

INSTRUCTION SHEET FOR BENJAMIN AIR PISTOLS

Nos. 110-112-117-150

STATE MODEL OF GUN WHEN WRITING TO FACTORY ABOUT IT, and show model number on all orders for parts and ammunition or other supplies. Enclose U. S. stamped self-addressed envelope with all inquiries.
IMPORTANT!—ALWAYS KEEP PISTOL ON SAFETY to prevent accidental discharges, until you are ready to shoot.



TO PUMP UP PISTOL, hold it in the right hand and pull pump lever away from barrel with thumb and index finger on left hand, then swing it all the way out or until pump washer passes air intake hole in pump barrel and push down on lever to fold it back against barrel fingers apart so they will straddle pump barrel to avoid pinching them. Pump four or five strokes for ordinary use; seven or eight strokes give maximum shooting force. KEEP SAFETY ON WHILE PUMPING. If pump binds and does not work freely, see that muzzle plug screws are tight and oil external moving parts to prevent wear and rust. Do not allow kerosene or oil to reach valves or enter air chamber as it will soften valve packing and may expand under pressure.

THERE IS NO ADVANTAGE IN PUMPING THESE GUNS UP TOO MUCH, as excessive internal pressure will not permit outlet valve to open wide when firing thus reducing shooting force, besides excessive strain will bend or break pump rod and other parts. If gun is hard to pump be sure you are not pumping against full air chamber. We are not responsible for broken pump levers or fulcrums, or bent pump rods. To reduce excessive internal pressure fire blank several times or until air chamber is empty.

No. 110 SHOOTS LEAD OR STEEL AIR RIFLE SHOT. After pistol is pumped up turn button on bolt to left until pin clears breech cap and pull bolt all the way back until trigger engages hammer when you will hear a click. THEN PRESS A ROUND AIR RIFLE SHOT (BB) IN END OF BOLT which is bored out for this purpose (not in hole of bolt which is for another purpose); push bolt forward and lock it by turning button to right which seals breech end of shot barrel and prevents air from escaping when firing, also advances shot to firing position, and shot will not roll out when aiming below level. CALIBER .177 DARTS can also be used in No. 110 by pushing pointed end into shot barrel at breech for playing games with a light charge of air. Use only best grade lead air rifle shot (BB) in this model for accurate shooting.

No. 112 SHOOTS CAL. 22 LEAD PELLETS. After bolt is pulled back place the pellet in breech opening at end of shot barrel with solid round end of pellet forward, then push bolt in and lock it, which advances pellet to firing position. PELLETS MUST BE HIGHEST GRADE TO SEAL RIFLING IN SHOT BARREL FOR ACCURATE SHOOTING. USE CAL. 22 GENUINE BENJAMIN H-C PELLETS FOR BEST RESULTS. WE DO NOT GUARANTEE SATISFACTORY PERFORMANCE WITH OTHER BRANDS. If your dealer cannot furnish Cal. 22 Genuine Benjamin H-C Pellets order direct from factory. Do not use Darts in this model as they are made of steel and may damage rifling in shot barrel.

No. 117 SHOOTS CAL. 177 LEAD PELLETS. After bolt is pulled back place the pellet in breech opening at end of shot barrel with solid round end of pellet forward, then push bolt in and lock it, which advances pellet to firing position. PELLETS MUST BE HIGHEST GRADE TO SEAL RIFLING IN SHOT BARREL FOR ACCURATE SHOOTING. USE CAL. 177 GENUINE BENJAMIN H-C PELLETS FOR BEST RESULTS. WE DO NOT GUARANTEE SATISFACTORY PERFORMANCE WITH OTHER BRANDS. If your dealer cannot furnish Cal. 177 Genuine Benjamin H-C Pellets order direct from factory. Do not use Darts in this model as they are made of steel and may damage rifling in shot barrel.

No. 180 SHOOTS STEEL AIR RIFLES (BB) SHOT ONLY. Fill the magazine with 8 steel shot and release feeder handle gently. After pistol is pumped up turn button on bolt to left until pin clears breech cap and pull bolt all the way back until trigger engages hammer when you will hear a click, then push bolt forward and lock it by turning button to right which seals breech end of shot barrel and prevents air from escaping when firing, also advances shot to firing position. After this is done the bolt should not be pulled back again until the gun has been fired, as each time the bolt is pulled back another shot automatically feeds from magazine and if the shot which was previously placed in firing position has not been discharged it will be released and roll out. Use only highest quality and uniform steel shot for best results. Ordinary steel (BB) shot with flats or dents will not give satisfactory operation. DO NOT USE LEAD AIR RIFLES (BB) SHOT IN this model. Do not use steel shot over again if it is in any way damaged. We will not assume any responsibility under our guarantee if lead shot or door frame and damaged steel shot is used in this model. At least two or more shots must be kept in magazine for shooting as the last shot is not fired out since it acts as a part of the feeding mechanism; however, the last shot can be removed if desired by tilting gun barrel so that it will fall out through feeding hole.

ALTER PISTOL IS LOADED TAKE SAFETY OFF by pushing safety button to left before aiming and firing; IF YOU DO NOT FIRE PUT SAFETY ON AGAIN AND KEEP IT ON until you are ready to shoot.
 DO NOT PUT PISTOL AWAY WITH A LOAD AND DO NOT FIRE UNLESS IT IS CHARGED WITH AIR. This pistol has a half trigger adjusted between 2 and 3 pounds same as the air arms.

IF PUMP LOSES COMPRESSION and does not offer any resistance when pushing pump rod in several times, take pump rod assembly out after removing muzzle plug screws and look at pump washer which may be too stiff and will not open up allowing the air to escape around it; soften pump washer with a little vaseline if dry, but be sure to wipe all excess grease off thoroughly. When pump washer is worn it should be replaced, and be sure pump rod screw is tightened securely, then trim edge of washer flush or even with top of brass washer by tying a string around outside of washer to hold it in place. To assemble pump rod in pump barrel, take pistol in left hand and hold pump assembly in right hand at a slight angle with slot in pump barrel up, then rotate pump rod and guide pump washer in barrel with fingers of left hand, at the same time bring pump rod gradually in line with pump barrel and pump pump washer in to bottom of slot of pump barrel; use end of small screw driver or pocket knife blade to hold pump washer down until it passes slot in pump barrel, then put back the muzzle muzzle plug screws and tighten them.

SOMETIMES VALVES LEAK ON FIRST PUMP, but usually seat themselves after pressure is raised in air chamber, unless they are worn. YOU CAN KEEP A LIGHT CHARGE OF AIR in pistol to keep valves seated. Usually all of the air is not discharged when firing and fewer pump strokes will be needed for recharging. If there is no pressure in air chamber when you start pumping it may sometimes be necessary to cock the hammer which takes pressure off the outlet valve.

IF GUN IS OUT OF ORDER it should be returned to factory for repairs unless you have special tools for servicing this model. SEND THE COMPLETE PISTOL TO FACTORY CAREFULLY packed for PREPAID EXPRESS for examination and SEND A LETTER TO FACTORY BY MAIL at the same time shipment is forwarded advising what the trouble is. AIR PISTOLS ARE NOT ADMITTED IN U. S. MAILS TO INDIVIDUALS AND MUST BE SHIPPED BY EXPRESS.

REAR SIGHT ON ALL MODELS IS ADJUSTABLE and can be moved to right or left when checking sights; shooting slightly high or low is not a defect as this can be corrected when making necessary repairs. We will not assume responsibility for satisfactory operation of new parts unless we overhaul the gun.

KEEP FOR FUTURE REFERENCE

Nos. 110-112-117-150 Repair Parts—Description of Parts and Price List

Parts marked * not subject to replacement—do not order

101	Breech Cap (State Model).....	1124	Muzzle Plug.....	.75
102	Breech Cap Screws.....	1126	Front Sight.....	1.00
103	Trigger Pin.....	1127	Rear Sight (Adjustable).....	1.00
104	Trigger Spring.....	1131	Rear Sight (Not Shown).....	.25
106	Trigger Washers.....	1133	Pump Expander (Not Shown).....	.15
109	Stock Washers.....	1149	Pump Barrel.....	.15
119	Pump Washer.....	1120	Pump Lock Washer.....	.15
128	Front Assembly Screw.....		(Not Shown).....	
130	Stock Screws.....	1502	Pump Lever.....	.75
131	Stock Screws.....	1503	Pump Link.....	.50
134	Outlet Valve.....	1505	Muzzle Plug Screws.....	.05
135	Outlet Valve.....	1506	Lever Latch Screws.....	.15
137	Outlet Valve Seat.....	1507	Lever Latch.....	.15
138A	Stock Frame.....	1508	Air Chamber.....	2.50
138L	Left Hand Stock.....	1509	Pump Hinge Screw.....	.15
139R	Right Hand Stock.....	1510	Handle Pins.....	.10
140	Outlet Valve Lock Screw.....	1511	Plug Hinge Pin.....	.10
142	Brass Washer.....	1513	Shot Barrel.....	.10
145	Valve Spring.....	1514	Link Hinge Pin.....	.10
146	Pump Rod Screw.....	1515	Sight Screw.....	.15
154	Safety Spring.....	1516	Lever Latch Spring.....	.15
154	Safety Button.....	1517	Lever Handle.....	.75
156	Ball Bearing.....	1518	Pump Rod Only.....	.75
158	Bolt Bearing Spring Washer.....	1520	Pump Lock Pin.....	.10
162	Relay Bearing.....	1522	Gun Barrel.....	.10
164	Bolt Assembly Screw.....	1523	Pump Rod Nut.....	.75
166	Bolt Button.....	1524	Muzzle Plug.....	.75
168	Bolt Complete (State Model).....	1526	Front Sight.....	1.00
188	Bolt Guide Screw.....	1527	Rear Sight (Adjustable).....	1.00
189	Trigger Relay Pin.....	1549	Pump Barrel.....	1.50
190	Bolt Button Screw.....	1566	Bolt Complete.....	1.50
191	Frame Dovetail Pin.....	1570	Feed Stop Screw.....	.15
192	Hammer Pin.....	1571	Shot Stop Spring.....	.15
193	Hammer Spring.....	1572	Feeder Spring.....	.25
195	Ball Friction Spring.....	1575	Feeder Plunger.....	.25
196	Pump Lever.....	1577	Feeder Plunger Retainer Screw.....	.50
1102	Pump Link.....	1579	Feed Stop Spring.....	.15
1103	Muzzle Plug Screws.....	1580	Feeder Guide.....	1.00
1106	Lever Latch Screws.....	1581	Feeder Block.....	1.00
1107	Lever Latch.....	1583	Hammer Pin.....	.10
1108	Air Chamber.....	1594	Feeder Block Screws—Ets.....	.05
1109	Handle Hinge.....	1599	Lead Air Rifle Shot, per lb.....	.75
1110	Pump Hinge.....		Lead Air Rifle Shot, per lb.....	.75
1111	Shot Barrel.....	1571	Cal. 177 Pellets (packed 500) Per M.....	3.50
1113	Link Hinge Pin.....	1572	Cal. 177 Pellets (packed 250) Per M.....	3.80
1115	Sight Screw.....	1575	Cal. 22 Pellets (packed 500) Per M.....	4.30
1116	Lever Latch Spring.....	1576	Cal. 22 Pellets (packed 250) Per M.....	4.60
1117	Lever Handle.....	1577	Cal. 177 Darts, dozen.....	1.20
1118	Pump Rod Only.....	1578	Cal. 22 Darts, dozen.....	1.20
1120	Pump Lock Pin.....	1579	25 ft. Pistol Targets, Per 100.....	2.00
1122	Gun Barrel.....		Per 1000.....	2.00
1123	Pump Rod Nut.....		Per 1000.....	3.50
1124	Leather Holster with snap buttons on belt loop and safety strap.....			3.75
1125	Fixture for Shaping and Trimming Leather Pump Washer.....			.75
1126	Wrench for Unscrewing Outlet Valve Lock Screw.....			1.00
1127	Tool for Extracting Outlet Valve Seat.....			2.00

ENCLOSE PAYMENT WITH ORDERS for ammunition or parts and tools and advise catalog number or model of gun. Send money order or bank draft if prompt shipment is wanted. We will not accept Stamps. Allow time for personal checks to clear. Do not enclose cash unless registered. Minimum Order 50¢. INCLUDE 2¢ for PACKING AND POSTAGE with orders for supplies and parts, under \$5.00; over \$5.00 add 5% to order for shipping charges in U.S.A. WE PREFER NOT TO SHIP C.O.D. We do not return old parts.

BENJAMIN AIR RIFLE CO.,

