

The Drozd “Bumblebee” FAQ version 1.0

All information is from the Drozd Forum, author is cited on occasion

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1. Barrel

- a. How long is the barrel?
 - i. 7.312 inches, not 10 inches as stated in the manual
- b. What is the thread size of the barrel?
 - i. metric M12x1.0
 - ii. Very unusual thread, even by metric standards. The only application I have seen for this thread is in small combustion engine spark plugs, such as those in a lawn mower. What they sell at tactical innovations is an adapter, from M12x1.0 female to 1/2-28 male. If you want to make your own adapter and you are looking for one of these M12x1.0 taps, you can get one from McMaster-Carr (PN: 26015A221). They are \$23.25. (Searat1)
- c. What can I attach to the barrel?
 - i. an adapter from www.tacticalinc.com will let you attach any M16 compatible barrel accessory
- d. Will steel BB's ruin the barrel?
 - i. no, EAA stated that the barrel is harder than Crosman Copperhead BB's
- e. What is the dimension of the bore?
 - i. .174
- f. Will the Drozd shoot Airsoft ammo?
 - i. no, Airsoft is 6mm, the Drozd is 4.5mm

2. Velocity

- a. What is the highest FPS (feet per second) measured?
 - i. 694 fps ?
- b. What is the average FPS measured?

- i. 500 fps
- c. What is the average FPS after some modifications?
 - i. about 600 fps

3. Painting

- a. Can I purchase an all black gun?
 - i. NO, customs requires the yellow
 - ii. however, some have able to acquire black guns through the Internet
- b. What is the best paint to use?
 - i. pressure dye service @ \$40
 - ii. Alumahyde II from www.brownells.com
- c. Will painting it void the warranty?
 - i. yes

4. Accessories

- a. What kind of sights / optics can the rail hold?
 - i. 3/8 or 11mm clamp, BSA red dot @ \$30
 - 1. only one clamp will secure to the rail but there is no wiggling
 - 2. 7/8 weaver clamps do not seem to fit right
- b. Can I mount a custom rail?
 - i. a 4 inch pictany rail can be added to the top by taking it apart
- c. How can I attach a M4 stock?
 - i. ?
- d. Is it legal to add a silencer or sound suppressor?

- i. NO, all silencers are illegal unless permission from the ATF is acquired
- ii. fake suppressors are available and they have the benefit of being able to attach accessories to them (i.e. flashlight, laser, etc.)

5. Repairs

a. Can I get spare o-rings / seals from EAA?

- i. yes, there is a kit available from EAA @ \$16
- ii. Go to your Drozd Air Rifle Instruction Manual and turn to Page 15. Diagrams A and B will help identify these seals.

Two identical small, black O-rings. These are extras of Part #52, CO2 cylinder seals.

One larger black O-ring. This is Part #41 in the upper valve of the magazine.

One small, clear O-ring. Part #38, valve ring in the magazine.

These could come in very handy over time. For information, that little seal kit from EAA is a flat \$16.00 plus shipping which might run as much as the \$10.00 minimum handling charge they have. The three black O-rings are a flat \$3.50 each and the clear one is \$4.50 if you order them individually.

O-rings at my local plumbing shop like that run a hefty 15 to 20 CENTS each so you do the math. I haven't checked to see the difference if it is metric or not but I'm doubting there could be that much difference. They're squishy.

And finally, the Part #4, Barrel Gasket, that you may have to order in time runs \$4.50 right now plus shipping from EAA. (olpistolpacker)

b. Can I get a new circuit board from EAA?

- i. yes, @ \$75

6. Bulk Systems

a. How many shots will I get with a bulk system?

- i. that depends on the size of the tank
 - ii. 7 oz. bottle = about 1100 shots
 - iii. 3.5 oz. bottle = about 600 shots
- b. What size of a bulk CO2 should I use?
 - i. a 9 oz. bottle seems the best if you want to add a butt stock cap to the bottle
- c. Should I leave the CO2 bottle attached to the bulk system?
 - i. ?
- d. Does it matter how the CO2 bottle is positioned?
 - i. ?

7. Other Questions

- 8. What is the little black cap on the side of the gun?
 - a. you can pop it off with a knife to reveal the solenoid duration adjuster
 - b. if it cannot be popped out, take the gun apart and punch it out from the inside
- 9. How can I increase power in my Drozd?
 - a. turn the solenoid duration adjuster to the right
 - b. add a barrel extension to allow for CO2 expansion
 - c. use a bulk CO2 system for consistent power
 - d. let the CO2 cartridge warm up between shots
 - e. widen diameter inside main valve to increase CO2 flow
 - f. use fresh / quality batteries
 - g. use ammo with a tighter fit
- 10. How do I port the main valve?

- a. use a dremel tool with a carbide straight bit and port the top (where the valve is) and use a 3/16th's bit to drill into the expansion chamber. I just ported it until I couldn't see an obstruction through the chamber

11. How many shots will I get on a set of batteries?

- a. about 6,000 shots with Duracell Coppertops

12. Can the gun be modified to shoot "full" auto?

- a. possible, no information available yet

13. How do I take the gun apart?

- a. All you have to do is unscrew the threaded bushing at the muzzle of the barrel. After doing that, hold the grip with one hand and the forend with the other hand and carefully separate them about a 1/4 to 1/2 inch, then remove the black cover behind the rear sight which covers the solenoid.

After doing this you basically have two choices: either unsolder the two wires at the solenoid or cut the wires where the two halves meet. I suggest you do the latter and install some pin connectors (I used AMP type pins/sockets) so that you don't have to solder/unsolder these wires every time you want to take the gun apart.

After that, slide the foregrip out of the barrel and remove the two screws of the black cover. If you want to tap out that plug covering the access hole for the pot, you will have to remove the circuit board so you will need to remove the trigger by pulling it up. Watch that trigger spring when you do this because if you are not careful you will be spending the next two hours looking for it. Once the trigger is out, the circuit board will be loose and can be taken right out. The barrel unscrews right out of the grip half of the gun.....Hope this helps. (Searat1)

14. How many shots should I get per cartridge of CO2?

- a. this will vary from gun to gun
- b. it will depend on how the solenoid adjuster is tuned
- c. it will depend on the temperature outside
- d. between 2 or 3 clips

15. Will the Drozd kill an animal?

- a. you wont be killing a bear with it, but probably, yes

16. Is there something I can use as a spare reloader?

- a. Wal-Mart sells a little refillable Marksman widget with a squeeze neck to meter the BB's right into the magazine fill hole. A great back up without paying \$10 to \$15 bucks plus shipping. It is only \$1.96 with a load of BB's.

17. What is the ring on the bottom of some magazines?

- a. That ring is not there for attaching a swivel to. In Europe they also have smaller, shorter powerlets (8 gram, I believe) in addition to the standard 12 gram powerlet. That ring is just there to aid in the screwing/unscrewing of the plunger when switching from one type powerlet to the other and it serves as a "wing screw" to give you more torque. I doubt if you will find any of those Euro type Drozd magazines in the US. (Searat1)

18. what does "Drozd" mean?

- a. woodpecker in Russian

19. What is the range of the Drozd?

- a. accuracy is lost after 15 yards
- b. bottle caps at 20-25 feet
- c. aluminum can bottoms @ 15 yards
- d. accuracy drops as CO2 PSI drops

20. What is the best ammo to use?

21.