Pump Gun Conversion Kit

Please Note: To install this kit you must have a mainbody with an enlarged sear slot; all 68AUTOMAGs and MINIMAGs manufactured after June 1994 will have this type of mainbody. If you are unsure of the date, check with the factory. You will also need a custom rail with a pump slot. All current custom rails from Airgun Designs have the required slot.

Tools required:

1/8"Allen (hex) wrench

3/16"Allen (hex) wrench (For disassembly)

Please read all instructions prior to assembly.

Initial Installation:

- Degas marker and remove gas source.
- 2. Remove Barrel, Valve Assembly, mainbody, and Vertical bottle adapter (if so equipped) from the Rail.
- 3. Remove Power Tube Tip to access the Power Tube Spring. Remove Power Tube Spring and replace with Power Tube Spacer included in kit. Reinstall Power Tube Tip. See Figure A.
- 4. Remove blue Bumper from the Power Tube and replace with black Bumper included in kit.
- 5. Place Wave Spring around black Bumper.
- 6. Remove Frame Assembly from Rail
- Remove all parts necessary from your old rail and install onto new rail (i.e. Sear Assy, Bottle Mounts, etc.)
 See Figure B.
- 8 Remove Pump Rod from storage position in Pump Handle Assembly.
- Insert L-shaped end of Pump Rod into oval hole in Pump Handle Assembly and snap Pump Rod firmly into place as shown in Figure B.
- 10. Slide Pump Handle Assembly onto front of Rail, ensuring that Pump Rod rests in Pump Slot and that Pump Post Mount rests underneath Rail.

For Markers without Vertical Bottle Adapter:

- 11a. Place 1/4-20 hex nut in bottom of Pump Post Mount.
- 12a. Insert 1/4-20 x 1/2" screw through Rail into nut and tighten.
- 13a. Reassemble marker.

For Markers with Vertical Bottle Adapter:

- 11b. Place Vertical Bottle Adapter under Pump Post Mount.
- 12b. Insert long 1/4-20 x 3/4" screw through Rail and Pump Post Mount into Vertical Bottle assembly and tighten.
- 13b. Reassemble marker.

NOTE: Pump Handle Assembly may be removed from Marker without mainbody removal by using a 3/16" Allen wrench to unscrew Pump Post from its mount.

Converting Pump Marker to Semi-Automatic Marker:

NOTE: The Pump Post Mount can remain on the marker.

- Degas marker and remove gas source.
- 2. Remove Valve Assembly.
- 3. Remove Wave Spring from black Bumper.
- Remove black Bumper from the Power Tube and replace with blue Bumper.
 (NOTE: Power Tube Spacer may need to be removed for proper operation.)

Converting Semi-Automatic Marker to Pump Marker:

- 1. Degas marker and remove gas source.
- 2. Remove Valve Assembly.
- 3. Reinstall Power Tube Tip and remove blue Bumper from the Power Tube.
- 4. Replace blue Bumper with black Bumper.
- 5. Place Wave Spring on black Bumper.
- 6. Place Pump Post mount under front of Rail.

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