

S300



S300

USERS HANDBOOK

THIS HANDBOOK REFERS TO ALL S300 MODELS

CONGRATULATIONS --- You are now the owner of a S300

Treated with the care that any precision instrument warrants, this rifle will give you good sport and reliable service.

***PLEASE READ THIS HANDBOOK BEFORE USING YOUR RIFLE,
IT CONTAINS IMPORTANT SAFETY & MAINTENANCE INFORMATION***

***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.***

****** THE SAFETY CODE ******

- 1 - TREAT ALL AIR WEAPONS AS IF LOADED.***
- 2 - NEVER POINT ANY WEAPON AT ANYONE, EVEN IF IT IS UNLOADED.***
- 3 - NEVER LEAVE YOUR RIFLE COCKED OR LOADED.***
- 4 - ALWAYS BE SURE OF WHAT LIES BEYOND YOUR TARGET.***
- 5 - ALWAYS CONDUCT YOURSELF IN A SPORTSMAN-LIKE MANNER.***

ALWAYS --- REMEMBER AND APPLY THE SAFETY CODE

THE AIR CYLINDER IS A HIGHLY PRESSURISED UNIT AND MUST NOT BE MODIFIED OR MACHINES IN ANY WAY. DO NOT ATTEMPT TO PRESSURISE IF THERE ARE ANY LARGE SURFACE ABRASIONS OR DENTS. DO NOT STORE THE RIFLE IN PLACES SUBJECT TO HIGH TEMPERATURES .I.E. CLOSE TO FIRES OR BOILERS. DO NOT ATTEMPT TO DISMANTLE WHEN PRESSURISED, SEVERE PERSONAL INJURY MAY RESULT. DO NOT PRESSURISE BEYOND THE STATED MAXIMUM FILLING PRESSURE. ONLY USE CLEAN FILTERED COMPRESSED AIR. NEVER USE ANY OTHER GAS, PARTICULARLY INDUSTRIAL OR WELDING GASES SUCH AS OXYGEN, CARBON DIOXIDE, ACETYLENE, HYDROGEN, NITROGEN, ARGON ETC.

THIS RIFLE HAS BEEN SET UP AND TESTED ON AIR ARMS PELLETS (SEE PAGE 8).
IF ANY OTHER MAKE OR TYPE OF PELLET IS USED, THE RIFLE MUST BE RE-
TESTED TO ENSURE THE MUZZLE ENERGY IS WITHIN THE LEGAL LIMIT.
WARNING - UNAUTHORISED DISASSEMBLY OF YOUR RIFLE WILL INVALIDATE THE WARRANTY.

CAUTION: THIS AIR RIFLE IS NOT A TOY AND MAY CAUSE DEATH OR SERIOUS INJURY IF MISUSED OR USED CARELESSLY. READ ALL INSTRUCTIONS BEFORE USING. THIS AIR WEAPON REQUIRES ADULT SUPERVISION IF THE USER IS UNDER 14 YEARS OLD. THE SUPERVISOR MUST BE AT LEAST 21 YEARS OLD. THE PURCHASER AND USER HAVE THE RESPONSIBILITY TO CONFORM TO ALL LAWS CONCERNING THE USE AND OWNERSHIP OF THIS AIR WEAPON.

******* WARRANTY *******

THIS PRODUCT IS WARRANTED TO THE RETAIL CONSUMER FOR 12 MONTHS FROM DATE OF PURCHASE AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP AND IS TRANSFERABLE. PROOF OF PURCHASE IS REQUIRED TO RECEIVE WARRANTY REPAIRS. RETAIN YOUR INVOICE AND RETURN THE CARD STAMPED OR SIGNED BY THE RETAILER.

WHAT IS COVERED

REPLACEMENT PARTS & LABOUR. 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 OR DIS-ASSEMBLY. PARTS SUBJECT TO NORMAL WEAR & TEAR.

ANY OTHER EXPENSE INCURRED BY THE CONSUMER.

RETURN TRANSPORTATION TO CONSUMER OUTSIDE UK MAINLAND

NO WARRANTY IS IMPLIED AS TO THE FITNESS FOR ANY PARTICULAR PURPOSE

***** IMPORTANT INFORMATION *****

DO NOT STORE THE RIFLE IN A DAMP PLACE SUCH AS A GARDEN SHED OR GARAGE.

DO NOT STORE THE RIFLE IN A PLASTIC OR PVC TYPE GUN BAG.

NEVER LEAVE IT IN A COCKED CONDITION.

ALWAYS ENSURE THE LOADING BOLT IS FULLY CLOSED BEFORE FIRING.

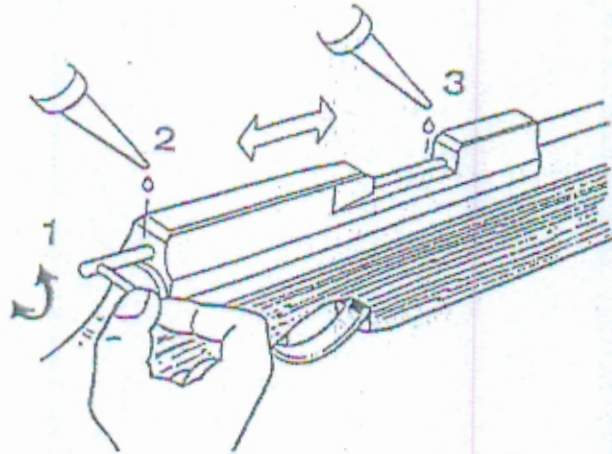
GENERAL MAINTENANCE

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 QUALITY CLEANER AND PULL THROUGH.

GENERAL LUBRICATION (cont)

DO NOT ALLOW EXCESS LUBRICATION TO PENETRATE TO THE STRIKER ROD (S340) AS THIS WILL EFFECT THE CONSISTENCY.

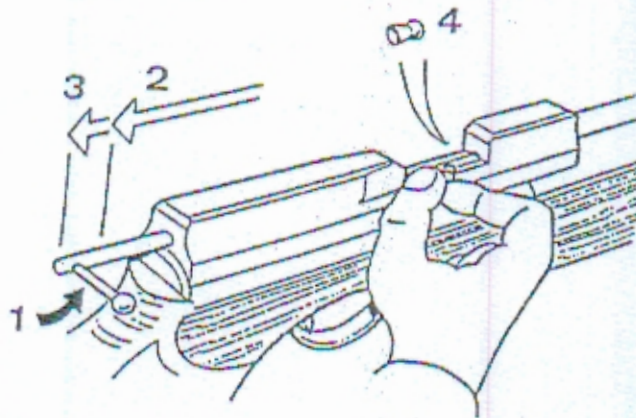
IT IS ADVISABLE TO HAVE THIS RIFLE SERVICED BY AIR ARMS OR A COMPETENT GUNSMITH. THE FREQUENCY OF SERVICES IS DETERMINED BY THE REGULARITY OF USE, BUT IN ALL CASES SHOULD BE AT LEAST ONCE A YEAR.



OPERATING INSTRUCTIONS

TO COCK THE RIFLE, 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 TRIGGER MECHANISM ENGAGES.

INSERT THE PELLET INTO THE LOADING GROOVE. PUSH THE BOLT FORWARD AND TURN TO LOCK. THE RIFLE IS NOW COCKED AND LOADED AND MUST BE TREATED WITH CAUTION.



THE S300 HAS BEEN DESIGNED TO BE AMBIDEXTROUS AND CAN BE CHANGED FROM RIGHT TO LEFT HAND OPERATION WITHOUT THE NEED TO PURCHASE ANY SPECIAL PARTS, HOWEVER THE MECHANISM NEEDS TO BE DISMANTLED TO ENABLE CONVERSION AND IT IS ADVISED TO HAVE THIS WORK DONE BY AIR ARMS OR A COMPETENT GUNSMITH.

TRIGGER ADJUSTMENT

THE TRIGGER IS A TWO STAGE UNIT WITH ADJUSTMENT ON BOTH STAGES. BE AWARE THAT THE ADJUSTMENT OF ONE SCREW WILL EFFECT THE ADJUSTMENT OF THE OTHER AND THE TRIGGER WILL ONLY WORK CORRECTLY IF THE BALANCE BETWEEN THE TWO IS MAINTAINED.

IF YOU HAVE NO EXPERIENCE OF ADJUSTING TWO STAGE TRIGGERS SEEK GUIDANCE OR LEAVE THE TRIGGER AS SET BY THE FACTORY.

INCORRECT ADJUSTMENT CAN MAKE THE RIFLE UNSAFE.

THERE ARE THREE ADJUSTING SCREWS:

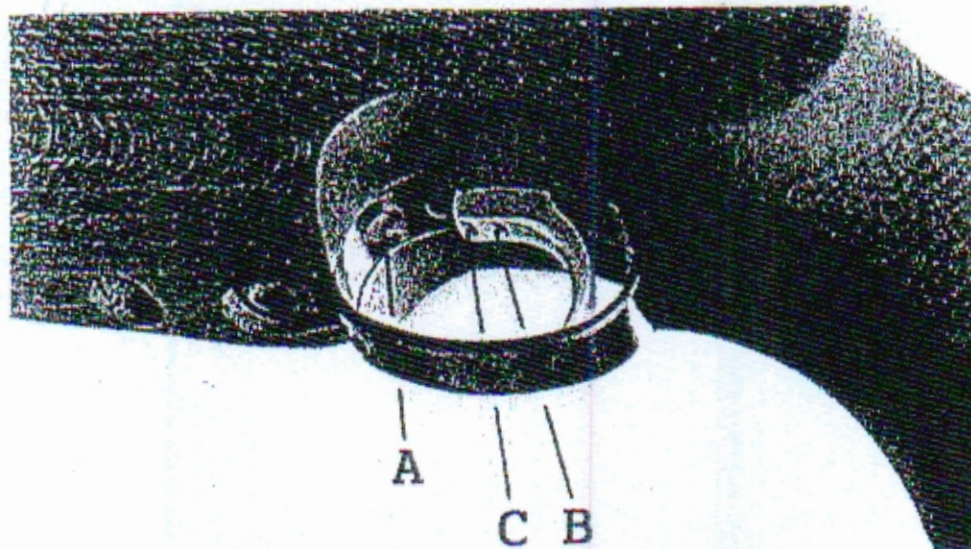
THE WEIGHT OF PULL SCREW (A) IS UNDER THE FRONT OF THE TRIGGER GUARD. CLOCKWISE MOVEMENT INCREASES THE WEIGHT OF PULL.

THE OTHER ADJUSTER SCREWS ARE IN THE TRIGGER BLADE.

SCREW (B) ADJUSTS THE EXACT LET-OFF POINT, CLOCKWISE ADJUSTMENT DECREASES THE LET-OFF POINT.

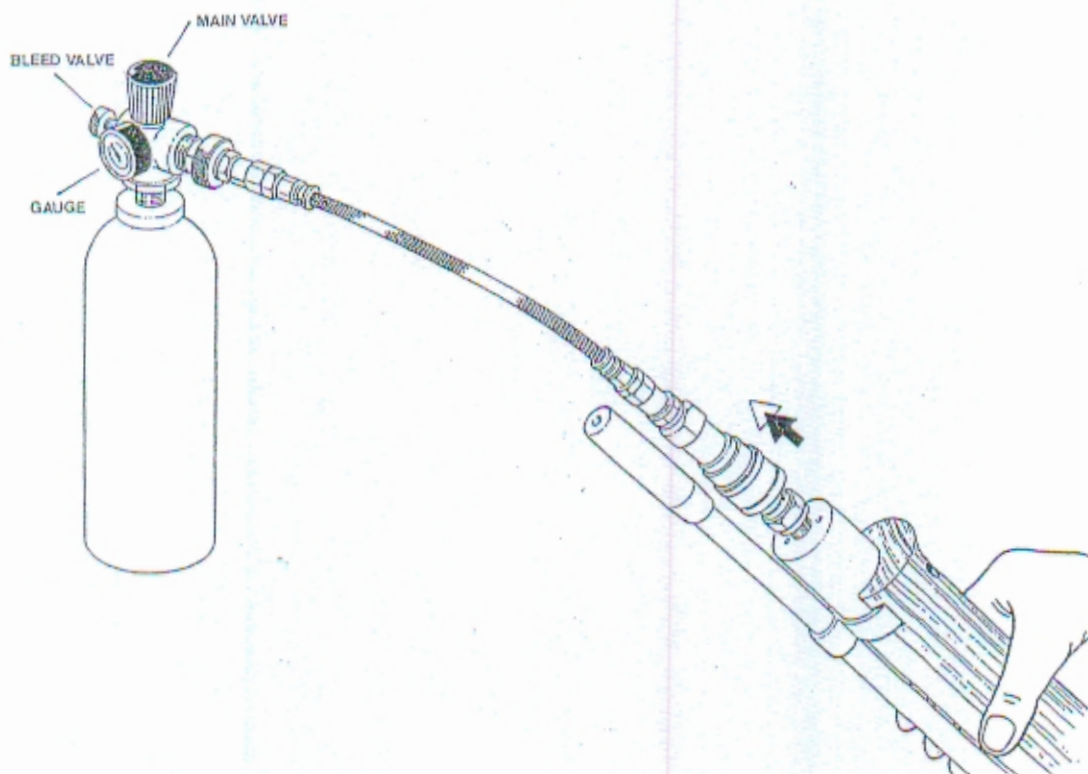
SCREW (C) ADJUSTS THE LENGTH OF THE FIRST STAGE TRAVEL, CLOCKWISE MOVEMENT DECREASES THE LENGTH OF TRAVEL.

REMEMBER THAT SMALL ADJUSTMENTS WILL MAKE A NOTICEABLE CHANGE TO THE OPERATION OF THE TRIGGER.



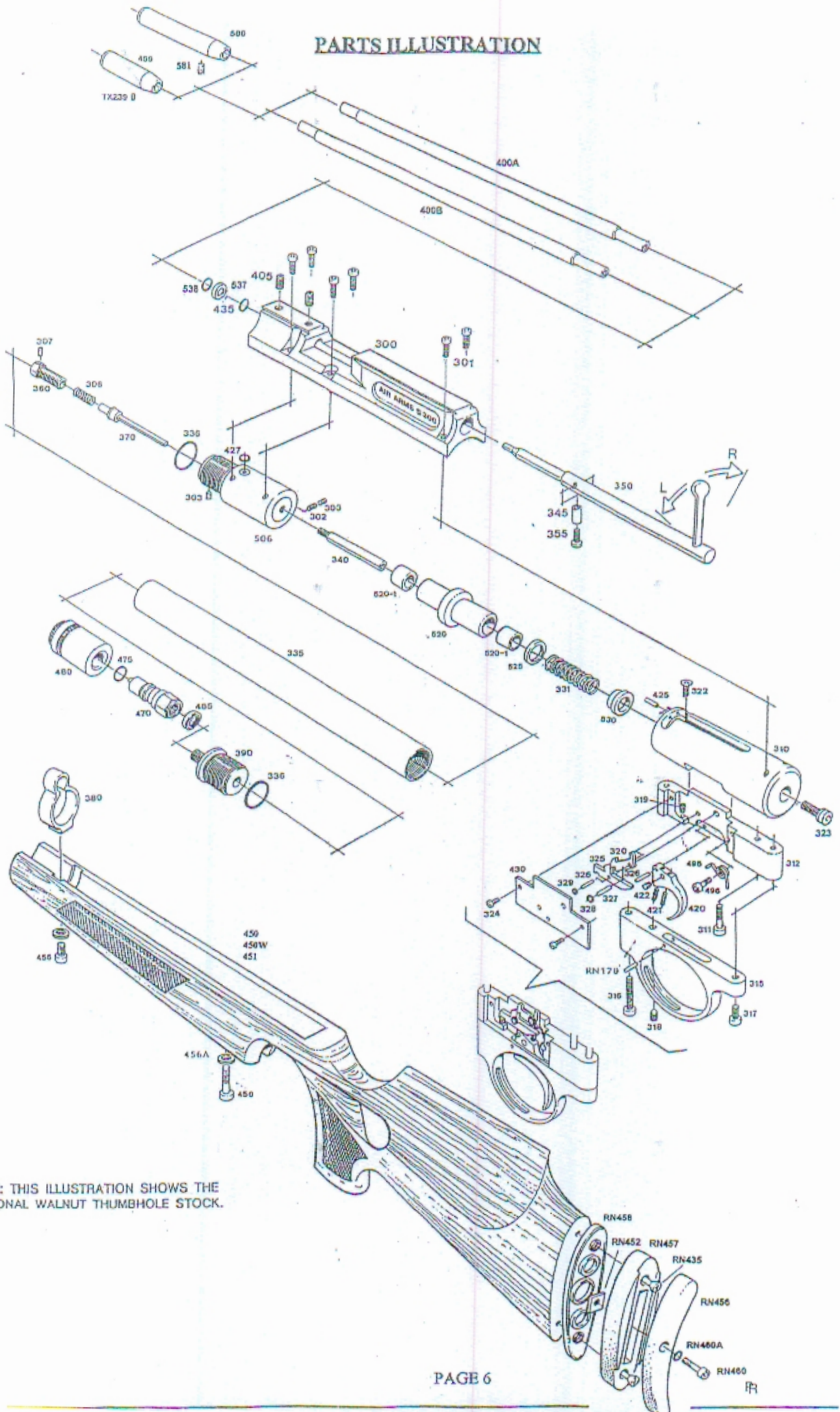
FILLING INSTRUCTIONS

- THE RIFLE MUST BE COCKED PRIOR TO FILLING.
- REMOVE THE END CAP FROM THE FRONT OF THE RIFLE. THE CAP IS REMOVED BY PULLING IN LINE WITH BARREL.
- PULL THE OPERATING RING BACK ON THE SNAP CONNECTOR FITTED TO THE END OF THE HOSE AND PUSH ONTO THE MALE CONNECTOR ON THE RIFLE.
- CHECK THAT THE BLEED VALVE IS SHUT ON THE MAIN VALVE (TURN CLOCKWISE TO SHUT).
- SLOWLY OPEN MAIN VALVE (ANTI-CLOCKWISE) AND OBSERVE GAGE. WHEN GAGE INDICATES REQUIRED PRESSURE, SEE BELOW *, CLOSE MAIN VALVE. (NOTE! AT LEAST 50 BAR PRESSURE IS REQUIRED BEFORE THE VALVE INSIDE THE RIFLE SEALS, AIR MAY BE HEARD TO ESCAPE FROM THE BARREL UNTIL THIS PRESSURE IS REACHED.)
- OPEN BLEED VALVE (ANTI-CLOCKWISE) TO RELEASE AIR IN FILLING HOSE.
- RELEASE SNAP CONNECTOR BY PULLING OPERATING RING BACKWARDS AND DISENGAGING.
- REPLACE END CAP.



FILLING PRESSURE
4.5mm/.177" cal 190 BAR
5.5mm/.22" cal 180 BAR

PARTS ILLUSTRATION



NOTE: THIS ILLUSTRATION SHOWS THE
OPTIONAL WALNUT THUMBHOLE STOCK.

SERIES 300 PARTS LIST

PART No	PART DESCRIPTION	PART No	PART DESCRIPTION
RN170	TRIGGER STOP PIN	S380	BRIDGE CLAMP
TX239	FIXING SCREW	S390	FILLING VALVE BODY
S300	BOLT HOUSING	S400A	BARREL (5.5mm .22")
S301	BOLT HOUSING FIXING SCREW	S400B	BARREL (4.5mm .177")
S302	TRANSFER PORT ADJUSTER	S405	BARREL FIXING SCREW
S303	LOCKING SCREW	S420	TRIGGER BLADE
S306	FIRING VALVE SPRING	S421	TRIGGER ADJUSTING SCREW
S307	AIR METERING SCREW	S422	LOCKING PAD
S310	STRIKER BODY	S425	BOLT HANDING PIN
S311	CHASSIS BLOCK SCREW	S427	BOLT HOUSING/BODY SEAL
S312	CHASSIS BLOCK	S430	COVER PLATE
S315	TRIGGER GUARD	S435	BARREL SEAL (4.5mm/.177" ONLY)
S316	FIXING SCREW (FRONT)	S450	STOCK - STD BEECH
S317	FIXING SCREW (REAR)	S450W	STOCK - WALNUT
S318	TRIGGER WEIGHT ADJ. SCREW	S451	STOCK - WALNUT THUMB-HOLE
S319	TRIGGER WEIGHT SPRING	S455	FRONT STOCK SCREW
S320	TOP SEAR	S456	REAR STOCK SCREW
S322	FIXING SCREW	S456A	STOCK SCREW WASHER
S323	FIXING SCREW	S459	MUZZLE END
S324	COVER PLATE SCREW	S465	BONDED SEAL
S325	BOTTOM SEAR	S470	MALE SNAP CONNECTOR
S326	CHASSIS PIN (SMALL)	S475	END CAP RETAINING RING
S327	CHASSIS PIN (LARGE)	S480	END CAP
S328	CHASSIS PIN SPACER (LARGE)	S495	TOP SEAR SPRING
S329	CHASSIS PIN SPACER (SMALL)	S496	SPRING SCREW
S331	MAIN SPRING	S506	VALVE BODY
S335	CYLINDER TUBE	S520	STRIKER
S336	CYLINDER TUBE SEAL	S520-1	STRIKER BUSH
S340	STRIKER GUIDE ROD	S525	PRE-LOAD WASHER (OPTIONAL)
S345	SLEEVE	S530	REAR SPRING GUIDE
S350	LOADING BOLT ASSEMBLY	S537	CARRIER (5.5mm/.22" ONLY)
S355	LOADING BOLT SCREW	S538	BARREL SEAL (5.5mm/.22" ONLY)
S360	POT	S580	SOUND MODERATOR
S370	FIRING VALVE ASSEMBLY	S581	FIXING SCREW
PARTS BELOW FOR THUMB-HOLE STOCK ONLY			
RN435	FIXING SCREW	RN458	BUTT PAD SPACER (OPTIONAL)
RN452	LOCATING WASHER	RN460	FIXING SCREW
RN456	BUTT PAD	RN460A	BELVILLE WASHER
RN457	BUTT PAD BASE		

IT IS HIGHLY RECOMMENDED THAT ONLY GENUINE AIR ARMS PARTS ARE FITTED TO YOUR RIFLE. THE USE OF NON-GENUINE PARTS WILL INVALIDATE YOUR WARRANTY. PLEASE QUOTE THE RIFLE & PART NUMBERS IN ANY CORRESPONDENCE.

THE MAKE AND TYPE OF PELLET USED TO TEST AND SET-UP YOUR RIFLE IS INDICATED BELOW

AIR ARMS HUNTER .22	16.0 grains	
AIR ARMS FIELD .22	16.0 grains	
AIR ARMS FIELD .177	8.5 grains	

USING THE CORRECT PELLET IS VERY IMPORTANT FOR ACCURACY AND PERFORMANCE OF YOUR AIR RIFLE. AIR ARMS PELLETS ARE HIGH QUALITY PRECISION PELLETS AND WILL GIVE EXCELLENT RESULTS EQUAL TO OR BETTER THAN ANY OTHER TYPE CURRENTLY ON THE MARKET.

IF YOU CHOOSE NOT TO USE AIR ARMS PELLETS, IT IS MOST IMPORTANT TO READ PAGE 1 OF THIS HANDBOOK IN RESPECT OF CHECKING VELOCITY AND CALCULATING MUZZLE ENERGY. ONLY USE HIGH QUALITY PELLETS.

NOTES