

THE WEBLEY RAIDER 10 OWNER'S MANUAL

READ THIS MANUAL BEFORE USING
YOUR NEW AIR RIFLE



WEBLEY AIRGUNS

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Guarantee

The Webley Raider 10 is fully guaranteed against faulty workmanship and defective materials for a period of 1 year from the original date of purchase, provided it has not been misused or tampered with in any way. Should it become necessary, consult the dealer from whom it was purchased. This guarantee does not affect your statutory rights.

THE LAW

***KNOW THE LAW ON AIRGUNS AND OBEY IT.
ACT RESPONSIBLY, ACT SAFELY AND
ENJOY YOUR SHOOTING!***

! WARNING !

THE WEBLEY RAIDER 10 CONTAINS PRESSURISED AIR AND SHOULD ONLY BE DISMANTLED BY A COMPETENT GUNSMITH. DO NOT ATTEMPT TO DISMANTLE THE GUN IF THE RIFLE IS PARTIALLY OR FULLY CHARGED.

SERIOUS INJURY AND/OR DAMAGE MAY RESULT IF THIS INSTRUCTION IS IGNORED.

TAMPER PROTECTION IS FITTED TO THIS RIFLE TO MAKE ANY MODIFICATIONS TO FACTORY SETTINGS EVIDENT.

OUR POLICY IS ONE OF CONTINUAL IMPROVEMENT. WE RESERVE THE RIGHT TO MODIFY THE SPECIFICATION OF THIS PRODUCT WITHOUT PRIOR NOTICE.

USE, CARE AND MAINTENANCE OF

THE WEBLEY RAIDER 10 AIR RIFLE.

SPECIFICATION.

The Webley Raider 10 is a multi-shot, precharged air rifle. It is available in .177 (4.5mm) and .22 (5.5mm) calibres and is designed for use with waisted lead pellets.

The rifle incorporates many special design features which includes:

1. A bolt action cocking and loading system.
2. A 10 shot capacity automatic indexing rotary magazine, easily removable for loading. The magazine may also be reloaded when left in the rifle.
3. An adjustable 2 stage trigger mechanism.
4. A built - in gauge to monitor the cylinder pressure.
5. A precision rifled barrel to ensure pinpoint accuracy.
6. A barrel shroud incorporating a multi – baffle silencer, where allowed.
7. A dovetail, which is incorporated in the barrel housing to fit an optional telescope sight.
8. An ambidextrous, custom style stock incorporating double cheekpieces, chequered pistol grip and single ventilated rubber recoil pad. The stock is available in beech and walnut. The walnut stock also incorporates highly defined cheekpieces.
9. A quick-fill system is fitted as standard.

WEIGHT (no sight fitted):	3.0 kgs	(6.6 lbs)
BARREL LENGTH - RIFLED:	35.0 cm	(13.8")
OVERALL LENGTH:	96.5 cm	(38")

The Webley Raider 10 is designed specifically for use with dry compressed air.

NO OTHER GAS OR GAS COMBINATION MUST BE USED

The rifle may be filled from a divers bottle, a suitable compressor or by using

The Webley Ezy 2 Pump - a hand pump specifically made to fill precharged airguns.

MAXIMUM SAFE WORKING PRESSURE (SWP) : 200 BAR.

RECOMMENDED FILL PRESSURE : 190 BAR.

Approx. number of shots available-12 ft.lbs models*:-

85-shots - .22 (5.5mm) CAL.

***NOTE**

Further shots at lower velocities will discharge after the quoted number of rounds has been fired. It is recommended, however, to refill the rifle at this point as the trajectories and kinetic energies of any further pellets fired will differ significantly from those achieved at full power.

GENERAL INSTRUCTIONS.

Before using your new rifle:

1. Check it is fully charged.
2. Fit your optional `scope and mounts.
3. Appreciate the basic safety rules.

THE BASIC SAFETY RULES ARE:

1. Treat every rifle as if it is loaded.
2. Never point the rifle at anyone, or allow anyone to point a rifle at you, even if you know it is not loaded.
3. Always carry the rifle so that the direction of the muzzle is under control, even if you stumble.
4. Always be sure of your target and what lies behind it before firing your rifle.
5. Never leave a loaded rifle unattended.
6. Beware of targets that tend to cause ricochets.

OPERATING INSTRUCTIONS.

CHARGING THE RIFLE.

Fit the filler nozzle to the air-line of the charging equipment, which must incorporate a pressure gauge. Remove the filler hole plug from the front of the rifle. Ensure both filler nozzle and rifle filler hole are clear from dirt and push the nozzle into the filler hole. Fill the rifle to the cylinder pressure quoted previously in this manual. Do not exceed the maximum fill pressure as this will reduce the velocity of the rifle and may damage rifle components. When using a divers bottle, refill the rifle slowly to prevent the heat created by the filling operation damaging the rifles components. **Undo the hose air drain screw before pulling the filler nozzle out of the rifle.** Refit the filler hole plug to the rifle.

LOADING THE RIFLE AND USING THE MAGAZINE. LOADING THE MAGAZINE.

The magazine incorporates a raised boss on its rear face and can only be fitted one way to the rifle. It rotates clockwise when viewed from the rear of the rifle. The groove on the side of the barrel housing allows you to observe whether the next magazine chamber about to rotate into alignment with the barrel is loaded with a pellet or empty.

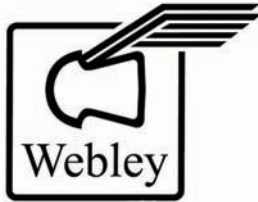
To remove the magazine, open the bolt and push it into the rear cylinder tube slot (safe position). **THIS OPERATION COCKS THE TRIGGER MECHANISM / HAMMER ASSEMBLY. IF THE BOLT IS NOT IN THE SAFE POSITION AND THE TRIGGER IS PULLED, THE RIFLE WILL DISCHARGE.**

**SPARE PARTS LIST AND DIAGRAM
FOR
WEBLEY RAIDER 10 AIR RIFLE.**

THESE PAGES MAY BE DETACHED FOR REFERENCE

Part No	No.OFF	DESCRIPTION	Part No	No.OFF	DESCRIPTION
2100	1	PIN - TRIGGER FULCRUM	3429	1	END PLUG FRONT
2414	1	WOODSCREW - T/GUARD	3432	1	BAFFLE SPACER
2574	1	SPRING - TRIGGER BASE	3433	1	SILENCER END CAP
2620	1	TRIGGER GUARD	3435	1	BARREL STEADY
2663	3	BALL - BOLT SLIDE	3438	1	SILENCER FIXING SCREW
2921	1	WASHER - ADJ.SCREW	3439	1	SILENCER SEATING WASHER
3039	1	NUT - SEAR ADJ. SCREW	3442	3	SHROUD STEADY 'O'-RINGS
3067	1	SCREW TENSIONER	3443	1	SILENCER 'O'- RING
3160	1	MAGAZINE STOP AXIS PIN	3448	2	BARREL SLEEVE 'O'-RINGS
3226	1	BASE - TRIGGER	3459	1	TRIGGER
3228	1	CAGE - TRIGGER MECH	3460	1	TRIGGER SCREW
3233	1	MAIN VALVE HOUSING	3494	3	FILLER PROBE & PLUG 'O' - RING
3234	1	END PLUG - REAR	3630	1	.22 BARREL SLEEVE
3235	6	SCREW - V/BOX & E/PLUG	3631	1	MAGAZINE INDEX LEVER
3238	1	SEAR	3634	1	.22 MAGAZINE
3252	1	BOLT HANDLE	3635	1	MAGAZINE STOP
3253	1	SPACER - BOLT	3647	1	INDEX LEVER WASHER
3255	1	HAMMER	3658	1	PELLET PROD EXTENSION
3256	1	SLIDE - BOLT	3667	1	.22 BARREL HOUSING
3266	2	VALVE SPRING BACKPLATE	3668	1	SIDEPLATE
3272	2	SCREW - PROD & B/HSNG	3669	1	.22 PELLET PROD
3273	2	SCREW - BARREL CLAMP	3670	1	.22 BARREL
3274	2	ADJ. SCREW, TRIG & SEAR	3676	1	AIR TRANSFER PORT - UK SPEC
3276	2	PIN - TRIGGER MECH CAGE	3677	1	SIDEPLATE BOSS SLEEVE
3277	3	PIN - SEAR FULCRUM & STOP	3678	1	INDEX LEVER SPRING
3278	1	SCREW - B/HSNG FRONT	3679	1	STOCK ASSEMBLY
3279	1	SCREW - BOLT	3685	1	VALVE DAMPER
3280	2	BACKPLATE RET. CIRCLIP	3686	1	BARREL HOUSING PLUG
3281	1	SPACER - PROD SCREW	3688	1	MAGAZINE STOP SPRING
3286	1	VALVE 'O' - RING	3689	1	MAGAZINE AXIS PIN 'O'-RING
3291	5	CYLINDER & MAG 'O' - RING	3690	3	SIDEPLATE FIXING SCREWS
3292	1	FILLER PROBE	3691	1	GAUGE ADAPTER
3294	1	FILLER VALVE SEAL	3692	2	GAUGE & ADAPTER SEAL
3296	1	HAMMER SPRING	3694	1	FRONT STOCK SCREW INSERT
3297	1	VALVE SPRING	3695	1	PRESSURE GAUGE
3298	1	FILLER VALVE SPRING	3696	1	CYLINDER TUBE
3299	1	SEAR SPRING	3697	2	STOCK SCREW
3301	1	SPRING - PELLET PROD	3698	1	PELLET PROD EXTENSION SCREW
3303	1	ADJ. SCREW H/SPRING	3699	1	TRIGGER BLADE SPACER
3304	1	VALVE SEAL ASSEMBLY	3700	1	.177 BARREL HOUSING
3305	1	22 PELLET PROD SEAL	3701	1	.177 PELLET PROD
3312	1	WASHER - BOLT SCREW	3702	1	.177 BARREL SLEEVE
3318	1	FILLER PLUG - BLACK	3703	1	.177 MAGAZINE
3328	2	AIR TRANSFER PORT 'O'-RING	3704	1	.177 BARREL
3329	1	177 PELLET PROD SEAL	3705	1	INDEX LEVER CONNECTOR ASSY
3427	3	BAFFLE	3706	1	MAGAZINE AXIS PIN ASSY

			3707	1	BARREL SHROUD ASSY
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Place the middle finger of the left hand supporting the rifle to the open side of the magazine. Pull the magazine axis pin open with the right hand – the magazine will be ejected from its barrel housing slot against the left hand finger. The magazine can then be removed from the barrel housing.

Load the pellets through the rear of the magazine. Push the pellet noses through the retaining 'O' ring until their skirts lie flush or below the bottom of the magazine face. Once reloaded, refit the magazine to the rifle and retain it with the magazine axis pin. If necessary, rotate the magazine counter-clockwise until its movement is arrested by the magazine stop.

DO NOT CLOSE THE BOLT UNTIL YOU ARE READY TO USE THE RIFLE. ENSURE THE BOLT IS FULLY CLOSED BEFORE FIRING THE RIFLE AS ITS PERFORMANCE WILL BE AFFECTED IF NOT FULLY CLOSED.

To reload the rifle, pull the bolt fully open before pushing it forwards - this ensures the sear engages with the hammer assembly and the magazine has indexed to the next pellet chamber. Once the bolt is closed the rifle is ready to fire.

As the pellets are used and the magazine rotates, its empty chambers become visible above the barrel housing. These chambers may be refilled as they are revealed without removing the magazine if desired.

NOTE

Do not cycle the bolt until the pellet in the barrel chamber has been fired. Reloading the rifle continually without firing will push another pellet/pellets into the barrel bore. This action will block the barrel and it will be necessary to dismantle the barrel from the rifle to remove the blockage.

If the magazine is unintentionally indexed, adopt either of the following procedures to prevent another pellet from entering the barrel chamber:

- a) With the bolt fully open, rotate the magazine clockwise by hand until the empty chamber is back in line with the barrel, then close the bolt.
- b) Remove the magazine from the rifle, close the bolt, point the rifle at a target, then fire the rifle. Refill the magazine and refit to the rifle.

SAFETY.

In the interest of safety, never store or leave the rifle unattended with pellets left in the magazine or barrel chamber. To make a loaded rifle safe, open the bolt and remove the magazine. If a pellet has been loaded into the barrel, close the bolt, point the gun at a safe target and fire the rifle.

If desired, refit the empty magazine to the rifle, hold the bolt handle in the most rearward position against the hammer spring pressure, then pull the trigger. Allow the hammer spring pressure to slowly close the bolt assembly. Alternatively, close the bolt, point the rifle towards a safe target and fire the rifle.

It is recommended to store the magazines separately from the rifle to prevent unwarranted use

NOTE.

1. ALWAYS ENSURE THE MAGAZINE AND THE BARREL ARE NOT LOADED WITH A PELLET BEFORE PROCEEDING WITH ANY ADJUSTMENTS TO THE TRIGGER MECHANISM.

2. IF THE SEAR ENGAGEMENT SCREW IS ADJUSTED, ENSURE A SUFFICIENT AMOUNT OF SEAR ENGAGEMENT WITH THE HAMMER IS MAINTAINED TO ENSURE THE TRIGGER PULL HAS NOT BEEN SET DANGEROUSLY SENSITIVE. TEST FIRE THE RIFLE PRIOR TO RELOADING THE MAGAZINE.

ADJUSTING THE POWER.

The mechanism of this rifle has been factory set to ensure its power falls within the current U.K. 12 ft.lbs. maximum kinetic energy limit allowed without possessing a firearms certificate. The factory setting is tamper protected – any modifications made to the factory setting will be evident and will invalidate your guarantee.

GENERAL MAINTENANCE.

WARNING!

NEVER ATTEMPT TO STRIP THIS RIFLE WHILST IT IS PARTIALLY OR FULLY CHARGED. SERIOUS INJURY AND/OR DAMAGE MAY RESULT IF THIS INSTRUCTION IS IGNORED.

IF THE RIFLE DEVELOPS A FAULT.

Should the rifle develop a fault within the guarantee period, consult the dealer from whom it was purchased. The guarantee does not cover parts inadvertently damaged, nor rifles incorrectly assembled by the owner.

This rifle should only be dismantled by Webley personnel or by a competent gunsmith. All components that may affect the performance of the rifle are tamper evident to prevent unwarranted modifications.

TRIGGER MECHANISM ADJUSTMENT.

The Webley Raider 10 is fitted with a 2-stage trigger mechanism and is factory set. The mechanism is adjustable if you wish to alter the factory settings.

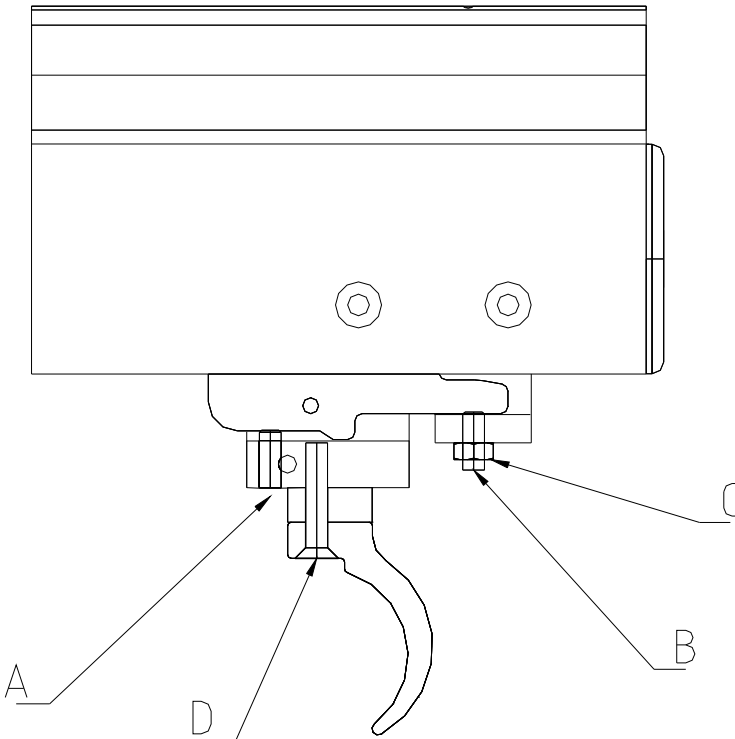
To adjust the trigger mechanism, the action must first be removed from the stock. The diagram below shows the location of the trigger adjusting screws.

A - 1st STAGE TRIGGER ADJUSTMENT SCREW

**B - SEAR ENGAGEMENT SCREW.
(2nd STAGE TRIGGER ADJUSTMENT).**

C – SEAR ENGAGEMENT SCREW LOCKNUT.

D – TRIGGER BLADE SCREW.



LUBRICATION.

DO NOT APPLY LUBRICATION TO THE AIR FILLER NOZZLE OR THE RIFLES' AIR FILLER HOLE.

DO NOT LUBRICATE THE RIFLE EXCESSIVELY

Use only mineral based oils such as “Weboil” to lubricate the Raider. Occasionally apply oil sparingly to the following parts:-

1. The trigger mechanism - remove the stock for access.
2. With the stock removed, apply oil to the rear of the hammer and hammer spring assembly through the trigger mechanism slot in the body tube.
3. Close the bolt and apply oil through the cylinder bolt slot onto the bolt carrier. Cycle the bolt several times to spread the oil.
4. With the bolt open apply oil to the front of the hammer assembly.
5. Remove the magazine and apply oil to the front of the pellet probe where it contacts the prod seal which is housed in the barrel sleeve, just visible through the magazine slot . Cycle the bolt several times – this operation will lubricate the pellet prod and its ‘O’ ring.
6. Open the magazine axis pin and apply oil onto its stem.
7. Lightly lubricate the magazine axis hole and its ‘O’ ring.

LUBRICATING THE MAGAZINE INDEX MECHANISM

Use grease to lubricate the index mechanism components.

To lubricate the magazine indexing mechanism and Magazine stop, undo the 3 - sideplate fixing screws and withdraw the sideplate assembly from the barrel housing. Inspect the condition of all visible parts for wear, particularly the Boss Sleeve and replace if necessary.

QUICK FILL PROBE ‘O’ RINGS REPLACEMENT.

After a period of time it will be necessary to replace the ‘O’ rings on the Quick-fill probe. This will be apparent if compressed air is heard to leak from the probe, or the probe is ejected from the rifle during the filling process. Always replace both ‘O’ rings.

MAGAZINE ‘O’ RINGS REPLACEMENT.

The ‘O’ ring, which retains the pellets in the magazine, will need to be replaced after many hundreds of rounds have been fired. Its replacement becomes apparent when the rifle’s bolt becomes stiff to operate. Repositioning the ‘O’ ring in its groove may also overcome the stiffness. Lightly oil the replacement ‘O’ ring before fitting.

CLEANING THE SILENCER BAFFLES

The silencer baffles may be removed from the barrel shroud for cleaning. To remove the silencer baffles, unscrew the silencer end cap from the barrel shroud. There are 3 baffles housed in the shroud, together with the baffle spacer and silencer ‘O’- ring.