

Service Manual

Dragon Lab Burner

Model No.

Dragon 100

Dragon 200

Dragon 220



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Instruction

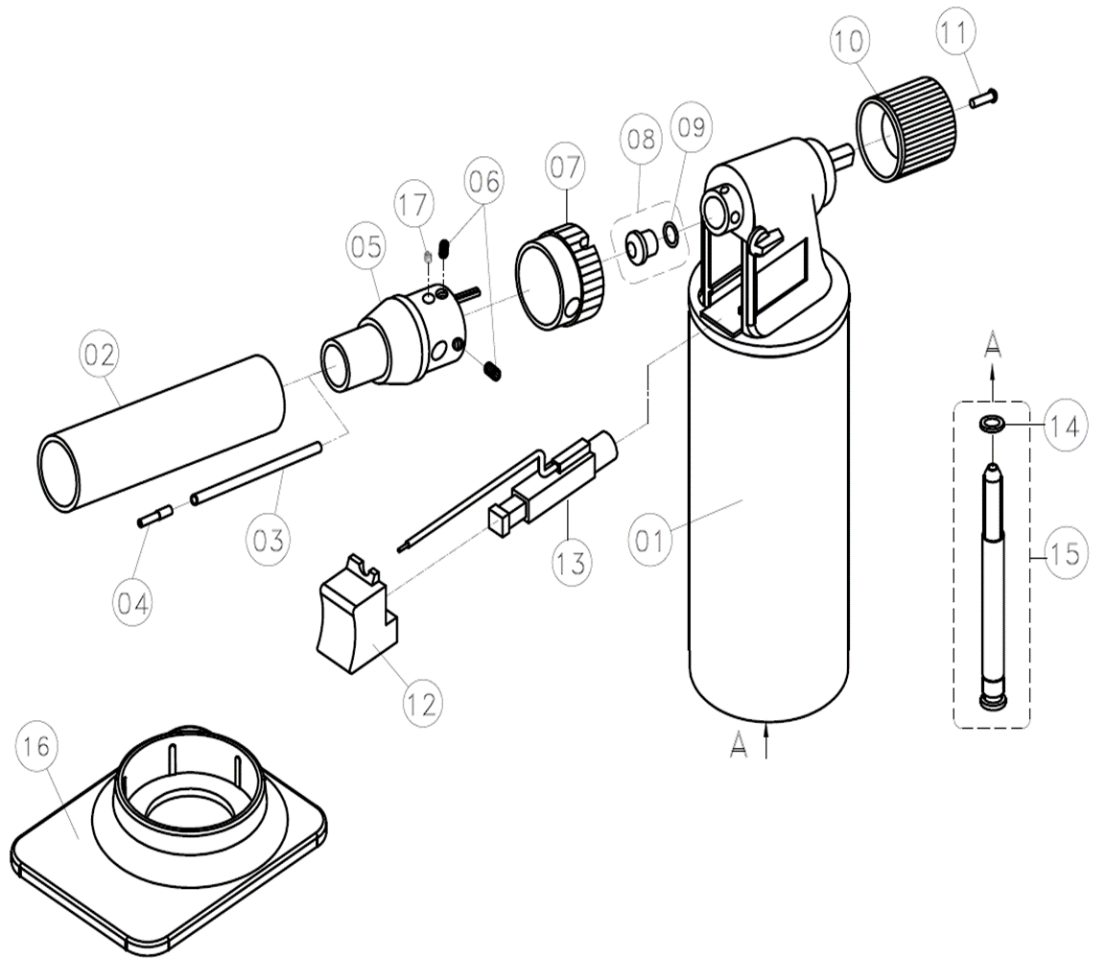
- **Applicable Models:** Dragon 100 · Dragon 200 · Dragon 220
- **Tools Preparation:** Screwdriver, Hexagon Spanner
- **Maintenance Note:**
 1. Please disassemble the burner in well-ventilated area to avoid gas poisoning.
 2. Ensure there is no gas leakage before disassembly
 3. To avoid damaging the parts, please use correct tools to disassemble the instrument

Most Common Problems & Solution

Common Problem	Cause	Solution
Ignition failure	1.No fuel in the tank	Check if there is fuel in the tank. If no, refill the gas.
	2.Air valve is not ON at proper position	Adjust the position of air valve
	3.Malfunction of the piezo	Replace the piezo
	4. Oxidization of igniting part	Use sand paper to polish the oxidized part
	5.Nozzle is damaged	Replace the nozzle
Air Leakage	1.O-ring fatigue	O-ring could be fatigued because of long time use. Replace the O-ring on air leak position.
	2.The fixing screw loose	Retighten the screw
Fail to refill the gas	1.The filling valve is damaged	Replace the filling valve
	2.The wrong way to refill the gas	Check if the refilling way is correct

Exploded Part List

Dragon 100

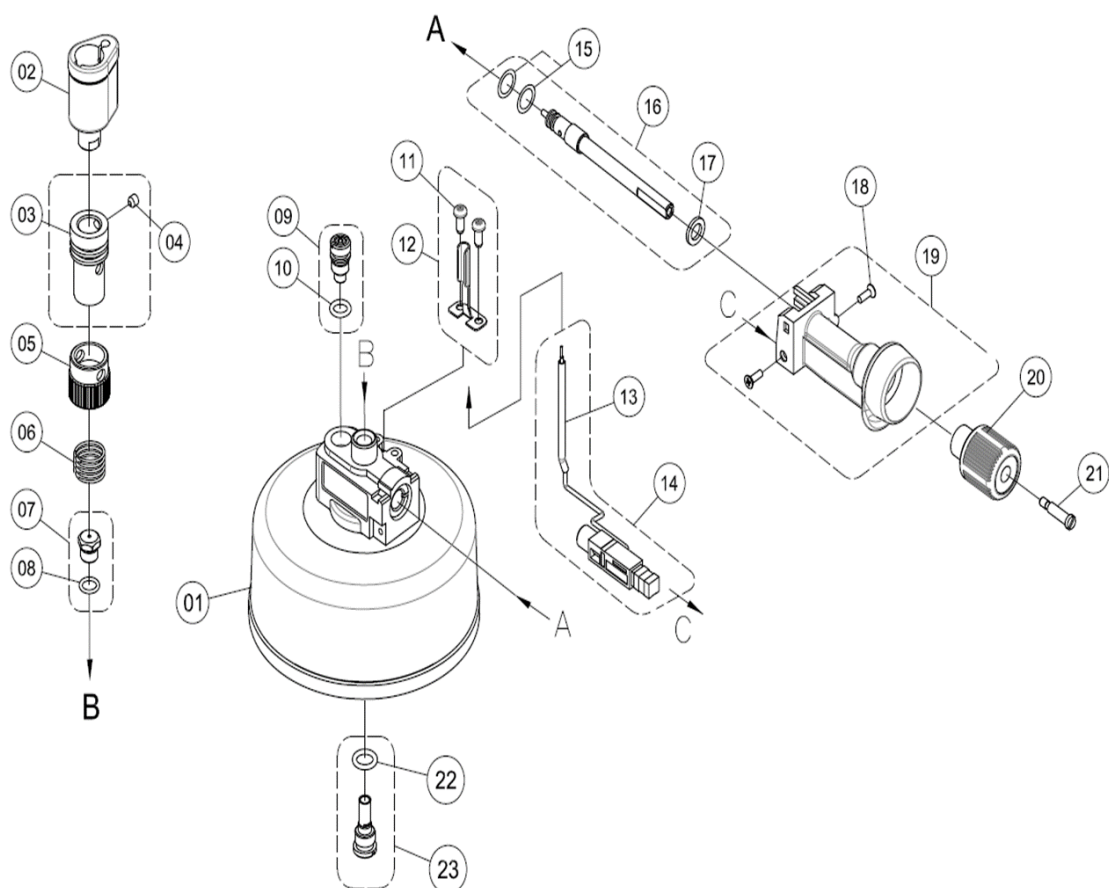


Index No.	Description	Q' ty	Index No.	Description	Q' ty
1	Body Ass'y	1	10	Regulating Knob	2
2	Flame Guard Ass'y	1	11	Screw	1
3	Insulating Tube	1	12	Trigger	1
4	Ceramic Tube	1	13	Piezo	2
5	Adapter Ass'y	1	14	O-Ring	1
6	Screw	1	15	Filling Valve Ass'y	1
7	Air Flow Regulating Sleeve	1	16	Stand	1
8	Nozzle Ass'y	1	17	Spring	1
9	O-Ring	1			

Video Links:

Disassembly	https://drive.google.com/file/d/1EI8De2k3asLfhyosbDDlwrYhqkFkAqIA/view?usp=sharing
Assembly	https://drive.google.com/file/d/12idJxRfSLWX0w25bOpbKOne935vpwZCo/view?usp=sharing
Replacement of Piezo	https://drive.google.com/file/d/1smoSu9Zkl_8GfK1CiU9LiTBhH3f-HMT/view?usp=sharing

Dragon 200

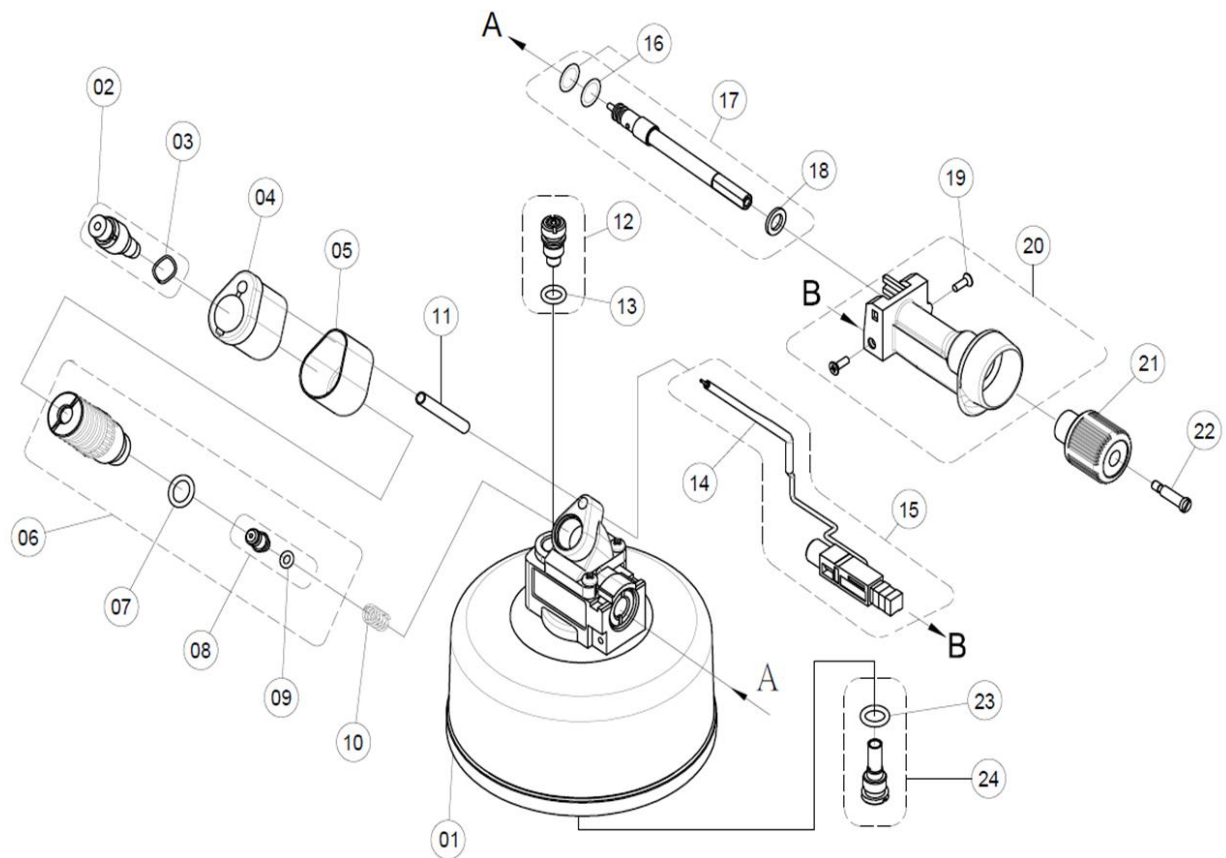


Index No.	Description	Q' ty	Index No.	Description	Q' ty
1	Body Ass'y	1	13	Teflon Tube	2
2	Ceramic Ass'y	1	14	Piezo	1
3	Connector	1	15	O-Ring	1
4	Screw	1	16	Regulating Screw Ass'y	2
5	Air Flow Regulating Sleeve	1	17	Spacer	1
6	Spring	1	18	Screw	1
7	Nozzle Ass'y	1	19	Holder, Piezo	1
8	O-Ring	1	20	Regulating Knob	1
9	Release Valve Ass'y	1	21	Screw	1
10	O-Ring	1	22	O-Ring	1
11	Screw	1	23	Filling Valve Ass'y	1
12	Supporter	1			

Video Links:

Disassembly	https://drive.google.com/file/d/1smoSu9Zkl_8GFk1CiU9LiITBeH3f-HMT/view?usp=sharing
Assembly	https://drive.google.com/file/d/1gjSlpKPZEcj1CnQa3wiWXn38NFgPU-R2/view?usp=sharing

Dragon 220



Index No.	Description	Q' ty	Index No.	Description	Q' ty
1	Body Ass'y	1	13	O-Ring	2
2	Distributor Ass'y	1	14	Insulating Tube	1
3	Spring Washer	1	15	Piezo	1
4	Ceramic Ass'y	1	16	O-Ring	2
5	Air Flow Regulating Sleeve	1	17	Regulating Screw Ass'y	1
6	Connector Ass'y	1	18	Spacer	1
7	O-Ring	1	19	Screw	1
8	Nozzle Ass'y	1	20	Piezo Holder	1
9	O-Ring	1	21	Regulating Knob	1
10	Spring	1	22	Screw	1
11	Brass Tube	1	23	O-Ring	1
12	Release Valve Ass'y	1	24	Filling Valve Ass'y	

Video Links:

Disassembly	https://drive.google.com/file/d/1tIHuYHX5OLMf8IJRZiR4cBSJ2oFT2ytH/view?usp=sharing
Assembly	https://drive.google.com/file/d/10_1OdAuoEeoqm9L6NH2gU0_v1OumExHr/view?usp=sharing