MODEL S400F & SUPERLITE RIFLE & CARBINE



USERS HANDBOOK THIS HANDBOOK REFERS TO \$400F CLASSIC & CARBINE MODELS



Model shown with optional scope and moderator.

***** SAFETY CODE *****

1 - TREAT THIS AIR RIFLE AS IF LOADED.

2 - NEVER POINT IT AT ANYONE, EVEN IF UNLOADED.

- 3 NEVER LEAVE THIS RIFLE UNATTENDED WHEN COCKED OR LOADED.
- 4 ALWAYS BE SURE OF WHAT LIES BEYOND YOUR TARGET.
- 5 ALWAYS CONDUCT YOURSELF IN A SPORTSMAN-LIKE MANNER.

ALWAYS BE AWARE THAT YOUR ACTIONS WILL BE UNDER THE SCRUTINY OF OTHER MEMBERS OF THE PUBLIC WHO MAY NOT SHARE YOUR ENTHUSIASM FOR AIR WEAPONS. BAD PRACTICES PROMOTE BAD PUBLICITY. DO NOT JEOPARDISE YOUR FUTURE ENJOYMENT BY MISUSING THIS WEAPON.

Gun security

It is important to make sure that your gun is always kept in a safe and secure fashion when not in use.

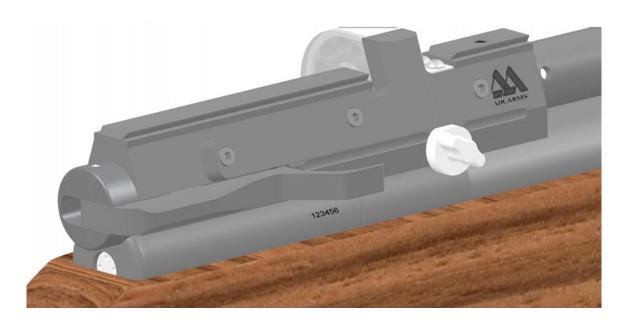
For rifles purchased in the UK and that are NOT FAC rated (high power) a free gun lock and mounting eyes are supplied. Please follow the simple fixing instructions and keep our sport safe.

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



Where To Find The Serial Number

When corresponding with Air Arms please quote the serial number of your rifle. This can be found on the right hand side of the rifle just below the bolt housing. The serial number is in the same location on all S400/410, S510, HFT and MPR rifles. The image below may not be the rifle purchased and is used as an example.



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

WARNING ! - UNAUTHORISED DISASSEMBLY OF THIS RIFLE WILL INVALIDATE THE MANUFACTURERS WARRANTY

Important information

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

It was dispatched in a sealed purpose designed box with a contents label on the lid. 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 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.

Do not pressurize 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.

Do not attempt to dismantle when pressurised.

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 to three years depending upon usage.

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 own 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 with the pellet that is to be used, 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.

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. Contact your supplier or Air Arms for any advice on this matter.

Do not store this rifle in a damp place such as 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.

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 = 10.65grains.
- 3 To find the muzzle energy in ft/lbs use the formula (FPSxFPSxGrains)/450240, i.e. (700x700x10.65) = 5218500 divide 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, EVEN A COMBINATION OF ALL THREE.

***** LIMITED LIABILITY WARRANTY ***** UK Customers only.

This product is warranted to the retail customer for 3 years from date of purchase against defects in materials and workmanship and is NOT transferable to any subsequent owner. Proof of purchase is required to receive warranty repairs, retain your purchase invoice and return the warranty registration card as soon as possible after purchase. The warranty card 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.

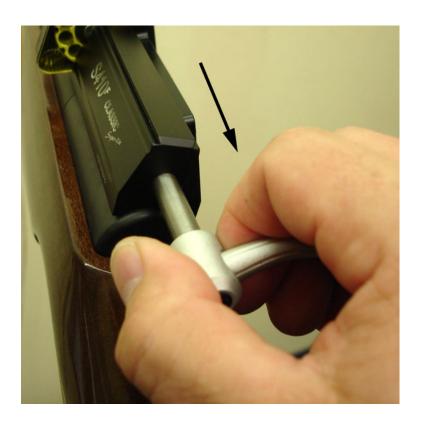
AIR ARMS RESERVE THE RIGHT TO ALTER THE CONSTRUCTION, APPEARANCE OR PERFORMANCE OF ANY PRODUCT WITHOUT PRIOR NOTIFICATION. ALL ILLUSTRATIONS ARE FOR INFORMATION PURPOSES ONLY AND DO NOT NECESSARILY SHOW THE EXACT MODEL THAT WAS PURCHASED.

OPERATING INSTRUCTIONS

COCKING

Hold securely in one hand and with the other turn the loading bolt and pull backwards until the first restriction is felt. Pull back further until the trigger mechanism engages. This can be determined by the trigger blade 'kicking' forward at the end of the cocking stroke.

If the bolt is gripped as in the illustration with the thumb on the other side of the bolt knob, the cocking action is much smoother.



Note! It is very important that the loading bolt is pulled back to the correct position. In one positive motion. The magazine indexes to the next pellet position as the bolt is. Retracted and it is possible for a partial index if the bolt is not pulled back fully.

If you find the mechanism has not cocked completely but the magazine has indexed, Re-cock but before closing the bolt, remove the magazine and manually index it back . To the empty chamber.

Replace the magazine and fire as normal. If this procedure is. Not followed it is likely that you will load a second pellet into the barrel.

Push the bolt forward and push the handle down into it's locked position. The rifle is now cocked and ready to fire.

LOADING

Insert a pellet into the loading groove as in the illustration. Push the loading bolt right the way forward and at the end of the stroke turn until locked.



The rifle is now cocked and loaded, treat with caution.

TRIGGER ADJUSTMENTS

The S400F & S410F models all have the same trigger mechanism. It is a two stage unit with adjustment to both stages plus a weight of pull adjustment. It is easy to upset the balance between the two stages and make the trigger inoperable if incorrectly adjusted.

If you have no experience of adjusting two stage triggers seek guidance or leave the trigger as set by the factory.

Note! Incorrectly adjusted trigger mechanisms are not covered by the manufacturers warranty. It is not possible to test this rifle with an incorrectly adjusted trigger, therefore all triggers leave the factory with correct adjustment. **WARNING!** Please note that it is possible to stop the safety button working with incorrect trigger adjustment. AN INCORRECTLY ADJUSTED TRIGGER CAN MAKE THE RIFLE UNSAFE TO HANDLE.

DESCRIPTION OF OPERATION

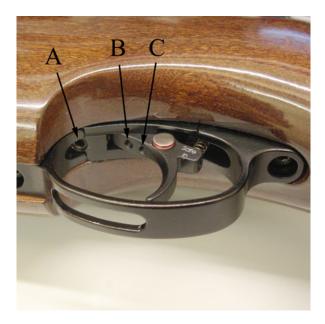
The S400F & S410F rifles have a true two stage trigger mechanism. This means that as the trigger is pulled the bottom sear gradually disengages with the top sear until the two disengage completely and the rifle goes off. If the pressure on the trigger is released at any point before full disengagement, the bottom sear will automatically return back to full engagement. This type of trigger allows very fine but safe operation because it is the release of the 2nd stage that actually makes the rifle fire. This arrangement is vastly superior to pseudo two stage triggers where the first stage is just a pivoting trigger blade that does not move sears. The down side is that they are more difficult to adjust correctly.

ADJUSTMENT

There are three adjuster screws, A-B-C. The weight of pull adjuster (A) is located in the front of the trigger guard. Clockwise rotation increases pull weight. If adjusted too far the spring will become coil-bound and prevent trigger operation.

The second stage adjuster (C) is the rear screw located in the trigger blade. This screw determines the exact point that the 2nd stage starts. If the 1st stage screw is incorrectly adjusted this screw may not have any effect.

The first stage adjuster (B) is the front screw located in the trigger blade. This screw determines the length of travel before the 2nd stage starts. Clockwise adjustment reduces the first stage travel.



This rifle is fitted with a manual safety button located in the trigger blade. To make the rifle safe the button must be pressed until it is flush with the side of the trigger blade.

Please note that it is possible to stop the safety button working with incorrect trigger adjustment.

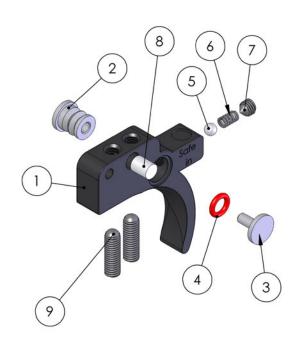


With the button pressed in the rifle is safe.



With the button out the rifle is now ready to fire.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	S420S-2	TRIGGER BLADE - BLACK ANODIZED	1
L	S420GS-2	TRIGGER BLADE - GOLD PLATED	
2	S521-2A	SAFETY BUTTON - PART ONE	1
3	S521-2B	SAFETY BUTTON - PART TWO	1
4	\$526	SAFETY BUTTON O RING	1
5	\$523	BALL BEARING	1
6	S522	SAFETY BUTTON SPRING	1
7	\$524	SCREW	1
8	TX432	ADJUSTER SCREW LOCKING PAD	1
9	S421	SCREW	2



FILLING INSTRUCTIONS

NOTE! ONLY USE CLEAN, DRY AND FILTERED COMPRESSED AIR, PREFERABLY FROM A DIVING SHOP. <u>OVER PRESSURIZATION MAY DAMAGE THE CYLINDER BEYOND REPAIR.</u>

First the female part of the filling kit (this was supplied with the rifle) must be fitted to your filling equipment. The female part (S475) has a 1/8th BSP male thread that screws directly into the hose of your pump or bottle.

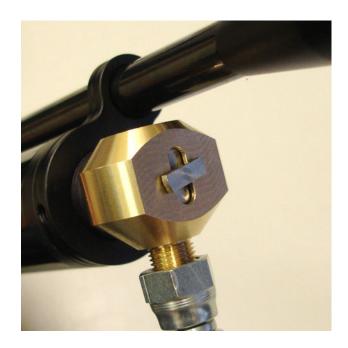
Next remove the dust cover from the end of your rifle. This is achieved by unscrewing the cover in an anti-clockwise direction.



Once the connector is exposed the female part of the filling kit can be place on the male and press all the way on making sure that the 'O' rings on the male part are covered.

It is a wise precaution to hold the female part of the connector, during the filling procedure, as shown in the pictures below. This will ensure the female adaptor is located completely over the male part and prevent any accidental dislodging of the connector before you start to refill the cylinder.





Using hand pumps

The procedure for using hand pumps is the same as for bottle. It is more important to turn the female on the gun to lock it in place.

When using the pump it must be remembered that the first few pump are filling the hose and NOT the gun. When the pressure in the hose equalizes to that in the gun, the gun will start to fill.

It can take some effort to fill the gun using a pump and we recommend using the pump to top up instead of filling from empty.

With the female in place the gun can now be filled.

If the rifle is empty the mechanism will need to be cocked to allow the firing valve to close. If the rifle is not cocked when the bottle is opened or the pump used, the air will past the valve and exhaust through the barrel.

Check that the bleed valve on the filling equipment is closed (turn clockwise to close) then slowly open the main valve on bottle or start using the pump. The pressure in the hose will equalise and then the rifle will start to fill.

If you are filling your rifle from empty there may be some air exhausted through the barrel until the air pressure is sufficient to over come the firing valve spring (S306) this will happen at approximately 50 bar (750psi).

The filling pressure of the S400F is 190 bar (2755psi). Filling to a higher pressure will not increase either power or number of shots. Over filling will lower the power and may cause irreparable damage to the cylinder.

Once the filling pressure has been reached, close the valve on the bottle or stop pumping, open the bleed valve on the filling kit (to vent the hose, if you do not vent the hose you will not be able to remove the female from the rifle). Now the female connector can be removed from the rifle and end cap (S483) can be replaced over the male connector ensuring not to overtighten.



What pressure to fill to	190 bar - Filling to a greater pressure will not improve performance
	Once the rifle has reached 100 bar it is time to refill the cylinder

The S400F range of rifles are fitted with a pressure indicator mounted on the underside of the rifle just in front of the stock screw. This provides the user with a visual check on the amount of air remaining in the cylinder this indicator should not be used during the filling process as the needle reaction speed has been slowed to prevent damage whilst filling. After filling the needle can take several seconds to synchronize with the air in the cylinder. The gauge below shows a guns with just over 150 bar of pressure. Although every gun is slightly different the recommended refill pressure for the S400F is between 100 and 110 bar. **Always use the gauge on the filling kit.**



NOTE: On the front of the cylinder is an engraved warning reading....

READ MANUAL. MFP 200bar. MSP 200bar. DOM **/**/** **. INSPECT BI-ANNUALLY.

- = Maximum Filling Pressure. The pressure is stated.
- MSP = Maximum Safe Pressure. The pressure is stated.

MFP

DOM

= Date of Manufacture. The date is stated.

WARNING NOTE CONCERNING 300 BAR BOTTLES.

WITH THE ADVENT OF THE 300 BAR BOTTLE IT SHOULD BE NOTED THAT CARE HAS TO BE TAKEN WHEN FILLING YOUR RIFLE.

THE FILLING PROCEDURE DESCRIBED IN THIS MANUAL MUST BE FOLLOWED TO AVOIDED DAMAGE TO THE RIFLE, PARTICULARLY THE SLOW OPENING OF THE VALVE ON THE BOTTLE. OPENING THE VALVE QUICKLY WILL ALLOW UP TO 300 BAR OF PRESSURE INTO THE CYLIN-DER AT ONCE, THIS COULD CAUSE SERIOUS PERSONAL INJURY OR IRREPARABLE DAMAGE TO THE CYLINDER.

MAINTENANCE

FIXINGS

Regularly check the tightness of all fixings. However do not be tempted to over tighten as some parts are made from aluminium and stripped threads may result. Stripped threads are not covered by the manufacturers warranty.

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 uses products made by Napier. Listed below is the Napier product and a more generally available alternative. If possible use napier for the best results.

CLEANER:	'NAPIER GUN CLEANER', ALTERNATIVELY WHITE SPIRIT.
OIL:	'NAPIER GUN OIL', ALTERNATIVELY '3 IN 1' OIL.
PULL-THROUGH PAD:	'NAPIER RIFLE CLEAN', ALTERNATIVELY SOFT COTTON CLOTH.
PULL-THROUGH LINE:	'NAPIER PULL THROUGH KIT', ALTERNATIVELY 201b FISHING LINE

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

- 1. Cut a piece of line three times the length of your barrel, fold in half and tie ends together. Remove silencer if fitted. Open loading bolt.
- 2. Feed un-knotted end down barrel from the muzzle end until folded end protrudes out 50mm.
- 3. Cut a 100mm length of 'rifle clean' or 100 x 50mm piece of cloth and pass it between the protruding loop. Spray the pad with 'gun cleaner' or white spirit, turn the rifle upside and pull the line back through the barrel slowly.

down and

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

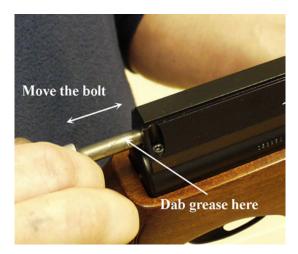
IMPORTANT : THE REASON FOR TURNING THE RIFLE UPSIDE DOWN IS TO PREVENT EXCESS CLEANER/OIL FROM PASSING DOWN THE TRANSFER PORT INTO THE FIRING VALVE CHAMBER.

LUBRICATION

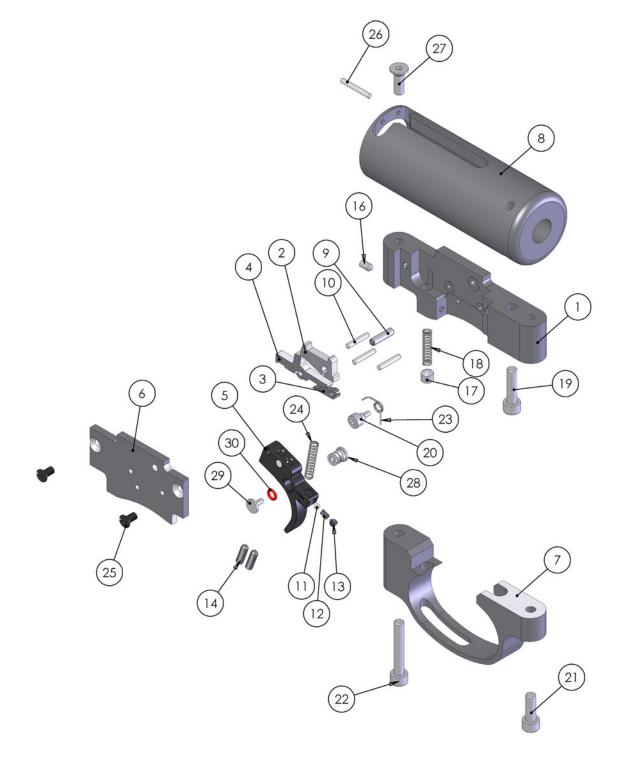
Lubrication of the internal mechanism is not covered in this handbook. This is best performed by a Air Arms or a competent gunsmith and in any case should not be required until the annual service.

Apply a small dab of grease on the loading bolt and work-in by moving the bolt forwards and backwards. Wipe off excessive grease. Preferred grease is 'Napier g95 gun grease'.

A small drop of oil should be applied to the magazine O ring to keep it moist, and increase its life span. On return from every shooting session, wipe all over the exterior with an oily rag to preserve the surface finish during storage.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	S313	CHASSIS	1	16	RN191	SCREW	1
2	S320-2	TOP SEAR	1	17	TX381	SCREW	1
3	S321-2	BOTTOM SEAR	1	18	S319	FILLING VALVE SPRING	1
4	S325-2	MIDDLE SEAR	1	19	TX236	SCREW	1
5	S420S-2	TRIGGER BLADE - MK2	1	20	S496	SCREW	1
6	S318	COVER PLATE	1	21	TX460	SCREW	1
7	S314	TRIGGER GUARD	1	22	S316	SCREW	1
8	S317	STRIKER BODY	1	23	S495	TOP SEAR SPRING	1
9	TX398	PIN	1	24	S311	TRIGGER LOAD SPRING	1
10	S326	PIN	3	25	RN106	SCREW	2
11	S523	BALL BEARING	1	26	S425	PIN	1
12	S522	SAFETY BUTTON SPRING	1	27	S322	SCREW	1
13	S524	SCREW	1	28	S521-2A	SAFETY BUTTON - PART ONE	1
14	S421	SCREW	2	29	S521-2B	SAFETY BUTTON - PART TWO	1
15	TX432	ADJUSTER SCREW LOCKING PAD	1	30	S526	SAFETY BUTTON O RING	1



	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
E146 FRCION PAD 1 27 E483BK END CAP - BLACK S370 FIRING VALVE SFRIGG 1 28 5455 MUZZLE IND - MK2 S300 FID CALVE SFRIGG 1 28 5455 MUZZLE IND - MK2 S300 FOT CAUCE SFRIGG 1 29 5405 MUZZLE IND - MK2 S340 SIRKER ROD 1 23 546 MX 4 SIT SET PT E S340 SIRKER ROD 1 33 546 MX 1 SST BIN E S340 BOLT HOUSING SOLD 1 33 545 MX 1 SST BIN E S5454 BOLT HOUSING SOLT - 22 1 33 560AT MM 1 MA 16 ST CAP E S5454 BOLT KONB 1 37 560AT MM 1 MA 16 ST CAP E S5454 BOLT KONB 1 37 560AT MM 1 16 ST CAP E S5455 MA 1 4 ST CAP MA 1 6 ST CAP MA 16 ST CAP E E S5451 BOLT KONB	-	S507-SL	FIRING VALVE BODY	-	26	S485	BARREL CLAMP - MK2	1
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S594BOLTHOUSING 5400138.445INDICATOR GAUGES5405LOADING BOLT - 17735TX239M3 X 3 SKI SEIF FPS5405LOADING BOLT - 223S.8007M1 TIAMER SCREW (ux Only)S545S1EFVE137S.8007M1 TIAMER SCREW (ux Only)S545BOLT KIOB137S.8007M1 X 16 SKT CAPS545BOLT KIOB139RN102AM3 X 16 SKT CAPS545BOLT SIEEVE139RN102AM3 X 16 SKT CAPS545BOLT SIEEVE140RN135M6 X 16 SKT CAPS520STRKER141RN135M6 X 16 SKT CAPS520STRKER141RN135M6 X 16 SKT CAPS520BUSHMAN SPRING143S.455DOTS530MAIN SPRING143S.457SET CUP PTS530MAIN SPRING144RN135M6 X 16 SKT CAPS530MAIN SPRING143S.455DOTS530MAIN SPRING GUIDE144S.427BSOR NBPOS431FILUNG VALVE BODY143S.427BSOR NBPOS433FILUNG VALVE144S.427BSOR NBPOS433FILUNG VALVE BODY144S.427BSOR NBPOS433FILUNG VALVE144S.427BSOR NBPOS433FILUNG VALVE148S.424I27 15 NB7OS433SNTSNT <td>8</td> <td>S340</td> <td>STRIKER ROD</td> <td>1</td> <td>33</td> <td>S968</td> <td>M5 X 16 SKT BTN</td> <td>1</td>	8	S340	STRIKER ROD	1	33	S968	M5 X 16 SKT BTN	1
540ALOADING BOLT - 17735IX239M3 X 3 KT SET FTM3 X 3 KT SET FT5540BLOADING BOLT2236R1191M3 X 5 KT SET CONE PT UFF LOC15345BUL KIDB1375600TANTI TAMPER SCREW (ut only)15345BOLT KIDB138KN 102M3 X 16 KT CAP15345BOLT KIEVE138KN 102M3 X 16 KT CAP15345BOLT KIEVE138KN 102M6 X 16 KT CAP15345BOLT KIEVE140RN 102M6 X 16 KT CAP15520STRIKER141RN 135M6 X 16 KT CAP15530MAIN SFING1435500BS1 10 FT15530MAIN SFING1435500BS1 10 FT15331FLUING VALVE144S4712 X 1.5 MR7015331FLUING VALVE144S4712 X 1.5 MR7015471SINTERED FILTER1435327BS005 MB9015313FLUING VALVE144S4712 X 1.5 MR7015471SINTERED FILTER147	6	S594	BOLT HOUSING S400	-	34	S645	INDICATOR GAUGE	-
S540BLOADING BOLT22136RN191M3 X 5 SKT SET CONE PT TUFF LOCS345SLEEVE137S680ATANIT TAMPER SCREW ($ucony$)S345BOLT KNOB138TX233MA X 16 SKT CAPS545-14BOLT KNOB139RN102AMA X 16 SKT CAPS545-15BOLT KNOB140RN113MS K 5 SKT SET CUP PTS545-16BOLT SLEEVE140RN113MS K 5 SKT CAPS545-17BUSH141RN135MS X 16 SKT CAPS545-16BUST SLEEVE141RN135MS X 16 SKT CAPS530MAIN SPRING141RN135MS X 16 SKT CAPS530MAIN SPRING143S365POT SPRING GUDES491FILLING VALVE SPRING143S327BS011 NBR70S491FILLING VALVE SPRING143S327BS011 NBR70S491FILLING VALVE SPRING144S4276 X 1 NBR70S491FILLING VALVE SPRING146S327BS011 NBR70S472SM10S005 NBR90S1 10 SR70S005 NBR90S473SILLING VALVE SPRING147S427S1 5 SNR70S473SILLING VALVE SPRING148S47412 X 1.5 NB70S473SILLING VALVE SPRING148S47412 X 1.5 NB70S473SILTERED FILFER148S47412 X 1.5 NB70S401ABAREL27 RFLE55	6	S540A	LOADING BOLT177	-	35	TX239	M3 X 3 SKT SET FT PT	1
S345SLEEVE137S680TANTI TAMPER SCREW (uK Only)S355MA X 14 SKT CAP138TX236MA X 16 SKT CAPS545-1BOLT KINOB139RN 102MA X 16 SKT CAPS545-1BOLT SLEEVE140RN 113MA X 16 SKT CAPS520SKRER141RN 135MA X 16 SKT CAPS520SKRER141S50RN 105S520BUSHMAIN SPRING143S365POT SPRING GUIDES530MAIN SPRING143S365POT SPRING GUIDES530MAIN SPRING143S365R011 NBR70S530MAIN SPRING GUIDE144S4276X1 NBR70S491FILLING VALVE BODY145RN219-9BS011 NBR70S473FILLING VALVE BODY146S327BS005 NBP90S319FILLING VALVE SPRING146S327BS005 NBP90S473FILLING VALVE SPRING147S4412.X 15. NBR70S473SILTING VALVE SPRING146S47412.X 15. SNB70S473SILTING VALVE SPRING147S46412.X 15. NBR70S473SILTING VALVE SPRING148S47412.X 15. NBR70S473SILTING VALVE SPRING148S47412.X 15. SNB70S441SILTING VALVE SPRING149S538BAREL SEAL -177S401BAREL - 22 RHLE149 <td< td=""><td>2</td><td>S540B</td><td>LOADING BOLT22</td><td>_</td><td>36</td><td>RN191</td><td>M3 X 5 SKT SET CONE PT TUFF LOC</td><td>1</td></td<>	2	S540B	LOADING BOLT22	_	36	RN191	M3 X 5 SKT SET CONE PT TUFF LOC	1
S355M4X 14 SKT CAP138TX236M4X 16 SKT CAPS545-1BOLT KNOB139RN 102AM3X 16 SKT CAPS545-1BOLT SLEEVE130RN 113M5 X 6 SKT SET CUP PTS520STRKER140RN 113M6 X 16 SKT CAP ST/STS520STRKER141RN 135M6 X 16 SKT CAP ST/STS520BUSH242S650A8 X 1 NBR70S530MAIN SPRING GUIDE143S365POT SPRING GUIDES331MAIN SPRING GUIDE144S4276 X 1 NBR70S491FILING VALVE BODY144S4278001 NBR70S473FILING VALVE BODY144S4278005 NBR90S473FILING VALVE BODY145S42412 X 1.5 NBR70S473FILING VALVE BODY146S42412 X 1.5 NBR70S473MALE CONNECTOR148S4412 X 1.5 NBR70S473MALE CONNECTOR148S4412 X 1.5 NBR70S471SINTERED FILTER148S4412 X 1.5 NBR70S473CYLINDER - ZRS4018 X 1.25 NBR70S40S473S401ABAREL - ZRELE55508 X 1.25 NBR70S401ABAREL - ZRELE55S6508 X 1.25 NBR70S401BBAREL - T/7 RIFLE55S4028 X 1.25 NBR70S401BBAREL - T/7 RIFLE55S402B8 AREL - 1/7<	11	S345	SLEEVE	1	37	S680AT	ANTI TAMPER SCREW (UK Only)	1
S545-4 BOLT KNOB 1 39 RN102A M3 X 16 SKT CAP S545-1 BOLT SLEEVE 1 40 RN113 M5 X 6 SKT SET CUP PT S520 STRKER N113 M6 X 16 SKT CAP ST/ST N6 N S520 STRKER 1 41 RN135 M6 X 16 SKT CAP ST/ST N S520 BUSH Z 2 42 S650A B X 1 NBR70 N S331 MAIN SPRING 1 43 S355 POT SPRING GUIDE N S491 FILLING VALVE SPRING 1 44 S427 B X 1 NBR70 N S473 FILLING VALVE SPRING 1 44 S427 B X 1 NBR70 N S471 FILLING VALVE SPRING 1 44 S427 B X 1 NBR70 N S471 S102 ALVE 1 1 2 S43 12 1 1 1 1 1 1 1 1 1 1 1 1 1 <td< td=""><td>12</td><td>S355</td><td>M4 X 14 SKT CAP</td><td>l</td><td>38</td><td>TX236</td><td>M4 X 16 SKT CAP</td><td>2</td></td<>	12	S355	M4 X 14 SKT CAP	l	38	TX236	M4 X 16 SKT CAP	2
S45-1BOLT SLEEVE140Rn113M5 X 6 SKT SET CUP PTS520STRIKER141Rn135M6 X 16 SKT CAP ST/STS520-1BUSH242S650A8 X 1 NBR70S520-1BUSH242S650A8 X 1 NBR70S331MAIN SPRING GUIDE143S345POT SPRING GUIDES300MAIN SPRING GUIDE143S345POT SPRING GUIDES491FILLING VALVE BODY144S377B S011 NBR70S492FILLING VALVE SPRING144S377B S011 NBR70S199FILLING VALVE SPRING144S377B S011 NBR70S191FILLING VALVE SPRING144S377B S011 NBR70S191FILLING VALVE SPRING144S377B S011 NBR70S192FILLING VALVE SPRING144S377B S011 NBR70S193FILLING VALVE SPRING144S377B S011 NBR70S101BAREL STER148S47412 X 1.5 NBR70S101NITERED FILTER148S47412 X 1.5 NBR70S101BAREL STERE149S538B AREL SEAL -177S101BAREL STERE149S47412 X 2.5 NBR70S101BAREL STERE149S40B 7.1.5 NBR70S101BAREL STE	13	S545-4	BOLT KNOB	1	39	RN102A	M3 X 16 SKT CAP	5
520STRIKE141RN135M6 X 16 SKT CAP ST/ST15520-1BUSH242S650A8 X 1 NBR7015520-1BUSH242S650A8 X 1 NBR701530MAIN SPRING GUIDE143S365POT SPRING GUIDE1530MAIN SPRING GUIDE144S4276 X 1 NBR701530MAIN SPRING GUIDE146S327B S001 NBR701531FILLING VALVE BODY146S327B S001 NBR7015319FILLING VALVE SPRING147S48412 X 1.5 NBR7015319FILLING VALVE SPRING148S47412 X 1.5 NBR7015319S110SINTERED FILTER149S538BARREL SEAL - 1771531S471S10DER - CARBINE149S538BARREL SEAL - 1771533CYLINDER - RIFLE149S538BARREL SEAL - 1771533CYLINDER - RIFLE149S538BARREL - 17715401ABARREL - 22 RIFLE55400BARREL - 22 RIFLE555401FBARREL - 22 RIFLE5555555401FBARREL - 22 CARBINE1555555401FBARREL - 177 CARBNE1555555401GBARREL - 177 CARBINE11111 <td< td=""><td>14</td><td>S545-1</td><td>BOLT SLEEVE</td><td>l</td><td>40</td><td>RN113</td><td>M5 X 6 SKT SET CUP PT</td><td>2</td></td<>	14	S545-1	BOLT SLEEVE	l	40	RN113	M5 X 6 SKT SET CUP PT	2
550-1BUSH2425650.48 X 1 NBR702531MAIN SPRING143536POT SPRING GUDE1530MAIN SPRING GUDE1445.4276 X 1 NBR7015491FILLING VALVE BODY1445.4276 X 1 NBR7015492FILLING VALVE BODY1465.327BS011 NBR7015319FILLING VALVE SPRING1465.327BS005 NBR9015319FILLING VALVE SPRING1475.4412 X 1.5 NBR7015319FILLING VALVE SPRING1485.47412 X 1.5 NBR7015319FILLING VALVE SPRING1485.47412 X 1.5 NBR7015310SNTERED FILTER1485.47412 X 1.5 NBR7017SA72SNTERED FILTER1495.50BAREL 5.2117SNTERED FILTER1495.50BAREL 5.2117SA11SNTERED FILTER1505.6508 X 1.25 NBR708SA11SA12SA12BAREL 2.2715.402ABAREL 5.218SA11BAREL - 1.77 RIFLE1505.6508 X 1.25 NBR705SA11BAREL - 2.2 CARBINE1515.402ABAREL SAL HOLDER - 1775SA11BAREL - 2.2 CARBINE1515.402BBAREL - 177 CARBINE5SA11BAREL - 2.177 CARBINE151	15	S520	STRIKER	1	41	RN135	M6 X 16 SKT CAP ST/ST	1
S331MAIN SPRINGI43S365POT SPRING GUIDEIS530MAIN SPRING GUIDE144S427 $(x) \ NBR70$ SS471FILLING VALVE BODY145S427 $(x) \ NBR70$ SS473FILLING VALVE BODY146S327 $(x) \ S005 \ NBR90$ SS473FILLING VALVE SPRING146S327 $(x) \ S005 \ NBR90$ SS473FILLING VALVE SPRING147S434 $(12 \ X) \ S005 \ NBR90$ SS474S474 $(12 \ X) \ S005 \ NBR70$ SSSS471SINTERED FILTER149S538BAREL SEAL - 177SRN235CYLINDER - CARBINE149S538BAREL SEAL - 177SS401ABAREL - 22 RIFLE51S4026BAREL SEAL HOLDER - 22SS401BBAREL - 22 CARBINE151S4024BAREL SEAL HOLDER - 177S401CBAREL - 22 CARBINE154024BAREL SEAL HOLDER - 177S401GBAREL - 177 CARBINE1S4022BAREL SEAL HOLDER - 177S401GBAREL - 177 CARBINE1S4026BAREL SEAL HOLDER - 177S401GBAREL - 127 CARBINE1S4024BAREL SEAL HOLDER - 177S4	16	S520-1	BUSH	2	42	S650A	8 X 1 NBR70	2
5300MAIN SPRING GUIDE14454276 X 1 NBR7015491FILING VALVE BODY145RN219-9BS011 NBR7015473FILING VALVE BODY145S327BS050 NBR9015319FILING VALVE SPRING147S48412 X 1.5 NBR7015319FILING VALVE SPRING147S48412 X 1.5 NBR7015471SNTERED FILTER147S48412 X 1.5 NBR7015471SITTERED FILTER149S538BARREL SAL17715335CYLINDER - CARBINE149S538BARREL SAL17715335CYLINDER - RIFLE150S6508 X 1.25 NBR7015401ABARREL22 RIFLE55S6508 X 1.25 NBR7015401FBARREL22 CARBINE1555555401BBARREL22 CARBINE1555555401GBARREL22 CARBINE1555555401GBARREL177 CARBINE1555555401GBARREL177 CARBINE1555555401GBARREL177 CARBINE1555555401GBARREL177 CARBINE1555555401GBARREL177 CARBINE15555<	17	S331	MAIN SPRING	-	43	S365	POT SPRING GUIDE	1
\$491FILING VALVE BODY145RN219-9BS011 NB708 5473 FILING VALVE SPRING14 5327 $8005 NB790$ 18 5319 FILING VALVE SPRING14 47 5484 $12 \times 1.5 NB70$ 18 5472 MALE CONNECTOR1 48 5474 $12 \times 1.5 NB70$ 18 5471 SINTERED FILTER1 49 5474 $12 \times 2 NB70$ 18 5471 SINTERED FILTER1 49 538 $BAREL SEAL22$ 18 7335 CYLINDER - RFLE 50 5650 $8 \times 1.25 NB70$ 18 $5401A$ BAREL22 RFLE 51 $5402A$ $BAREL SEAL HOLDER22$ 18 $5401B$ BAREL22 CARBINE 51 $5402B-2$ $BAREL SEAL HOLDER177$ 18 $5401F$ BAREL177 RIFLE 51 $5402B-2$ $BAREL SEAL HOLDER177$ 18 $5401F$ BAREL177 RIFLE $5402B-2$ $BAREL SEAL HOLDER177$ 18 $5401F$ BAREL177 CARBINE 14 140 140 140 8 $5402B-2$ $8AREL SEAL HOLDER177$ 140 140 140 140	18	S530	MAIN SPRING GUIDE	l	44	S427	6 X 1 NBR70	2
6 373FILING VALVE1463327BS005 NB79018 319FILING VALVE SPRING14784412 X 1.5 NBR7018 347S472MALE CONNECTOR148847412 X 1.5 NBR7018 471SINTERED FILTER149538BARREL SEAL2218 471SINTERED FILTER149538BARREL SEAL17718 735CYLINDER - CARBINE149FP121BARREL SEAL17718 8 7 1 2 5 NBR70S 8 7 1.25 NBR70S 8 7 1.25 NBR70118 401 BARREL27 RIFLE515402 BARREL SEAL HOLDER2218 401 BARREL177 RIFLE515402 BARREL SEAL HOLDER2718 401 BARREL27 CARBINE515402 BARREL SEAL HOLDER17718 401 BARREL27 CARBINE178402 BARREL SEAL HOLDER17718 401 BARREL27 CARBINE15402 BARREL SEAL HOLDER17718 401 BARREL27 CARBINE15402 BARREL SEAL HOLDER17718 401 BARREL27 CARBINE111118 401 BARREL177 CAR	19	S491	FILLING VALVE BODY	l	45	RN219-9	BS011 NBR70	1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	20	S473	FILLING VALVE	1	46	S327	BS005 NBR90	1
$ \begin{array}{ c c c c c c } \hline \label{eq:connector} & 1 & 48 & 5474 & 12 X DBR70 \\ \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	21	S319	FILLING VALVE SPRING	1	47	S484	12 X 1.5 NBR70	2
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	22	S472	MALE CONNECTOR	1	48	S474	12 X 2 NBR70	2
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	23	S471	SINTERED FILTER	1	49	S538		1
S335 CYLINDER - RIFLE 50 S650 8 X 1.25 NBR70 S401A BARREL22 RIFLE 51 S402A BARREL SAL HOLDER S401B BARREL177 RIFLE 51 S402B-2 BARREL HOLDER S401F BARREL177 RIFLE 7 51 S402B-2 BARREL HOLDER S401F BARREL22 CARBINE 7 5402B-2 BARREL SAL HOLDER S401G BARREL177 CARBINE 7 7 7 7	r c	RN235	CYLINDER - CARBINE	-	49	FP121	BARREL SEAL177	1
S401A BARREL22 RIFLE 51 S402A BARREL SEAL HOLDER - S401B BARREL177 RIFLE 1 51 S402B-2 BARREL SEAL HOLDER - S401F BARREL22 CARBINE 1 S402B-2 BARREL SEAL HOLDER - S401G BARREL177 CARBINE 1 M M M	74	S335	CYLINDER - RIFLE	_	50	S650	8 X 1.25 NBR70	1
S401B BARREL177 RIFLE I OI S402B-2 BARREL SAL HOLDER - S401F BARREL22 CARBINE I OI I		S401A	BARREL22 RIFLE		£ 1	S402A		l
S401F S401G	75	S401B	BARREL177 RIFLE		5	S402B-2	1	-
	3	S401F		_				
		S401G	BARREL177 CARBINE					

Items not shown in the above list:

S636 - Beech stock RH S671 - Ambidextrous traditional S634A - Thumbhole walnut RH

S637 - Walnut stock RH S671-BHG - Ambidextrous high gloss S635A - Thumbhole walnut LH

S638 - Walnut stock LH S671-G - Ambidextrous hunter green S475 - Filling adaptor

S625 - Stock screw S655 - Stock washer



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, <u>not</u> 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 return the warranty form (below) or fill in the online form at: 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 RETURN THIS PART

Gun No	Model		
Date of Purchase			
Purchased from			
Your name and address			

IMPORTANT INFORMATION

Please read the following information and instructions in the users handbook, they are vital to the long term serviceability of your rifle.

The adjustments and settings of this rifle have been set with special equipment at the factory to obtain the optimum performance, these must not be altered in any way (unless otherwise indicated in the users handbook). Any such alterations may invalidate the warranty.

If you experience any problems, please contact your retailer or place of purchase in the first instance. Explain the fault, they will advise you on whether the rifle should be returned to them or Air Arms.

May we suggest the you have the rifle serviced annually to maintain the long term reliability of the rifle. Could we please ask you to complete the form overleaf and return to Air Arms. It is important for us to keep a record of all users.

This will enable us to contact you in future, to pass on useful information and/or to get your opinions and general feedback.

Anticipating your cooperation and wishing you every success in your shooting.

Affix stamp here

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