

INSTRUCTION MANUAL

SERVICEKIT PREMIUMPLUS



**DEDICATED TO
DRAFT QUALITY**

PRODUCTION DATE IDENTIFICATION



Production date and serial no.

On the side of your PremiumPLUS regulator you can find the serial (12 digits) and part no.

The unique serial no. is created from the date it is produced: year, month, day, hour, minute and second (YYMMDDhhmmss).

Production date is first 6 digits (YYMMDD).

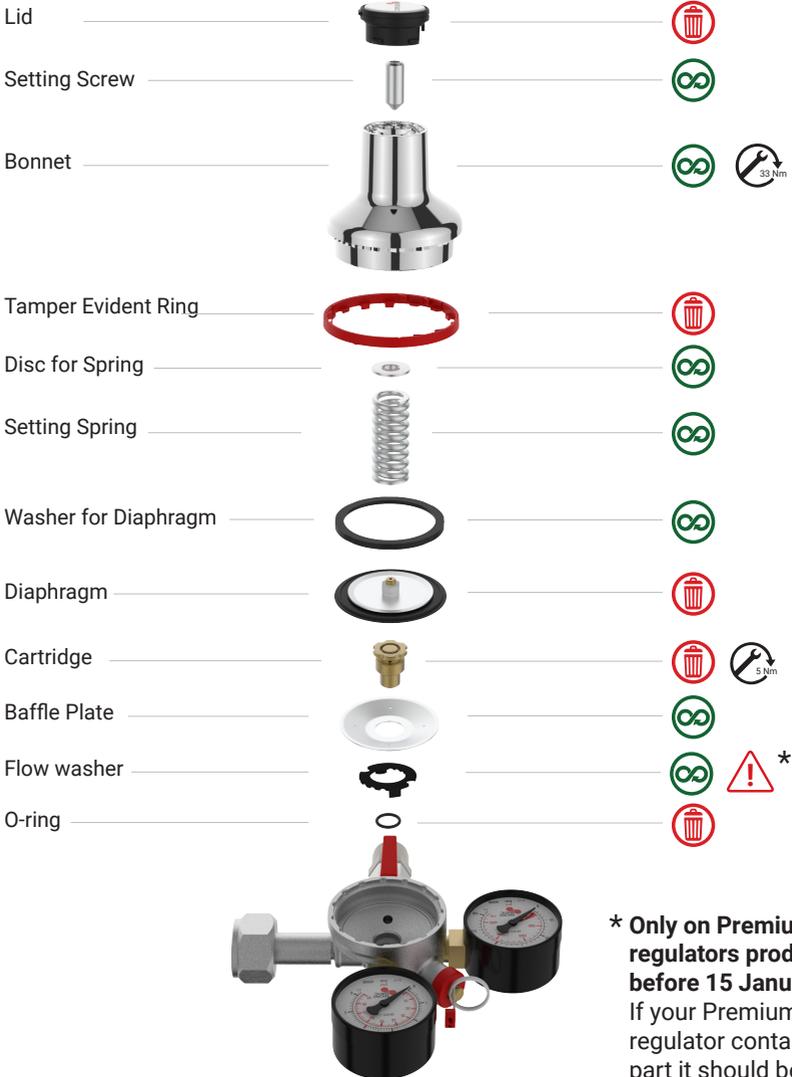
1. PARTS OVERVIEW



Reuse - the existing part should be reused.

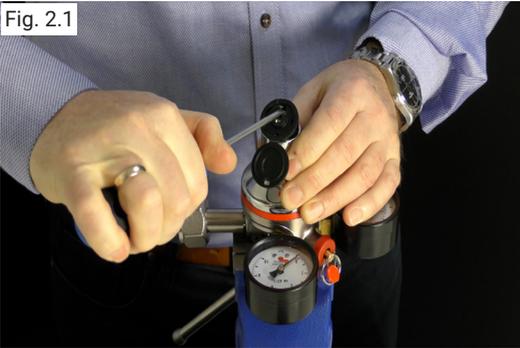


Scrap - use new part from Service Kit.



2. DISASSEMBLY OF REGULATOR

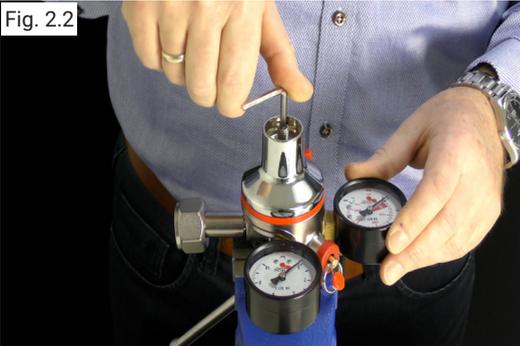
Fig. 2.1



Remove the lid with a flat slot screwdriver.

Scrap the lid.

Fig. 2.2



Release the tension on the setting spring, by turning the setting screw anticlockwise with a 4 mm allen key, until the screw is loose.

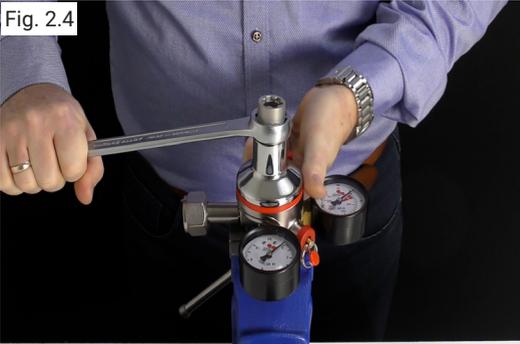
Fig. 2.3



Place the service tool, so that the four grooves fits the four ribs on top of the Bonnet.

2. DISASSEMBLY OF REGULATOR

Fig. 2.4



Turn the service tool counterclockwise, by using a 24 mm spanner, so the Tamper evident ring breaks.

Fig. 2.5



Release the Bonnet completely by hand – the Bonnet is to be reused.

Scrap the tamper evident ring.

Fig. 2.6



Remove the spring disc and the setting spring.

The parts are to be reused.

2. DISASSEMBLY OF REGULATOR

Fig. 2.7



Take up the Diaphragm.

Fig. 2.8



Separate the diaphragm washer from the diaphragm.
Reuse the washer and scrap the diaphragm.

Fig. 2.9



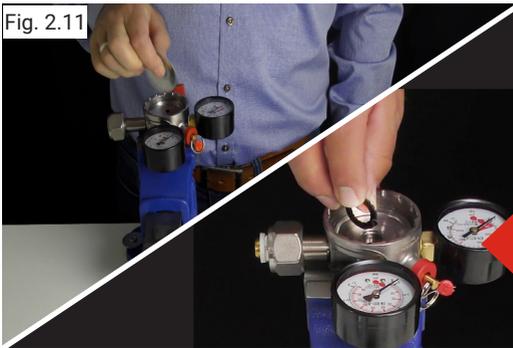
Place the service tool, so that it locks into the geometry of the Cartridge.

2. DISASSEMBLY OF REGULATOR



Turn the service tool counterclockwise by using a 24 mm spanner.

Release the Cartridge completely by hand and scrap it.



Remove the Baffle plate and reuse.



For units produced **before 15 January 2020** (see page 2 for production date reference), please also remove the flow washer. The flow washer is to be reused.

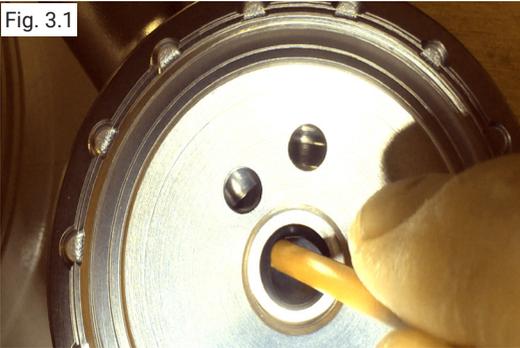


Remove the old o-ring by using the o-ring installation tool from the kit. Scrap the o-ring.

DO NOT USE A SCREWDRIVER!

3. ASSEMBLY OF REGULATOR

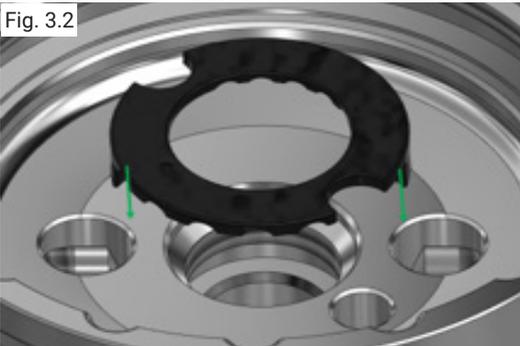
Fig. 3.1



Install carefully the new o-ring in the groove by using the o-ring installation tool.

DO NOT USE A SCREWDRIVER!

Fig. 3.2



For units produced **before 15 January 2020** (see page 2 for production date reference), please re-fit the flow washer.

Fig. 3.3



Place the reused Baffle plate as shown on the picture.

3. ASSEMBLY OF REGULATOR

Fig. 3.4



Fit the new Cartridge by turning it clockwise by hand.

Fig. 3.5



Tighten the new Cartridge with a torque of 5 Nm (± 0.5 Nm) by using the service tool and a torque wrench.

Fig. 3.6



Install the new Diaphragm
Position as shown on the picture.

3. ASSEMBLY OF REGULATOR

Fig. 3.7



Be sure to push the new Diaphragm to the bottom of the regulator housing.

Fig. 3.8



Place the reused Washer for Diaphragm on top of the Diaphragm – with the groove facing down like illustrated on the picture.

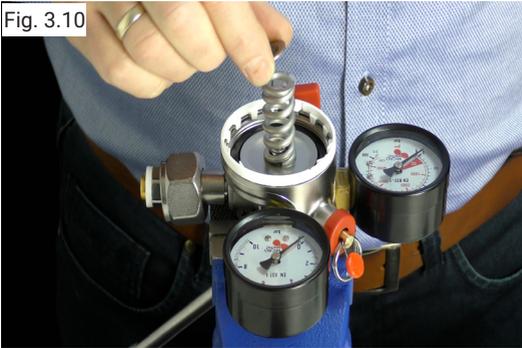
Fig. 3.9



Fit the new Tamper evident ring - orientated as shown on the picture.

3. ASSEMBLY OF REGULATOR

Fig. 3.10



Place the reused setting spring and the reused spring disc. The spring disc must be orientated as shown on the picture.

Fig. 3.11



Place the reused bonnet and turn it clockwise.

Fig. 3.12



Place the service tool and tighten it with a torque of 33 Nm (± 3 Nm) by using a torque wrench.

4. TESTING

Fig. 4.1



LEAK TEST

Connect the regulator to a gas cylinder. Pressurize the regulator and detect for leaks with Leak Detection Spray or soap water, externally on regulator.

Fig. 4.2



FUNCTION TEST

With the pressurized regulator, the working pressure must increase when the setting screw is turned clockwise and decrease when the setting screw is turned counterclockwise.

Fig. 4.3



Adjust the working pressure before mounting the Tamper evident lid.

Done!



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