

February 2023



MADE IN USA 

NINJA MICRO FILL PANEL V3 OWNER'S MANUAL


Part number: MICROFP



WARNING: This is not a toy. Misuse may cause serious injury or death. Eye protection designed specifically for paintball must be worn by the user and persons within range. Recommend 18 years or older to purchase. Persons under 18 must have adult supervision. **READ OWNERS MANUAL BEFORE USING.**

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 **WARNING: ONLY FOR COMPRESSED AIR OR NITROGEN.**

 **WARNING:** The fill panel is **NOT** a regulated panel. The fill panel will deliver the pressure supplied to the input hose assembly. If you need to regulate the air supply source to 4500PSI or lower, we recommend you install the Ninja High Pressure Fill station between the air supply source and the Fill Panel.

The fill panel has 1 micro hose assembly attached

FILL HOSE WITH NON WHIP SAFETY FEMALE QD

The fill hose has the Ninja safety qd attached. This will help reduce the chance of hose whip by slowly draining the pressure if the male fitting is not secured. Even with this safety feature we recommend you always hold the fill hose when in use.

START UP

Secure the fill panel using the (4) holes in the base with appropriate screws.

Attach the air supply source to the input JIC-4 fitting, DO NOT OVER TIGHTEN (see Figure 2.2 on page 2).



WARNING: Do not exceed 4500 psi, the fill panel is NOT regulated and will deliver the same pressure as the air supply source input. If you need to regulate the air supply source to 4500PSI or lower, we recommend you install the Ninja High Pressure Fill station between the air supply source and the Fill Panel.

FILL PROCEDURE

- Connect the air system to the Micro Fill Hose assembly QD. Make sure it is fully connected and the collar is closed. Do not force a male nipple into the qd!
- Push and hold the button down to start the fill.
- Release the button to vent. The venting of the unit will be under the micro fill panel body.
- Wait for venting to stop. If it does not stop the male fill nipple on the tank you are filling could be not holding air properly. Once completely drained replace the male fill nipple and try filling again.
- Disconnect the air system.

If the unit leaks under use

First check the (18) JIC-4 fitting for fill whip, during use these can loosen over time.

Check the (8) gauge and gauge threads for leaks and replace the gauge if leaking. If the unit still leaks under use, replace the (11) 004-90 PU cast O-ring:

1. REMOVE AIR SOURCE.

2. Using a 3/4" wrench, unscrew the (2) Housing Nut (F2.1) and remove the button/shaft assembly (F3.1).

3. Remove the (15) Return Spring (F3.1).

4. Using a 3/16" allen key preferably WITHOUT a ball end, remove (4) O-ring Jam Nut (F3.2).

5. Remove and replace the (11) 004-90 CU cast O-ring (F3.3). Lube the oring lightly with silicone lube.

6. After replacing the (11) 004-90 CU cast O-ring reinstall the (4) Oring Jam Nut to a hard stop using a 3/16" allen key, do not over- torque.

7. Reinstall the (15) Return Spring by inserting the spring into the counter bore in the (4) O-ring Jam Nut.

8. Grease the lower shaft with a silicone based O-ring lube and reinstall the button/shaft assembly (F3.1) by: Inserting the shaft through the (15) Return spring and pass through the (4) Oring Jam Nut and (11) 004-90 PU cast O-ring and threading the (2) Housing Nut (F2.1) back into the (1) Main Body. The housing nut should be tight and do not over-torque.

If the unit leaks while not in use

First check the (18) JIC-4 fitting for input hose, during use these can loosen over time.

Check the (16) 2 plugs located at the back and front of the unit. If the unit is still leak check (7) the brass mini plug for leaks – if this is leaking replace (13) plug O-ring:

1.REMOVE AIR SOURCE

2.Turn unit upside down and unscrew (7) plug with a 7/16 socket and remove (7) plug and (15) spring and (14) ball from the unit, then replace (13) O-ring.

3.Inspect O-ring area for contamination and clean plug and main body.

4.Lube O-ring lightly with silicone lube. Insert (15) spring in (7) plug and place (14) ball on top of spring. Turn (1) body back right side up. Reinstall plug assembly until tight, do not over-torque.

If unit is leaking from end of the fill hose replace the (6) seat and (12) seat O-ring:

1.REMOVE AIR SOURCE

2.Follow procedure above for plug assembly removal.

3.Follow the procedure above for the top end assembly removal.

4.Using a .080 pin push the (6) seat out from the (1) body thru the bottom from the top by using the .080 pin thru the top of the unit and contacting the (6) seat with the pin. The (6) seat should need a light push to remove it from the body and have it fall out thru the bottom.

5.Clean the seat area in the (1) body thru the bottom of the unit and make sure it is clean and free of any contamination.

6.You may flip the (6) seat over and try and use the other side if a new (6) seat is not available but a new (6) seat and (12) oring is recommended. Lube the oring with a light coat of silicone lube.

7.Install the (6) seat with oring into the (1) body with a blunt object so you do not damage the seat, a pencil eraser end works well. Make sure the (6) seat is fully installed up into the (1) body.

8.Inspect the ball and spring for damage or corrosion and replace if needed.

9.Reassemble the unit by following the steps above for the bottom and top of the unit.

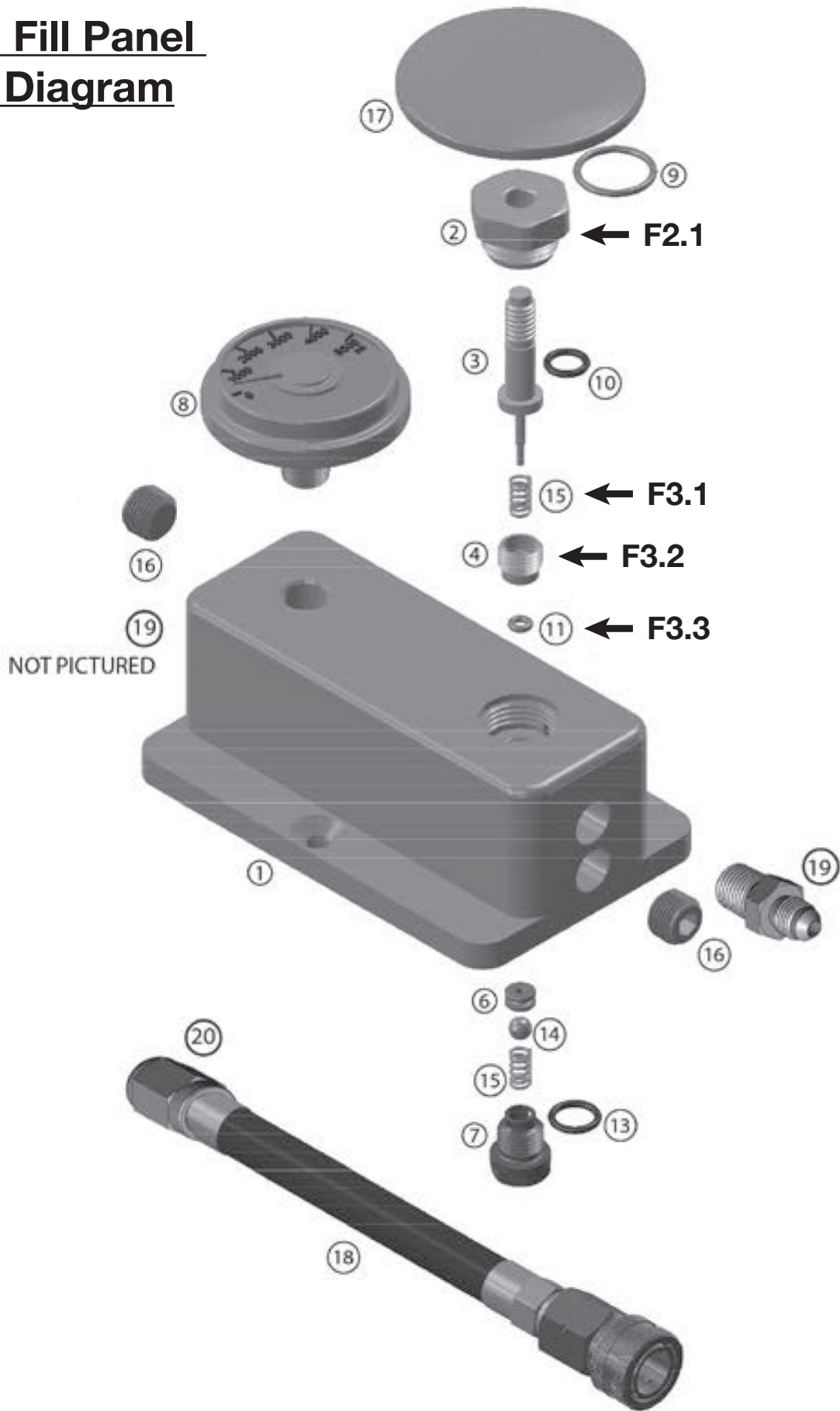
Micro Fill Panel Parts Diagram List

1	FILL PANEL V3 BODY	1	MICROFILL100BLK
2	FILL PANEL V3 HOUSING NUT	1	MICROFILL-200
3	FILL PANEL V3 SHAFT	1	MICROFILL-300
4	FILL PANEL V3 O-RING JAM NUT	1	FP400-01
6	HP MINI SEAT	1	MINISEAT
7	HP MINI PLUG	1	FILLPLUG
8	6000 PSI GAUGE	1	HPFSGAUGEPSIBAR
9	015 O-RING	1	015-90U
10	010-70 BUNA O-RING	1	010-70B
11	004-90 URETHANE O-RING	1	004-90U

13	011-70 BUNA O-RING	1	011-70B
14	.188 BALL	1	96455K51
15	RETURN SPRING	2	LPRSPRING
16	1/8" NPT PLUG	2	5406-FLP-2EF
17	BUTTON	1	6214K28
18	FILL HOSE ASSEMBLY	1	MICROFPHOSE
19	1/8 MNPT X JIC #4	2	5205.04.02
20	JIC #4 HOSE END	1	1002MKJIC4

Micro Fill Panel

Parts Diagram



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