustable Butt Hook

Made from anodised aluminium, our adjustable butt hook can be tailored to suit any shooter and fits directly onto the standard Wegu carrier used on our target stocks.



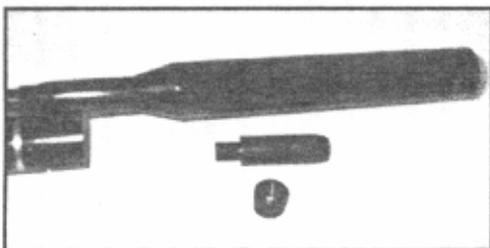
Moderator

The Daystate standard moderator measures just 5" (12.7cm) yet helps to remove much of the muzzle 'crack' generated when the rifle is fired. Made from lightweight aluminium and finished in a gloss or matte finish.



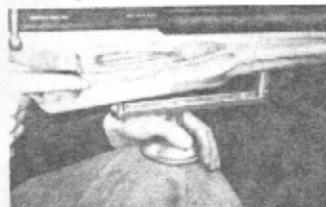
Airstream Silencer

Our super efficient 8" (20.5cm) long Airstream Silencer reduces muzzle noise down to a whisper. The airstream screw fits to a 2" (5cm) long adapter (also available separately) that can be fitted to any Daystate air rifle in minutes. Gloss or matte finish.



Knee Rests

A standard fitment that attaches to the front rail on the CR-X and other target rifles. Helps to stabilise the rifle on sitting & kneeling shots. A Palm rest version is



also available for standing shots.

Woodsmen Rifle Case.

By Gungear



side pockets. This case has a reputation as one of the finest rifle cases available anywhere Embroidered with the Daystate logo.

Daystate Promotional Clothing

Join the team with our best quality embroidered fleece jacket, suede-peaked baseball cap, or summer weight polo shirt.



A high protection rifle bag designed for field use. Opened up it doubles as a ground-sheet or shooting mat. Reinforced waterproof Cordura outer, tough nylon lining backed with two inches of impact absorbing foam. Fitted with three zip-fastened

Other Accessories

<p>1 Pneumatic Hand Pump Latest version of the renowned pneumatic pump for hand charging your Daystate rifle.</p>	<p>2 Huntsman Brass Cocking 'Boot' as supplied with the Huntsman Deluxe to fit all models. Also available CR-X-type bolt handle to fit Harrier, PH6 & Mirage.</p>
<p>3 Compressed Air Bottle - 3 litre 232bar Used to fill your Daystate rifle. This quality steel bottle comes complete with a carrying bag and will give approximately 15 charges before needing refilling</p>	<p>4 Gungear Saddle Bag Shooting Cushion Made from a super strong black waterproof fabric. Filled with expanded polystyrene beads. Fitted with a zip pocket embroidered with the Daystate Logo.</p>
<p>5 Filling Kit - Connects air bottles to your Daystate rifle</p>	<p>6 Silencer Adapter (½ inch) Adapts most silencers to a Daystate rifle</p>

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