

Model	Other model names	Date	Revision	Revision date
Revolution Troubleshooting		2022-04-06		

In this manual we will refer to the official detail drawing.

1. Too much weight in the pellet used. 1,030 grams/16 grains are preferred and is what's used when tested.
2. The semi-auto is depending on the pressure in the tank, 150-200bar is preferable. Outside this range the semi-auto might fail.
3. Expansion chamber (D) has moved from it's original position.
Should be seated 385mm from the breech block (red marking in the picture).
4. Reloading chamber (B) has moved from its original position.
Should be seated 55mm from the stock (blue marking in the picture).
5. O-ring inside the barrel breach is damaged or missing.
6. Small fragments of lead that can prevent air from flowing thru the air return channel (B2).
Most common is that it is stuck in the bend (D5) beneath the expansion chamber (D).
Remove front cap (D3) and clean out the expansion chamber, loosen screw D1 and the expansion chamber and remove lead fragments from the bend.
This can be the result after accidently loading and shooting two pellets.
7. You have to push hard on the trigger or if it feels like it gets stuck.
Re-adjustment can be tried as first action, if this does not help replace trigger wheel (E2) and sear (E6) then re- adjust. See separate instructions.
8. Power: Lack of power or too much power can cause the rifle to shoot two pellets and not reload correctly.
Low power can be caused by broken hammerspring (H21) or too much lubricate in the system, especially on the hammer assembly. This can also cause problem no:6. Preferred power is 930-950 ft/s.
9. Reloading pressure: Later models of Revolution has an air evacuation adjustment (B3). Here you can adjust the force of the reloading. If it feels like it reloads to hard you might want to release some of the air or if you have attached a Silencer. You simply open it up so it releases some of the reloading pressure by adjusting the screw counter-clockwise. If fully closed (maximum reloading pressure) you should see threads from the screw (B3) in the evacuation hole. If fully opened you will not see the thread (minimum reloading pressure). Reloading adjustment area marked green in the picture.
10. Cocking/pellet probe (H6) gets stuck and is not smoothly moving in breech block.
This probably needs work from a gunsmith as it might be pin (H12) that has hammered the rear point of the slot in barrel housing (H4) causing it to seize or jam.
Rifled need to be disassembled and aluminum has to be grinded out of the breech block.

