



# AIR ARMS

## Users Handbook

This handbook refers to the TX Ultimate Springer  
Models



*Shown with optional sight*

PLEASE READ THIS MANUAL BEFORE USING YOUR NEW RIFLE, IT  
CONTAINS IMPORTANT SAFETY INFORMATION AND INSTRUCTION ON  
ADJUSTMENT AND MAINTENANCE.



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*AIR ARMS RESERVE THE RIGHT TO ALTER THE CONSTRUCTION, APPEARANCE OR PERFORMANCE OF ANY PRODUCT WITHOUT PRIOR NOTIFICATION. ALL ILLUSTRATIONS ARE FOR INFORMATION PURPOSES ONLY AND DO NOT NECESSARILY SHOW THE EXACT MODEL THAT WAS PURCHASED.*

## Gun Security

It is important to make sure that your gun is always kept safely and securely when not in use.

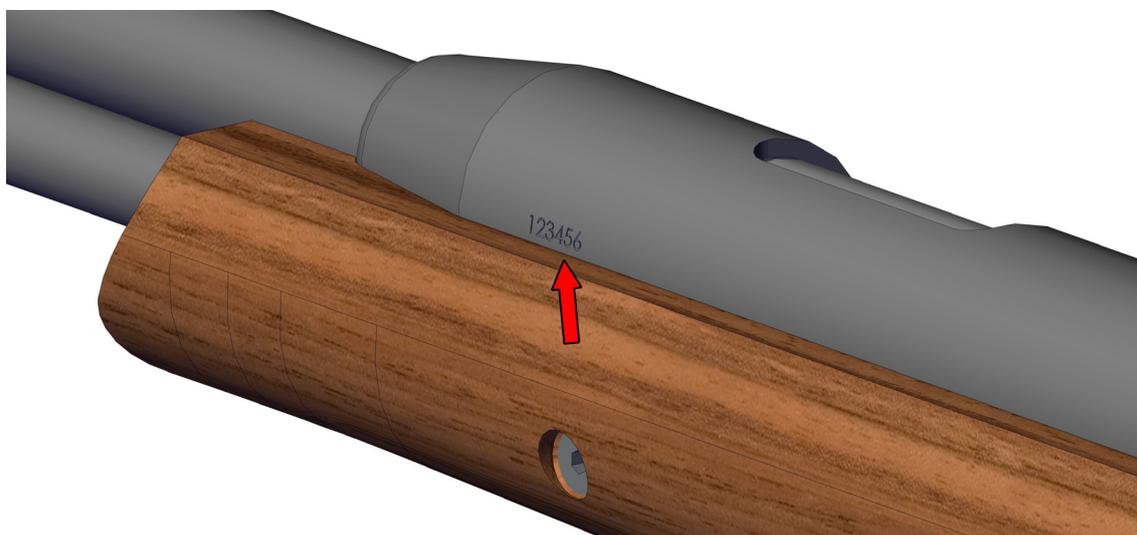
For rifles purchased in the UK and that are NOT FAC rated (high power) a free gun lock and mounting eyes are supplied. Please follow the simple fixing instructions and keep our sport safe.

**Note: If there is no gun lock in the box please contact the dealer you purchased the rifle from.**



## Serial Number

When corresponding with Air Arms please quote the serial number of your rifle.



## Safety First

- Always treat your air rifle or pistol as if loaded. Never assume it is clear. CHECK.
- When first picking an air rifle or pistol up, check to make sure it is not cocked or loaded.
- Never leave your rifle or pistol cocked or loaded.
- Never leave a cocked or loaded rifle or pistol unattended.
- Always point your rifle or pistol in a safe direction. Never point the gun at anyone.
- Always know the backdrop to your shooting. Make sure you know where your pellets are going.
- Be aware of ricochets.
- Always conduct yourself in a sportsman like manner.

Be aware that your actions will be under the scrutiny of other members of the public who may not share your enthusiasm for air gun shooting. Bad practices promote bad publicity. Do not jeopardise your future enjoyment by misusing this rifle.

## Contents of the Box

- TX200 or Hunter Carbine Ultimate Springer x 1
- User Handbook
- Tool Kit
  - Allen Keys 1.5mm x 1
  - 2.5mm x 1
  - 3mm x 1
  - 4mm x 1
  - 5mm x 1

## Important Information

***WARNING! - UNAUTHORISED DISASSEMBLY OF THIS RIFLE WILL INVALIDATE THE MANUFACTURERS WARRANTY. THIS INCLUDES ANY ANTI-TAMPER DEVICES FITTED.***

Before leaving the factory this rifle was quality inspected and test fired using Air Arms pellets to check operation and final adjustment.

It was dispatched in a sealed purpose-designed box. Air Arms may not be responsible for any damage to the contents or missing items if the box is not original if it is damaged or if the seals are not intact.

Air Arms cannot be held responsible for damage or missing items due to transit damage, mishandling or being tampered with after leaving the factory.

If this rifle is not received in the original box with the seals intact, please examine carefully for any damage, missing tools or documentation.

In the first instance, any problems or complaints regarding this product should be referred to the supplier.

The air cylinder is a highly pressurised unit that must not be modified in any way. Serious personal injury may result if this, and the advice below is not followed.

## Important Information (Continued)

Do not pressurise the cylinder if there are any surface abrasions or dents. Contact Air Arms for advice.

Do not store the rifle in places with, or near sources of high temperature such as fires or boilers.

Air Arms recommend using a dry pack filter kit on any hand pumps used to fill our air rifles.

If accessories not manufactured by Air Arms are used on this rifle, Air Arms can not be held responsible for any loss of performance or damage to your rifle. Contact your supplier or Air Arms for any advice on this matter.

Do not store this rifle in a damp place such as a garden shed or garage.

Do not store this rifle in a plastic or PVC gun bag without first applying a surface corrosion inhibitor.

Always ensure the loading bolt is fully closed before firing.

Do not attempt to dismantle when pressurised.

The spring used to power spring power rifles can be under extreme tension. Do not dismantle the rifle without the correct equipment and knowledge.

Do not pressurize beyond the stated filling pressure (see filling instruction section). Damage caused by such action is not covered by the manufacturers warranty.

Only use clean, filtered and dry compressed air. Never use any other gas, particularly industrial or welding gases such as oxygen, carbon dioxide, acetylene, hydrogen, argon, etc.

If compressed air is being used other than from a diving shop, the inside of the cylinder should be inspected for corrosion at least annually. If in doubt contact Air Arms for advice.

In any event, the cylinder should be inspected every two years. Air Arms can provide this service at a reasonable cost.

To maintain this rifle in good working order it should be serviced annually by a competent gunsmith, your supplier may be able to provide this service or contact Air Arms.

A reasonable amount of advice will be provided to enable the end user to service their rifle, however, this is at the discretion of Air Arms and may not be given in all cases.

The velocity of this rifle has been set using Air Arms Field pellets. If any other make or type of pellet is to be used the rifle must be re-tested, to ensure the muzzle energy is within the limits determined by current legislation.

Due to the nature of hand pumps and their relative inefficiency in removing moisture from the compressed air, the chances of corrosion damage to the cylinder and other internal components are increased. Therefore the rifle should be regularly serviced and/or checked for any signs of damage by a competent gunsmith.

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## CHECKING VELOCITY

1. Use a reliable chronograph to check velocity, (the formula below requires the reading to be in feet per second - FPS)
2. Use fine measurement scales to weigh the pellet, If scales are unavailable the pellet weight may be stated on the pellet container lid or contact the supplier. (The formula requires the weight to be in grains). To convert from grams to grains multiply by 15.432, i.e. 0.69 grams x 15.432 = 10.65 grains.
3. To find the muzzle energy in ft/lbs use the formula  $(FPS \times FPS \times Grains) / 450240$ , i.e.  $(700 \times 700 \times 10.65) = 5218500$  divided by 450240 = 11.59.

*CURRENT LEGISLATION LIMITS NON-FAC HOLDERS, IN THE UK, TO AIR RIFLES WITH A MAXIMUM OF 12ft/lbs MUZZLE ENERGY.*

**WARNING!** IT IS A VERY SERIOUS OFFENCE TO BE IN POSSESSION OF AN AIR RIFLE THAT YOU ARE NOT CERTIFICATED FOR. CONVICTION CAN RESULT IN CONFISCATION OF YOUR RIFLE, A HEAVY FINE OR IMPRISONMENT, OR EVEN A COMBINATION OF ALL THREE.

### \*\*\*\*\* LIMITED LIABILITY WARRANTY \*\*\*\*\*

UK Customers only.

*This product is warranted to the retail customer for 3 years from the date of purchase against defects in materials and workmanship and is transferable to any subsequent owner.*

*Proof of purchase is required to receive warranty repairs, retain your purchase invoice and complete the warranty registration online as soon as possible after purchase. The warranty details must show the dealer/supplier name and address and date of purchase.*

#### **What is covered**

Replacement parts & labour on a 'back to base' basis, return transportation to the consumer (mainland UK only).

#### **What is not covered**

Transportation from the consumer to Air Arms.

Damage caused by misuse, abuse, lack of routine maintenance, transit damage between the dealer/supplier and the consumer or unauthorized disassembly.

Parts subject to normal wear and tear.

Any other consequential cost incurred by the consumer.

Return transportation to consumers outside mainland UK.

No warranty is implied as to the fitness for any particular purpose.

## Operating Instructions

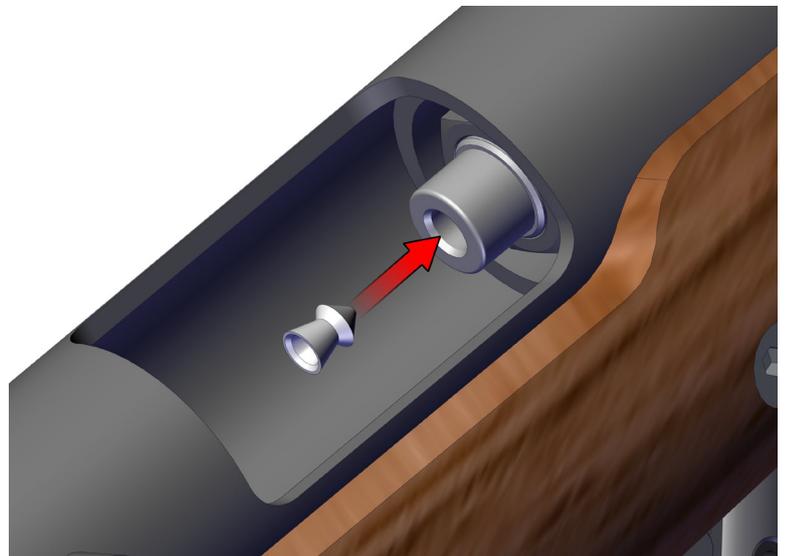
To cock the rifle, hold it securely in one hand and with the other pull the cocking arm downwards and back until the trigger mechanism engages and the safety catch button pops out. When the safety button is pushed in the safety device is disengaged, the red indication mark will now show on the right-hand side of the action. The gun is now ready to fire. If the red button is not showing the safety is engaged and the rifle will not fire.

In addition to the safety catch that disables the trigger mechanism, this rifle has a 'safety lock' that provides a full mechanical lock to the sliding breech at the end of the cocking stroke. This safety device gives additional security when inserting a pellet, however, the user is still advised to keep hold of the cocking arm as illustrated above. Be sure that you do not obstruct the safety catch button and prevent it from working during the cocking process.

Do not hold the rifle by the pistol grip whilst cocking, you may accidentally touch the trigger and cause the rifle to fire during the loading sequence.

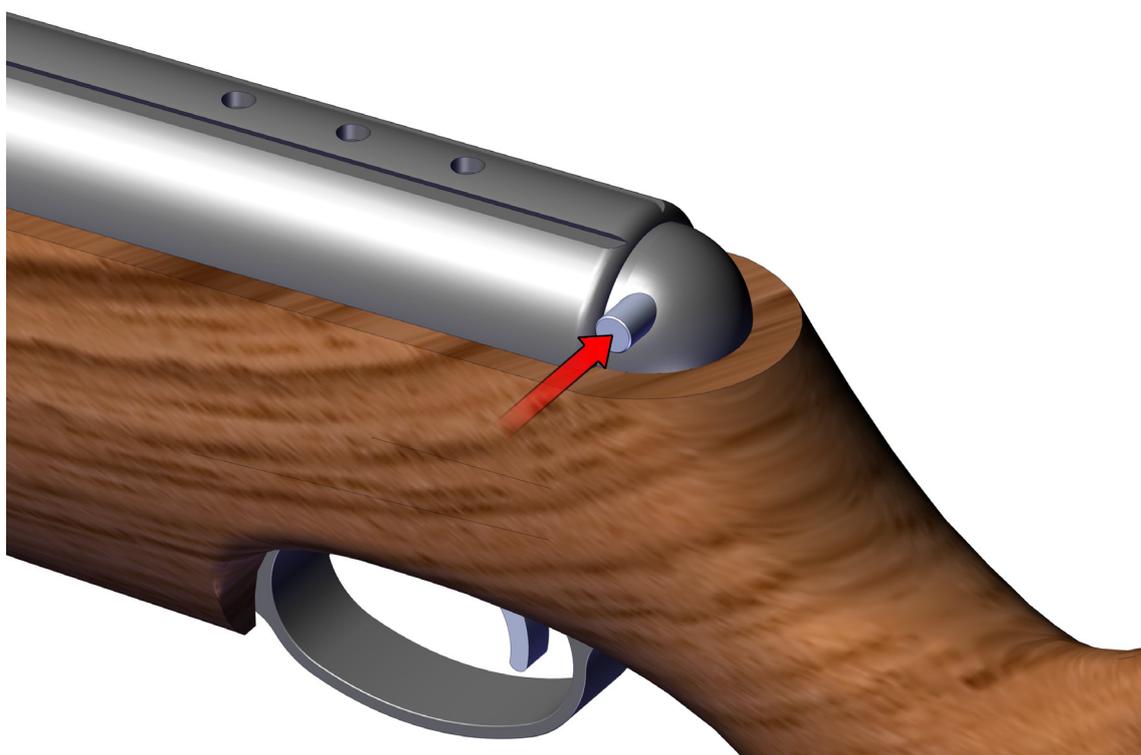
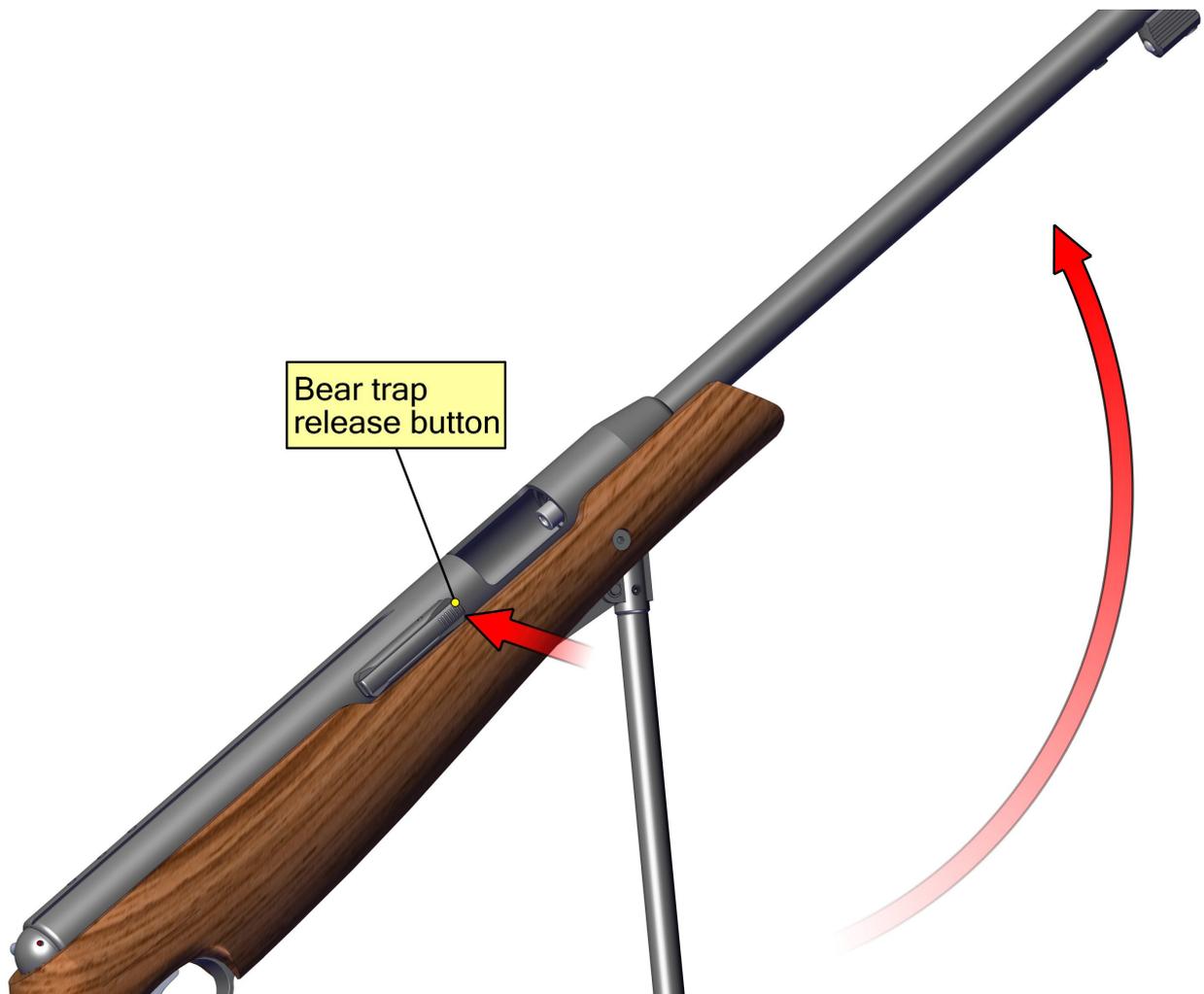
The cocking action opens the breech and exposes the barrel ready to insert a pellet. To close the cocking arm it is necessary to depress the front end of the safety lock (Bear trap) and keep it depressed until the cocking arm is fully closed. Ensure that the indent ball is located in the indent. Serious damage will result if the rifle is fired with the cocking arm partly open.

Release the safety catch by pushing the button in fully. The rifle is now ready to fire. The safety catch cannot be re-engaged without re-cocking the rifle so do not release the safety catch before you need to.



### In the interests of safety

1. Check the safety button before inserting a pellet
2. Keep hold of the cocking arm whilst inserting a pellet.



## Trigger Adjustment

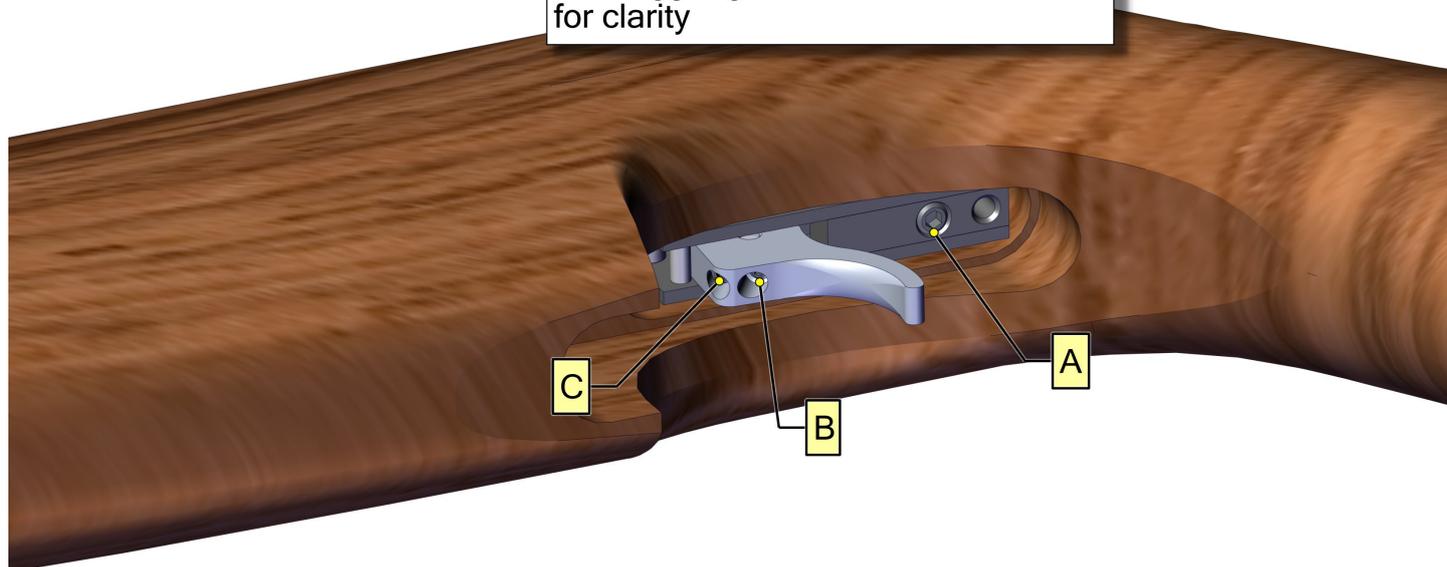
The trigger is a two-stage system with adjustments on both stages. Be aware that adjustment to one screw will affect the adjustment of the other and the trigger will only work properly if there is the correct balance between the two. If you have no experience in adjusting two-stage triggers seek guidance or leave the trigger as set by the factory. Incorrect adjustments can make the rifle unsafe.

There are three adjusting screws. Screw (A) the weight-of-pull screw. This is under the rear of the trigger guard and the guard must be removed to make adjustments. Clockwise movement increases the weight. Screws (B) & (C) are in the trigger blade itself. Screw (B) adjusts the exact pull-off point. Clockwise decreases the pull-off point. Screw (C) adjusts the length of first stage travel, again clockwise decreases the length of first stage travel.

Remember that small adjustments will make a noticeable change to the operation of the trigger. Only make 1/4 turn adjustments at a time and test fire the rifle before making further adjustments. Jot down all adjustments on a piece of paper so that you can retrace your steps if necessary.

**NOTE!** IF THE TRIGGER GUARD IS REMOVED AND THEN REPLACED, THE REAR SCREW (TX460) MUST BE TIGHTENED BEFORE THE FRONT SCREW (TX440). DO NOT OVER-TIGHTEN THE FRONT SCREW. THIS SCREW PULLS THE ACTION INTO THE STOCK AND ONLY NEEDS TO BE TIGHT ENOUGH TO STOP MOVEMENT WITHIN THE STOCK.

The trigger guard has been removed for clarity



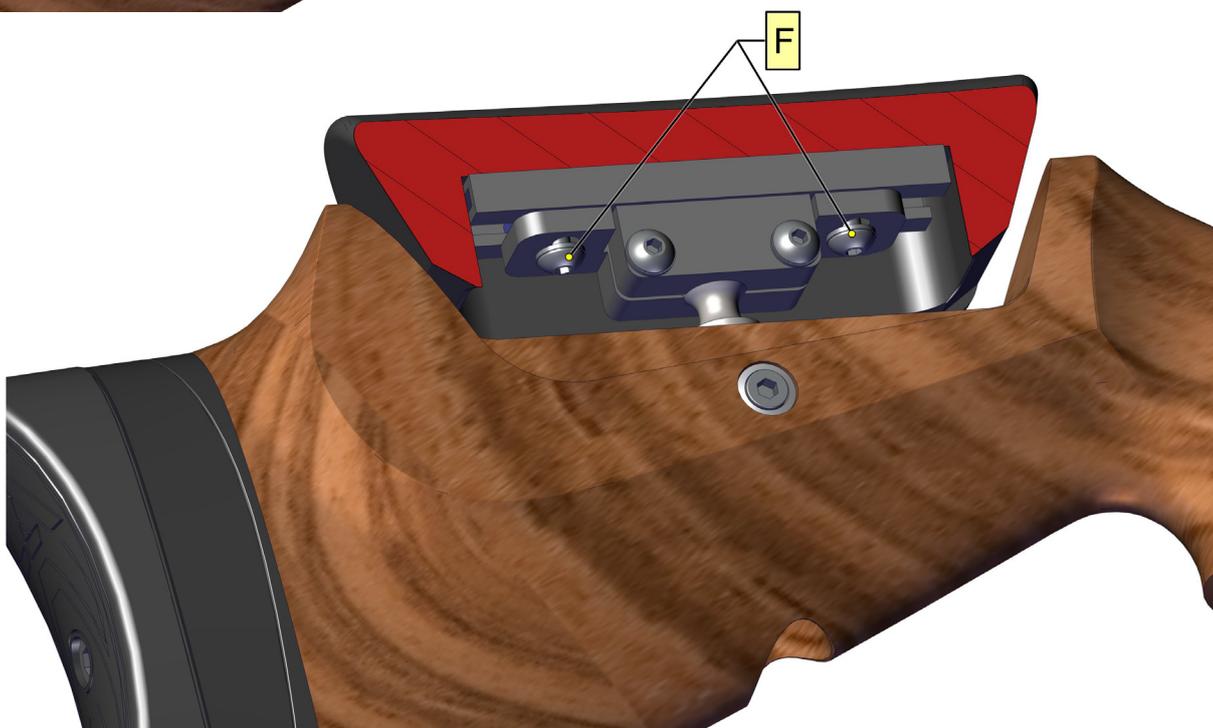
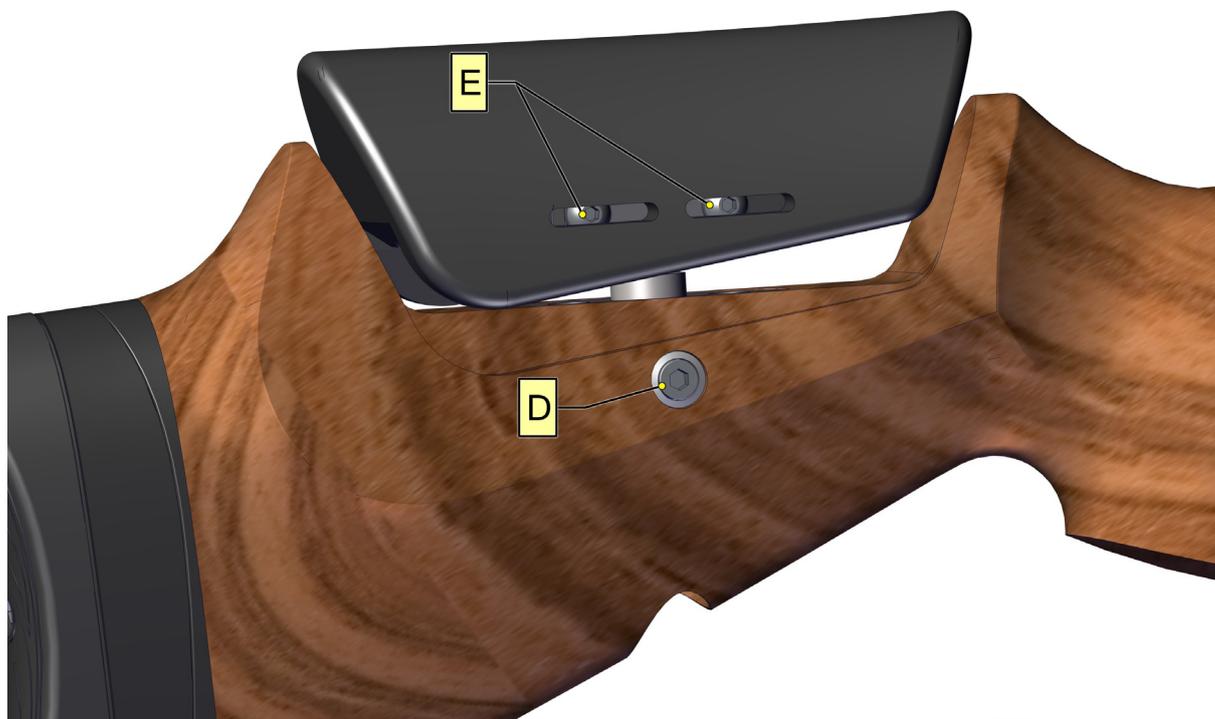
## Stock Adjustment

The stock of the TX Ultimate Springer features an adjustable cheek piece mounted on a ball joint allowing adjustment in 5 planes; up-and-down, side-to-side as well the ability to move the cheek-piece on the ball to tilt, twist and pivot in many directions.

Two allen key sizes are required; 4mm and 3mm. When adjusting the assembly, only loosen the screws enough to allow movement. This way it is easier to control the final position.

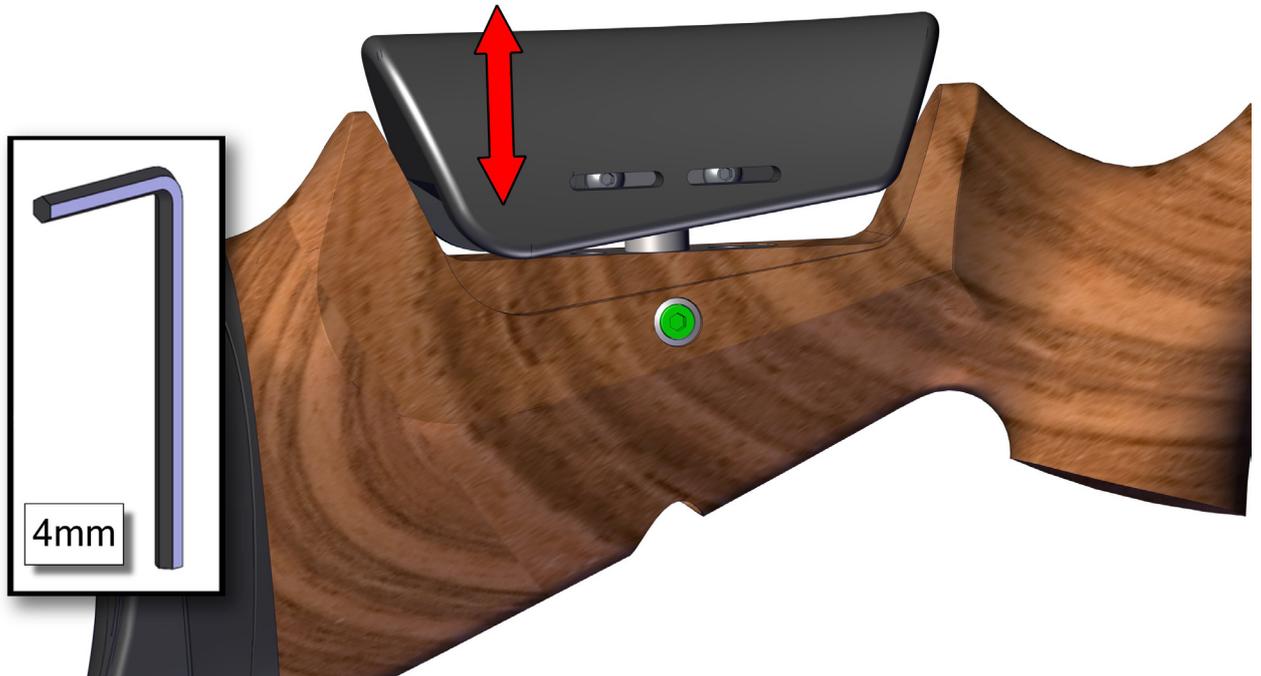
### Adjustment Screw Identification

There are three sets of screws used to fix the cheek-piece in position. Screw 'D' controls the vertical movement, screws 'E' controls any movement on the ball and screws 'F' allow movement of the internal rail in the cheek piece.



## To Raise the Cheek Piece Assembly

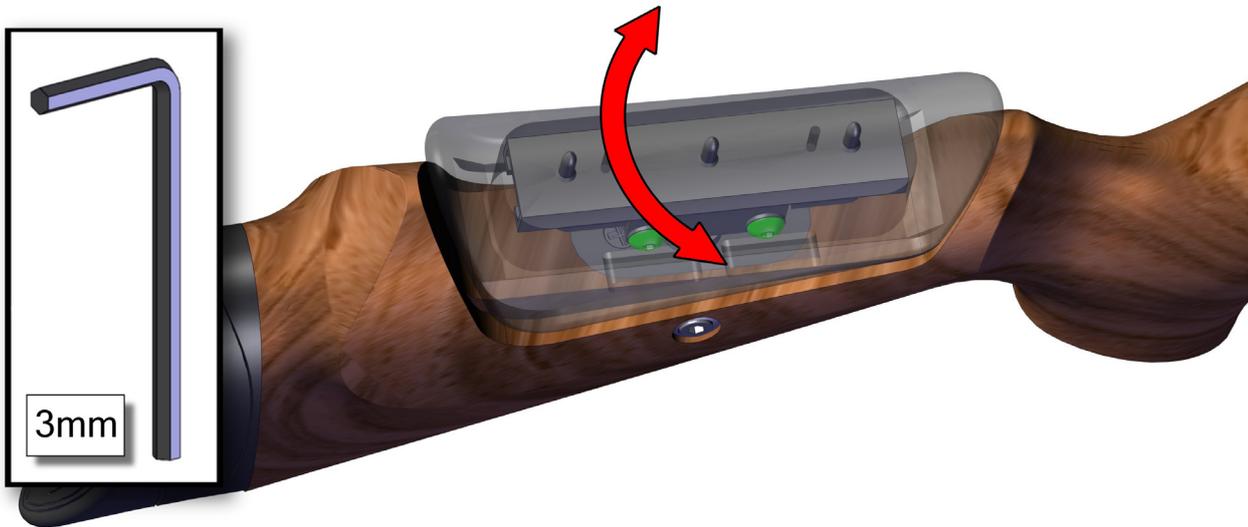
Loosen screw 'D' using a 4mm allen key. Move the assembly to the desired position and retighten the screw.



## Adjusting the Cheek Piece Ball Joint

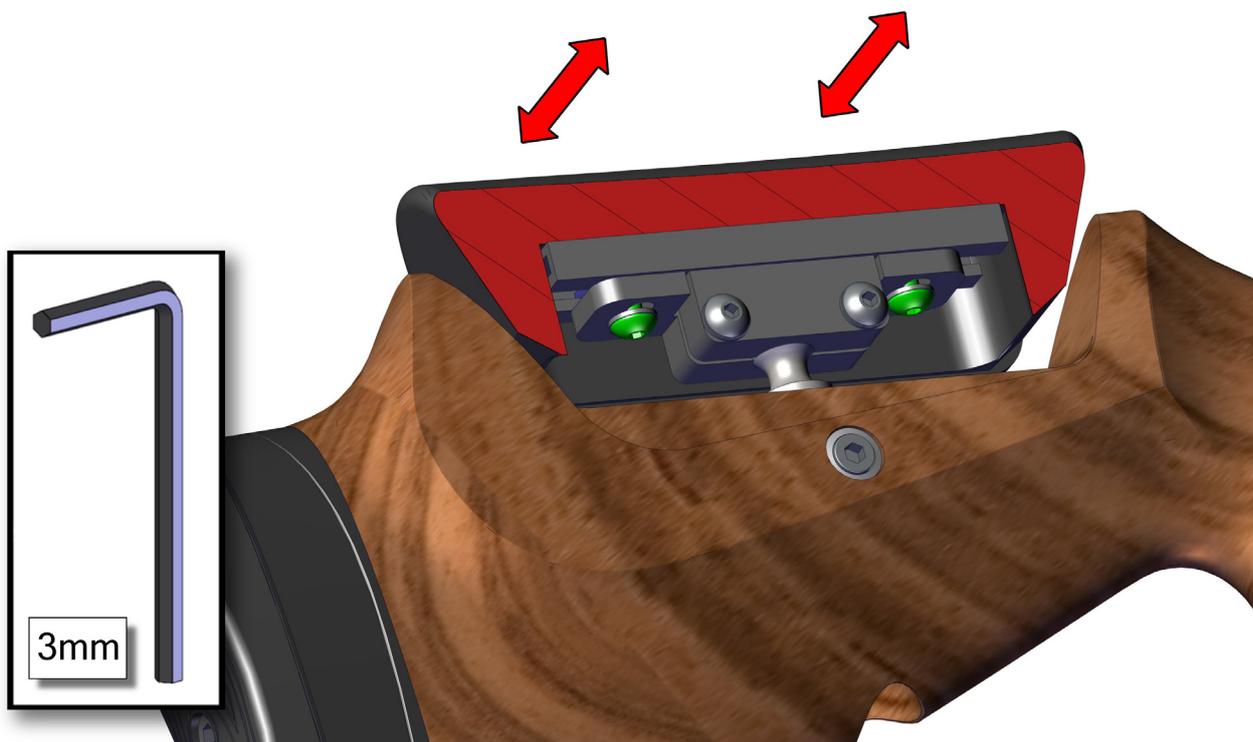
Loosen screws 'E' using a 3mm allen key. The cheek-piece will now move on the ball joint. Position the cheek-piece as required and then retighten the screws. Tighten the screws evenly to apply uniform clamping.





### Adjusting the Side-to-Side Movement

Loosen screws 'F' with a 3mm allen key. This will allow the rail to move from side to side. Move the cheek piece to the desired location and retighten the screws.

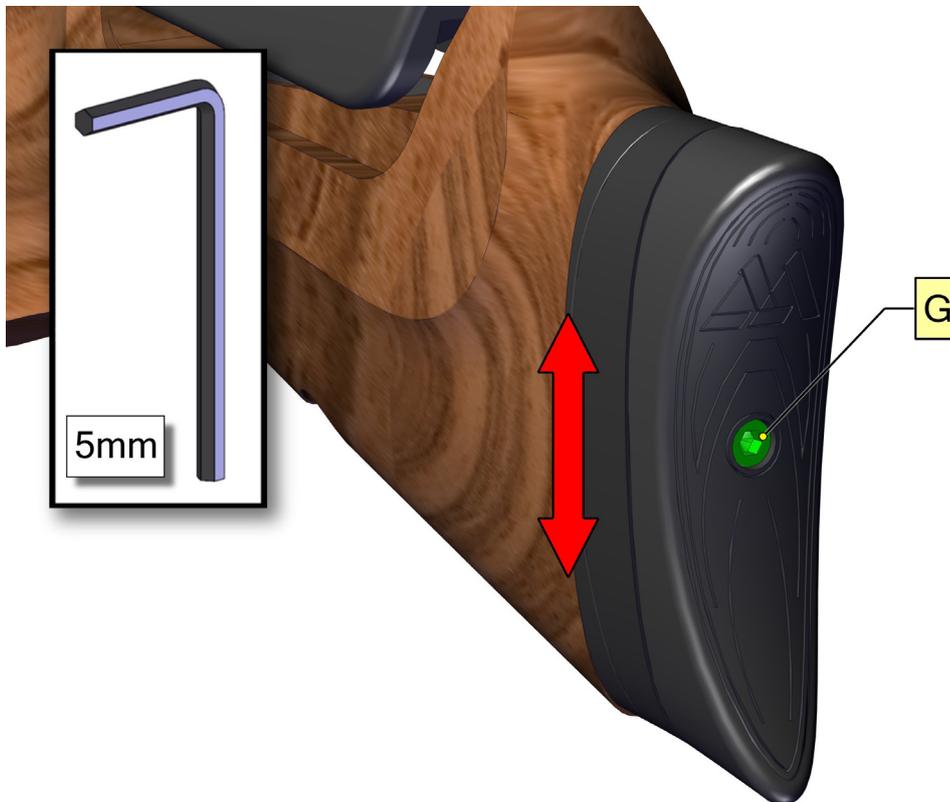


## Adjusting the Butt Pad

The butt pad on the TX Ultimate Sporter can be adjusted to offer to sort each shooter.

### Vertical Adjustment

Loosen screw 'G' using a 4mm allen key. This will allow the pad to move up or down. Position the pad as required and retighten the screw.

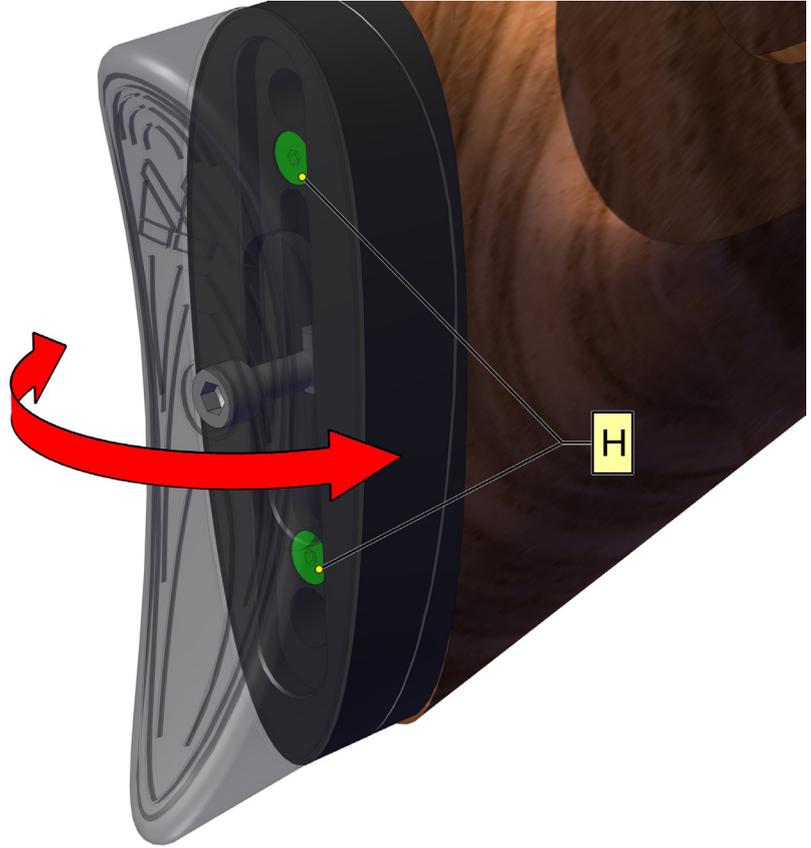
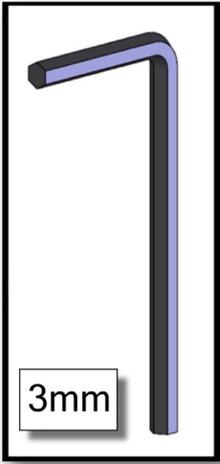


### Adjusting the Lateral Movement

The butt pad base pivot can tilt from side to side offering lateral adjustment of the pad.

To tilt the pad we must first remove the butt pad itself from the base pivot.

1. Remove screw 'G' from using a 5mm allen key.
2. Remove the butt pad from the rifle. This will expose the butt pad base pivot. Note, the nut that screw 'G' fits into will slide to the bottom of the slot in the base pivot.
3. Now, using a 3mm allen key, loosen screws 'H' until the base pivot can move.
4. Position the base pivot at the desired angle and retighten the screws.
5. Pass screw 'G' through the butt pad and locate it into the nut at the bottom of the slot in the base pivot.
6. Retighten the screw most of the way.
7. Slide the butt pad to the desired location and fully tighten the screw 'G'.



## General Maintenance

Regularly check the tightness of all fixings. Do not over-tighten, some parts are made from aluminium, stripped threads will result from over-tightening. Periodically clean the barrel with a good cleaner and pull through. Do not apply lubricant to the barrel seals or allow lubricant to penetrate to the piston seal as dieseling may result. Dieseling is caused by oil or grease igniting in the compression tube when the rifle is fired. This process is very damaging and should be avoided at all costs.

A couple of drops of oil must be applied to the safety catch button regularly to ensure safe operation. Preferably just before each shooting session.

After each outing with the rifle, it is advisable to clean the exterior metalwork. Ensure any dirt or dust is gently removed and wipe the entire surface using an oily rag. Pay particular attention to areas that have become damp/wet or have been touched by your skin as the natural oils can affect the metal. If the rifle has become very wet it would be advised to remove the action from the stock.

### Barrel

For ultimate accuracy, clean and re-lube the barrel frequently. It is difficult to advise how often is best for every circumstance, but every 250 shots is not too often if the desire is to keep the barrel in the best possible condition.

The correct materials are very important. Air arms only use products made by Napier. Listed below is the Napier product.

<i>CLEANER:</i>	<i>Napier Power Airgun Oil</i>
<i>OIL:</i>	<i>Napier Power Airgun Oil</i>
<i>PULL-THROUGH PAD:</i>	<i>Napier Rifle Clean</i>
<i>PULL-THROUGH LINE:</i>	<i>Napier Power Pull-Through Kit</i>

As a rule cleaners and oils intended for shotguns and small/full-bore weapons are not suitable.

Cleaning the TX or Hunter Carbine is best carried out with the breech open to avoid oil/cleaner making its way into the compression tube. Oil in the compression tube can cause the rifle to diesel. Dieseling occurs when oil is rapidly compressed and possibly ignites. Whilst no harm will come to the user, this can damage the piston seal or barrel seals to the point where they will need replacing.

Take care to ensure the safety button above the trigger is always in the safety position.

1. Cut a piece of line three times the length of your barrel, fold it in half and tie the ends together or use the Napier pull-through.
2. Remove silencer if one is fitted and feed the pull-through down the barrel from the muzzle end until it protrudes from the barrel in the breech. This can be tricky as the barrel starts a little way down inside the shroud.
3. Cut a 100mm length of 'Rifle Clean' or 100 x 50mm piece of cloth and pass it through the protruding loop. Spray the pad with 'Gun Cleaner' or white spirit and slowly pull the pad through the barrel. It is a good idea to pull the loop-free from the breech when applying the oil/cleaner to avoid getting excess oil/cleaner in the breech area.

1. Repeat steps 2 & 3 until the pad is clean.
2. Repeat steps 2 & 3 once more without any cleaner on the pad to dry the barrel.
3. Repeat steps 2 & 3 once more with the pad sprayed with 'gun oil' or 3 in 1 oil.

**IMPORTANT:** The rifle is cocked while you carry out this process so extreme care is needed. If possible have an assistant help to monitor the safety button. Once cleaning is complete load and safely discharge the rifle. Leaving the rifle cocked during the cleaning process will not harm the spring.

## Stock Removal

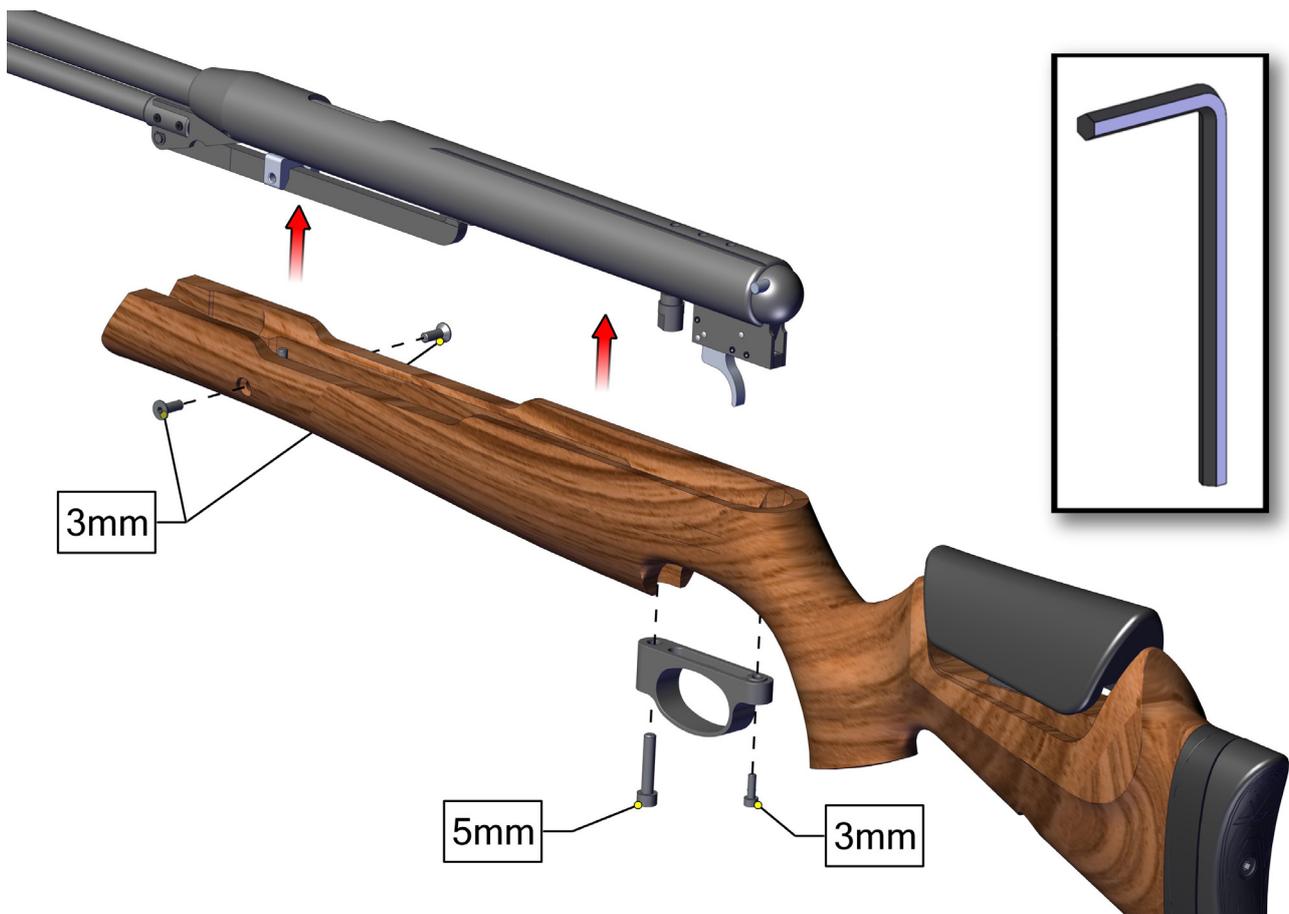
To remove the stock first ensure the rifle is not cocked or loaded.

Remove the trigger guard screws using a 5mm allen key and 3mm allen key and lift the trigger guard free of the rifle.

Now remove the fore-end screws using a 3mm allen key.

Once the screws are removed lift the action free of the stock.

To refit the action is the reverse process. Care needs to be taken when the action is re-inserted into the stock. Particular care should be taken when the trigger fits into the wood as it is easy to mark the top of the stock.



# Exploded Diagrams

BOM ID	Part No.	Description	Qty
2	E320	PILLAR NUT	1
3	E335	CHEEK PIECE RAIL	1
4	E340	RAIL NUT	2
5	E425	ADJUSTER LOCKING BUSH	1
6	JT416	M5 X 18 SKT BTN	2
7	S740	CHEEK PIECE PILLAR	1
8	S770-PT1	CHEEK PIECE TOP CLAMP - PT1	1
9	S770-PT2	CHEEK PIECE TOP CLAMP - PT 2	1
10	S775	CHEEK PIECE PILLAR BOTTOM PLATE	1
11	S896-1	BUTT PAD	1
12	S896-2	BASE PIVOT	1
13	S896-3	BASE PLATE	1
14	S896-4	M5 X 20 SKT CAP	1
15	S896-5	NUT	1
16	S896-6	NUT	2
17	S910-BP	M4 X 6 CSK SKT	2
18	PS418	M5 X 20 SKT CAP	1
19	RN430	M5 X 12 SKT BTN	2
20	S750	No.6 x 0.50	3
21	S780	No.8 x 1.25	2
22	RN431	M5 WASHER	4



BOM ID	Part No.	Description	Qty
1	TX460	M4 X 12 SKT CAP	1
2	TX440	M6 X 30 SKT CAP	1
4	TX436	M5 X 14 CSK SKT	2
5	TX416	M5 X 10 CSK SKT	1
32	TX221	BS108 NBR70	2
34	TX222	BARREL LOCKING NUT	1
36	TX227	BUFFER	1
40	TX232M	MODERATOR INSERT	1
44	TX234	3/32 X 1/4 BISSEL PIN	1
49	TX238	COCKING ARM GRIP	1
50	TX239	M3 X 3 SKT SET FT PT	2
61	TX260-3	IDENT	1
70a	TX281	COMPRESSION TUBE ASSY	1
77	TX285	COCKING SHOE	1
79	TX290	COCKING LINK	1
81	TX292	SAFETY LOCK BLOCK	1
83	TX294	SECONDARY SAFETY RATCHET	1
85	TX296	SAFETY BLOCK FIXING SCREW	2
87	TX297	3 X 13.8 ROLLER	1
89	TX298	COMPRESSION SPRING	1

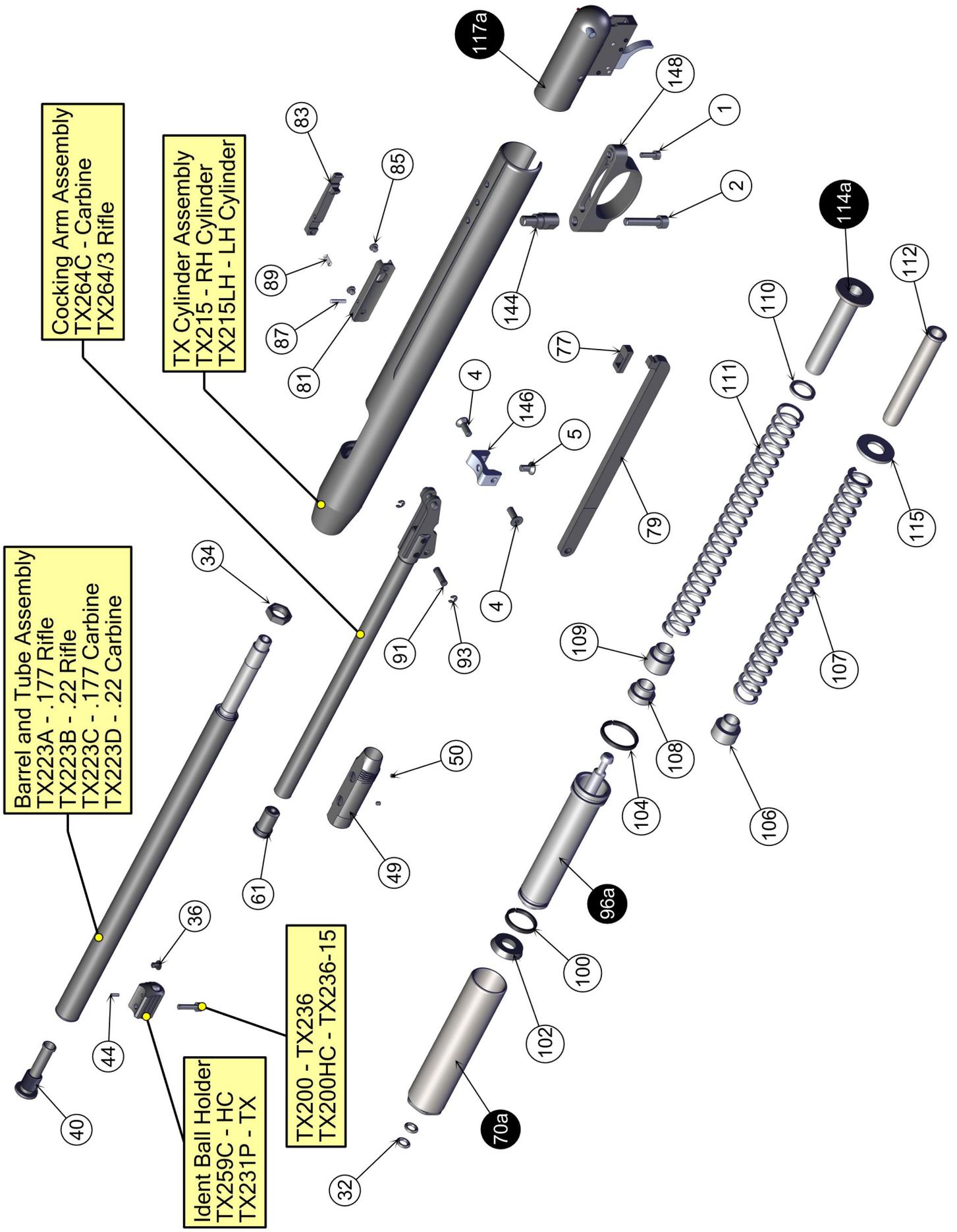
BOM ID	Part No.	Description	Qty
91	TX300	PIVOT PIN	1
93	TX305	CIRCLIP	2
96a	TX320HH	PISTON ASSEMBLY - MK3	1
100	TX325	FRONT BEARING	1
102	TX330	PISTON SEAL	1
104	TX340	REAR BEARING	1
106	TX350H	FRONT GUIDE - HP	1
107	TX351H	HP MAIN SPRING	1
108	TX352	FRONT SPRING GUIDE .22 - MK3	1
109	TX353	FRONT SPRING GUIDE .177 - MK3	1
110	TX354	MAINSRING PRE-LOAD WASHER	1
111	TX355	STD MAIN SPRING	1
112	TX360H	REAR SPRING GUIDE	1
114a	TX362	REAR GUIDE	1
115	TX363	REAR MAINSPRING SPACER	1
117a	TX380	TX TRIGGER UNIT ASSEMBLY	1
144	TX410	RETAINING SCREW	1
146	TX415	STOCK BRACKET	1
148	TX420	TRIGGER GUARD	1

**Note**

40 - This item is available for HC versions only.

49 - This item comes as standard on the HC versions only. It is available as an accessory for the TX. Order Part No. TX238A

BOM ID's 106, 107, 115 & 112 are for high power models only.





## Warranty (UK Only)

The Air Arms warranty covers repairs free of charge if the item is up to 3 years old, from date of purchase (UK only). The warranty covers faulty materials and workmanship, not reasonable wear and tear. The warranty applies to items purchased from new; proof of purchase is required. This cover is not transferable, therefore it applies to the original purchaser only. Please retain your receipt and register the warranty online at: [www.air-arms.co.uk/warranty-submission](http://www.air-arms.co.uk/warranty-submission).

### What is covered

Replacement parts and labour. Return transportation to the consumer (UK mainland only).

### What is not covered

Transportation from the consumer to Air Arms.

Damage caused by misuse, abuse, disassembly or lack of routine maintenance/servicing.

No warranty is implied as to the fitness for any particular purpose. Return transportation to consumers outside the UK mainland. Any rifle with serial number removed or altered.

Please visit [www.air-arms.co.uk](http://www.air-arms.co.uk) to register your rifle and details or scan the QR code below.



## Air Arms

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