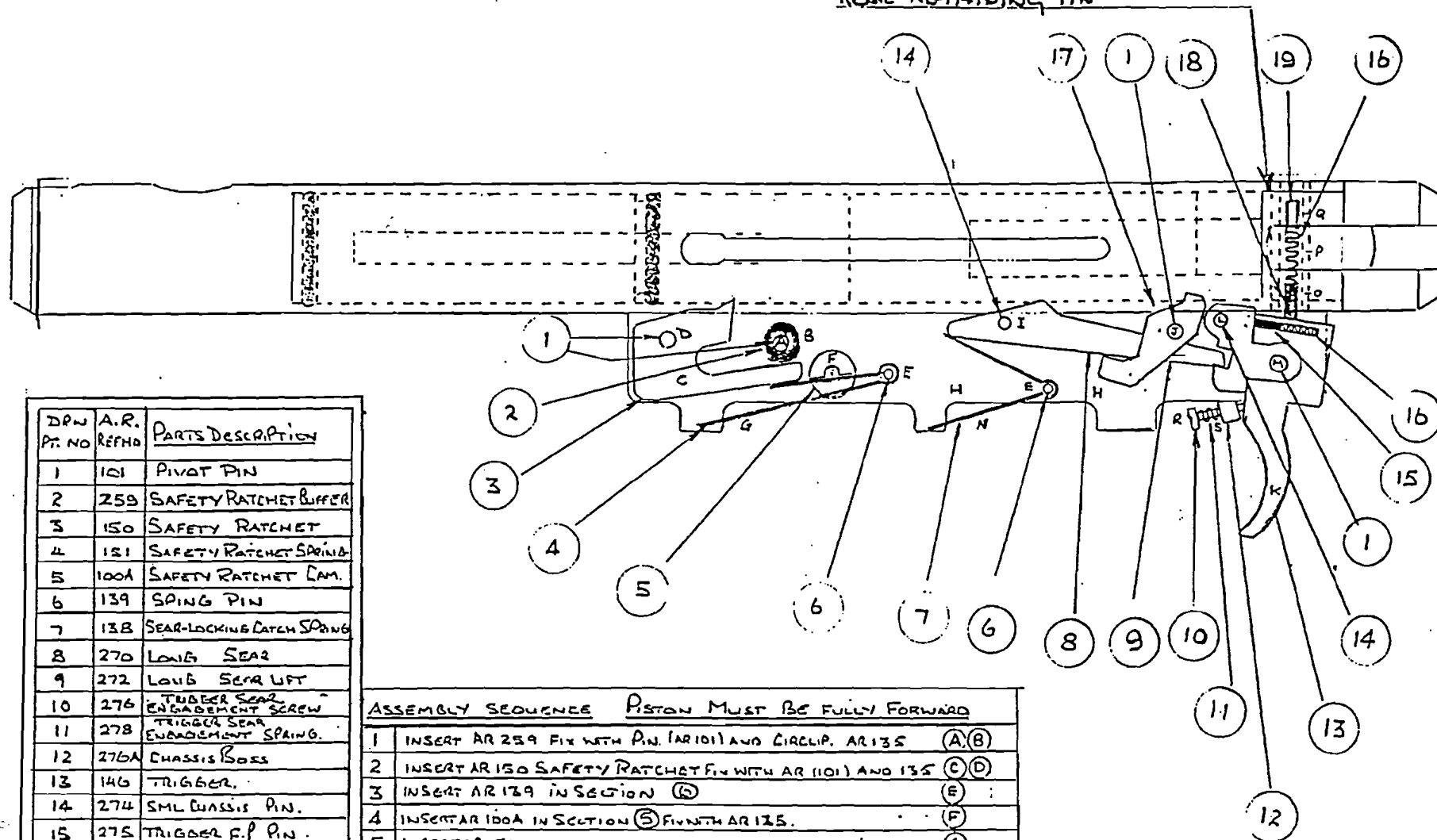


Rear Retaining Pin



DRW PT. NO	A.R. REFNO	PARTS DESCRIPTION
1	101	PIVOT PIN
2	259	SAFETY RATCHET BUFFER
3	150	SAFETY RATCHET
4	151	SAFETY RATCHET SPRING
5	100A	SAFETY RATCHET CAM.
6	139	SPRING PIN
7	138	SEAR-LOCKING RATCH SPRING
8	270	LONG SEAR
9	272	LONG SEAR LIFT
10	276	TRIGGER SEAR ENGAGEMENT SCREW
11	278	TRIGGER SEAR ENGAGEMENT SPRING.
12	276A	CHASSIS BOSS
13	146	TRIGGER.
14	274	SML CHASSIS PIN.
15	275	TRIGGER S.P. PIN.
-16	170	TRIGGER SPRING.
17	272	LONG SEAR LIFT.
18	262	TRIGGER. ADJ. PIN
19	263	TRIGGER ADJ. SCREW.
20		
21		
22		
-23		

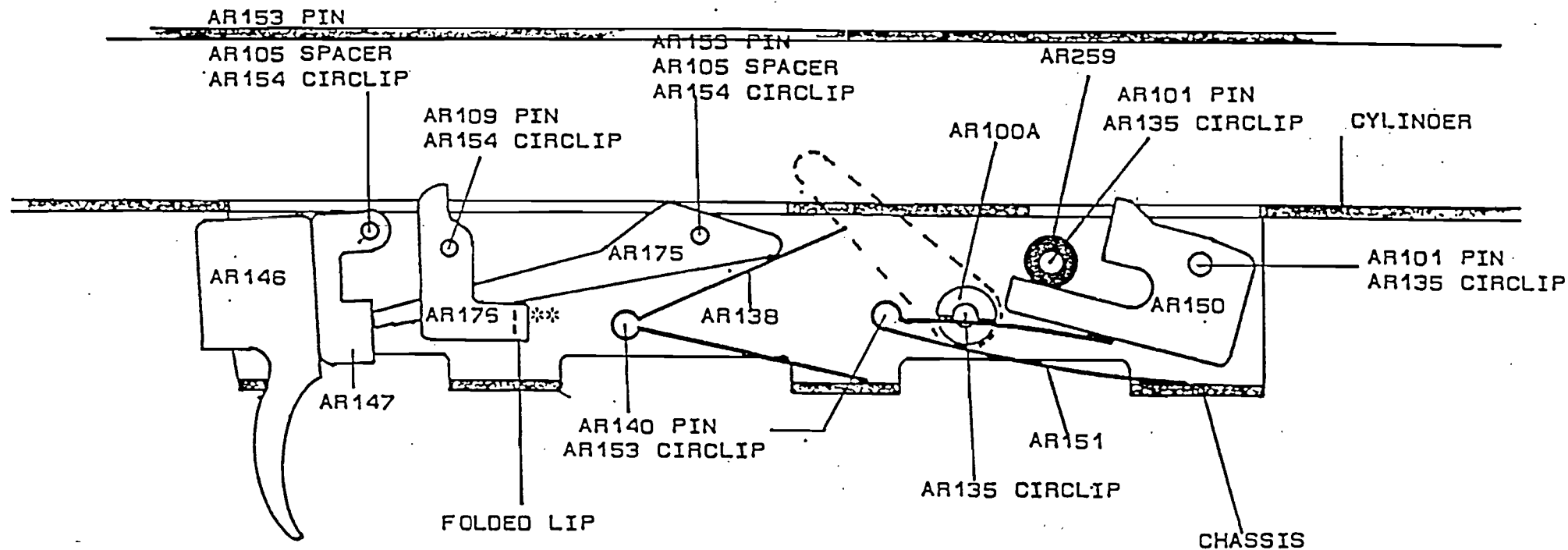
<u>ASSEMBLY SEQUENCE</u>		<u>PISTON MUST BE FULLY FORWARD</u>
1	INSERT AR 259 FIX WITH PIN (AR101) AND CIRCLIP. AR135	(A)(B)
2	INSERT AR150 SAFETY RATCHET FIX WITH AR (101) AND 135	(C)(D)
3	INSERT AR139 IN SECTION (5)	(E)
4	INSERT AR100A IN SECTION (5) FIFTH AR135.	(F)
5	INSERT AR151.	(G)
6	INSERT AR 270 AND AR 272 THROUGH APERTURE	(H)
7	INSERT AR274 SECTION (I) THEN AR101 PLUS AR135 SECTION	(J)
8	INSERT AR 146 FROM REAR OF CHASSIS A FIX WITH AR274 AND AR101	(K)(L)(M)
9	INSERT AR.138	(N)(O)(X)
10	INSERT AR 262 AR170 AR 263 SQUEW DOWN UNTIL WEIGHT OF REQUIRE IS REACHED.	(O)(P)(Q)
11	INSERT AR 276 AND 278 ADJUST FOR LENGTH OF PUL	(R)(S)

TIGHT

DRAWING No	AR128A/SEC	FIRST THIRD	ANGLE PROJECTION	DIMS IN METRIC INCHES	GENERAL TOLERANCES UNLESS STATED:-	ANGULAR:-
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ASSEMBLY SEQUENCE PISTON MUST BE FULLY FORWARD.

- 1 INSERT AR259 - Fix with PIN and CIRCLIP.
- 2 INSERT AR150 - Fix with PIN and CIRCLIP.
- 3 INSERT AR100A - Fix with CIRCLIP.
- 4 INSERT AR151 - Fix with PIN and CIRCLIP.
- 5 INSERT AR176 - Fix with PIN and CIRCLIP.
- 6 INSERT AR146/147 - Fix with PIN, SPACER and CIRCLIP.
- 7 INSERT AR175 - Fix with PIN, SPACER and CIRCLIP, making sure that folded lip on AR176 is below AR175.
see illustration at **.
- 8 INSERT AR138 - Fix with PIN and CIRCLIP.



NOTES:-

- AR153 Is a long stepped diameter pin.
- AR109 Is a short stepped diameter pin.
- AR101 Is a large diameter plain pin.
- AR140 Is a small diameter plain pin.

AR105 Spacer is fitted between chassis and Circlip.

THIS DRAWING AND DESIGN MUST NOT BE COPIED, REPRODUCED, OR
MAILED TO ANY THIRD PARTY WITHOUT PERMISSION
AND REMAINS THE PROPERTY OF:-

MATERIAL	TITLE AIR-ARMS	PART No	AR128A	
SURFACE & HEAT TREATMENTS	SECTIONAL VIEW OF CHASSIS COMPONENTS			

LUBRICATION

lubrication of any precision piece of equipment is essential for a long and trouble-free life. AIR ARMS air rifles are no exception to this rule.

Any good quality oil of the appropriate type can be used, however we strongly recommend the use of Jenolite gun care products. Jenolite Gun Oil and Jenolite Synthetic Lubricant are used during assembly at the factory and have been found to meet our exacting standards on lubrication.

The trigger chassis assembly is lubricated with molybdenum disulphide grease which will be sufficient to last for some time – only needing to be supplemented with the occasional few drops of oil.

One point to remember is that the very substance that is intended to prolong the life of the weapon can, in fact, actually have the reverse effect. This is when the lubrication oils ignite on firing and cause what is known as *dieseling*, resulting in damage to internal parts of the gun.

The most common cause of *dieseling* is over lubrication and/or using the wrong type of oil, particularly in the loading tap area. For this reason only use synthetic oils for lubricating the loading tap or any other part in close proximity.

To preserve the highly polished finish on the external metal parts gently wipe over with a soft oil-soaked cloth.

The piston head and barrel need very little lubrication.

Recommended Lubricants and Maintenance.

After each use of the gun:

Loading tap: Jenolite Synthetic Oil – 2/3 drops onto tap assembly – open and close tap several times to disperse oil.

Outer metal parts: Jenolite Synthetic Oil or Jenolite Gun Oil – to prevent corrosion of surface metal parts, lightly coat with oil using a soft cloth.

Ensure all screws are tight.

Every 500 shots: Jenolite Synthetic Oil or Jenolite Gun Oil:

Locking lever pivot: 2/3 drops onto pivot point.
Piston pull pivot: 2/3 drops onto pivot point.
Locking catch pivot: 2/3 drops onto pivot point.
Piston pull slot: 2/3 drops onto slot runners.
Loading tap lever: 2/3 drops onto pivot point

Every 5000 shots:

Barrel: Using Jenolite Synthetic Oil, 2/3 drops into open loading tap, close tap and carefully stand gun up with barrel to the floor, allowing oil to drain through the barrel.

Every 10,000 shots:

Chassis: Jenolite Gun Oil – Remove gun action from stock and apply 2/3 drops onto access points.

Annually:

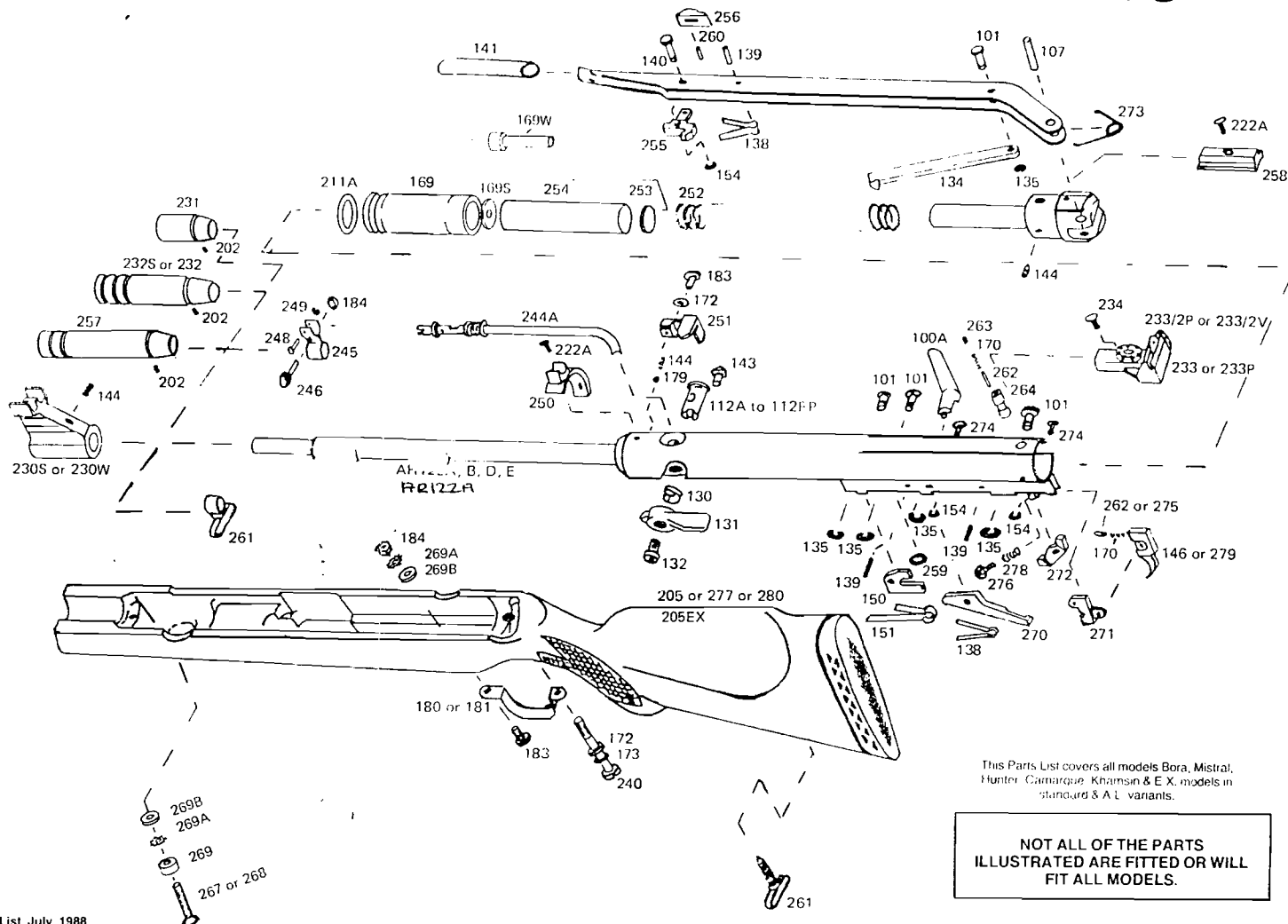
Chassis: Molybdenum Disulphide based grease. Remove gun action from stock and apply to access points.

Piston Head Seal: Jenolite Synthetic Oil. Apply 2/3 drops to piston 'O' ring. Apply through piston pull aperture accessible after pulling back cocking lever.

General:

Do not store your rifle in a damp place such as garden shed or garage. Never leave it in a cocked position, always ensure the cocking lever is fully closed before squeezing trigger. If you have just test the gun without firing a pellet ensure the tap is FULLY OPEN.

ELT OR SIMILAR BARREL CLEANING PADS MUST NOT BE USED IN THESE RIFLES.



This Parts List covers all models Bora, Mistral, Hunter, Camarque, Khamzin & E.X. models in standard & A.L. variants.

NOT ALL OF THE PARTS ILLUSTRATED ARE FITTED OR WILL FIT ALL MODELS.

Parts List, July, 1988

NOTE PART NUMBERS MUST BE QUOTED WHEN ORDERING SPARES

AR 100A	Safety ratchet cam assembly	AR 144	Locking screw & barrel fixing screw
AR 101	Pivot pin	AR 146	Trigger
AR 107	Cocking lever pivot pin	AR 150	Safety ratchet
AR 112A	Tap 22 cal. Fitted at factory only.	AR 151	Safety ratchet spring
AR 112B	Tap 177 cal. Fitted at factory only.	AR 154	Circlip (small)
AR 112C	Tap 20 cal. Fitted at factory only.	AR 169	Piston
AR 112FP	Tap 22 cal. (Autoload models only) Fitted at factory only.	AR 169S	Spacer
AR 122A	Barrel (Bora & Hunter only)	AR 170	Spring
AR 122B	Barrel 177 cal. Fitted at factory only	AR 172	Washer
AR 122D	Barrel 22 cal. Fitted at factory only	AR 173	Spring washer
AR 122E	Barrel 20 cal. Fitted at factory only	AR 179	Barrel fixing screw (not used)
AR 130	Loading tap spring	AR 180	Trigger guard
AR 131	Loading tap lever	AR 181	Brass trigger guard
AR 133	Cocking lever assembly	AR 183	Fixing screw
AR 134	Piston pull	AR 202	Locking screw moderator/muzzle weight
AR 135	Circlip (large)	AR 205	Leech stock
AR 138	Spring (Sear & locking catch)	AR 205EX	E.X. stock
AR 139	Spring pin locking catch	AR 211A	Piston sealing ring
AR 140	Pivot pin	AR 222A	Fixing screw
AR 141	Locking lever sleeve	AR 230S	Front sight (for use with moderator)
AR 144	Locking catch spigot	AR 230W	Front sight

AR 231	E.X. muzzle end	AR 260	Locking catch button pin
AR 232	Muzzle weight	AR 261	Front & rear sling swivel assembly
AR 232S	Muzzle weight (export)	AR 262	Trigger adj. pin & brass trigger 1st pull pin
AR 233	Rear sight assembly	AR 263	Trigger adjustment screw
AR 233P	Rear sight adjustment screws & body	AR 264	Rear plug retaining pin
AR 233/2P	Rear sight peep leaf	AR 265	Allen key set (not illustrated)
AR 233/2V	Rear sight vee leaf	AR 266	Rear plug pin extractor screw (not illustrated)
AR 234	Fixing screw (rear sight, sight arrester block)	AR 267	Front stock screw (excluding Khamzin & E.X.)
AR 240	Woodstock fixing screw (Rear)	AR 267Y	E.X. front stock screw
AR 244A	Autoload magazine assembly	AR 268	Front stock screw (Khamzin only)
AR 245	Autoload magazine assembly bracket	AR 269	Front stock screw brass spacer
AR 246	Autoload magazine bracket screw	AR 270	Long sear
AR 248	Autoload magazine tube clip pin	AR 271	Trigger sear
AR 249	Autoload magazine pin circlip	AR 272	Long sear lift
AR 250	Autoload rear clip	AR 273	Cocking lever torsion spring
AR 251	Autoload pellet stop	AR 274	Chassis pivot pin
AR 252	Mainspring	AR 275	Trigger 1st pull pin (plastic trigger)
AR 253	Mainspring pad	AR 276	Trigger sear engagement screw
AR 254	Mainspring sleeve	AR 277	Camarque stock
AR 255	Locking catch assembly	AR 278	Trigger sear engagement spring
AR 256	Locking catch button	AR 279	Brass trigger
AR 257	Sound moderator	AR 280	Khamzin stock
AR 258	Scope arrester block		
AR 259	Safety ratchet buffer		

Please note: The rifle is fitted with spare parts, Part No. AR 230S, unless specified otherwise.