

Inline second-stage adjustment tool



In this document we discuss the use and operation of the 4 different unbalanced in-line second stage adjustment tools that can be found in our webshop.

Tool types

SLOTTED inline adjustment tool
SLOTTED inline adjustment tool with gauge

SKU: 1800-SST-075 / GTIN: 8720828266694

SKU: 1800-SST-052 / GTIN: 8720828266670

HEX inline adjustment tool
HEX inline adjustment tool with gauge

SKU: 1800-SST-076 / GTIN: 8720828266700

SKU: 1800-SST-074 / GTIN: 8720828266687

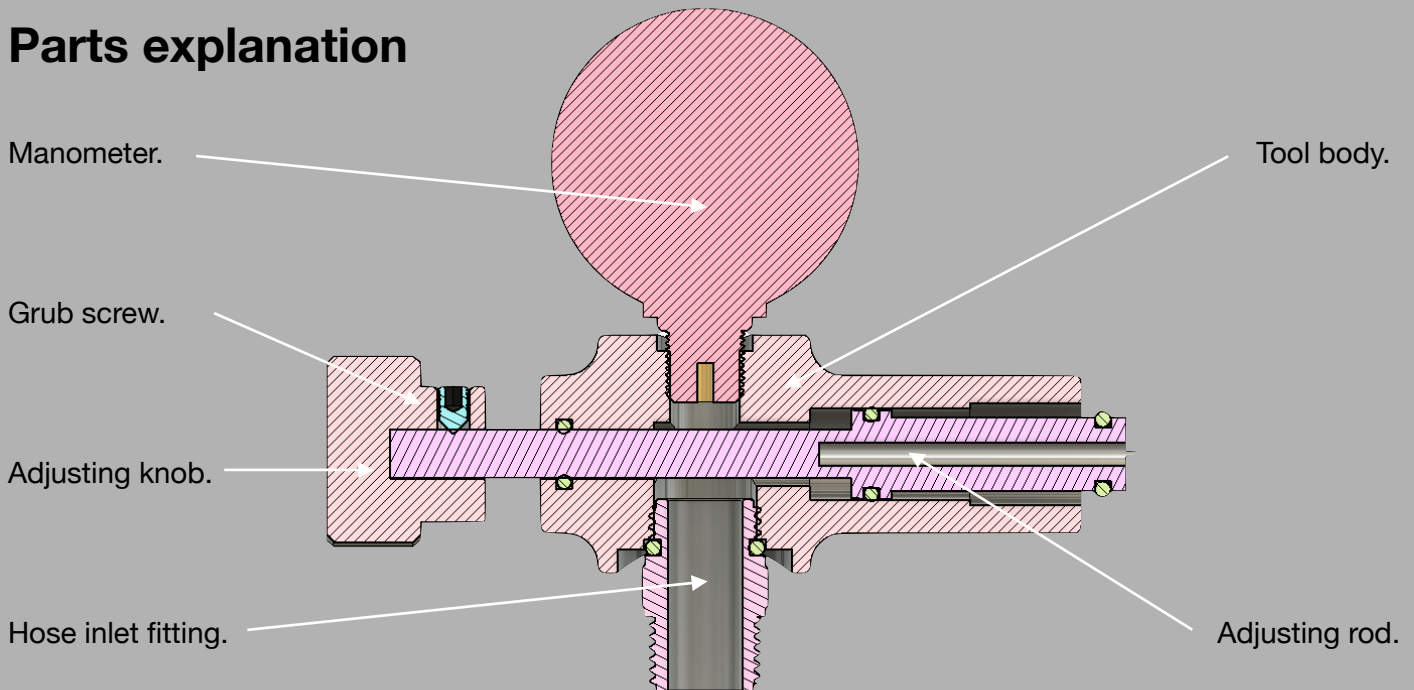
The slotted or hex inline orifice adjustment tool connects in-line between the 2nd stage regulator and the LP hose, allowing adjustments while the hose is pressurized.

The slotted or hexagonal side can be inserted into the 2nd stage to allow the orifice to be turned to find exactly the proper adjustment for the 2nd stage air inlet.

The tool's pressure gauges are from the German brand "wika" and have a range of 0 to 16Bar or 0 to 230Psi with a connection of G1/8"

They are also equipped with a pressure gauge protection cap made of black rubber to prevent damage during use.

Parts explanation



* The parts for both the slotted and the hex connection function the same, and there is no difference in O-ring size or thickness.

User instructions

- Make sure that there is no pressure on the hoses when connecting the inline second stage adjusting tool.
- Thread the middle pressure hose of the second-stage that's to be adjusted onto the bottom of the tool.
- Then connect the second stage that's to be adjusted to the slotted or hex connection of the tool.
- Carefully locate the slotted or hex opening in the second stage orifice by turning the knob on the back of the tool and slowly pushing it towards the regulator.
- Now you can slowly pressurize the regulator, if during the opening leaks occur depressurize and check our trouble shooting item.
- The second stage can now be adjusted by loosening or tightening the orifice in the second stage.
- Do not over tighten the connections during assembly, all of the connections are o-ring sealed so finger tight is enough.

- After finishing with your adjustments pull back the adjusting rod making sure it is not inside the slotted or hex second stage orifice and turn of the pressure now depressurize the system.
- Disconnect and remove the tool and your regulator is ready for use.

Trouble shooting

- If the connections just made are leaking, we recommend that you release the pressure and check the connections on dirt or any other build-up and after cleaning try again.
- A continuous free flow after plugging in can mean that the second stage orifice has been loosened too far inside the second stage correct this by turning it in slowly till the free flow stops.
- If the tool itself leaks somewhere, the o-rings in the tool must be replaced (see the o-ring sizes)
- Leaking tool manometer, reseal with sealing compound or sealing tape (3 turns of tape is optimal).
- Improper mounting of the adjusting knob can lead to free flow of the adjusting tool, always make sure the knob is fully seated to the end of the opening on top of the adjustment rod before screwing it back on.

Maintenance

To ensure that the tool continues to function properly, we recommend the following service actions.

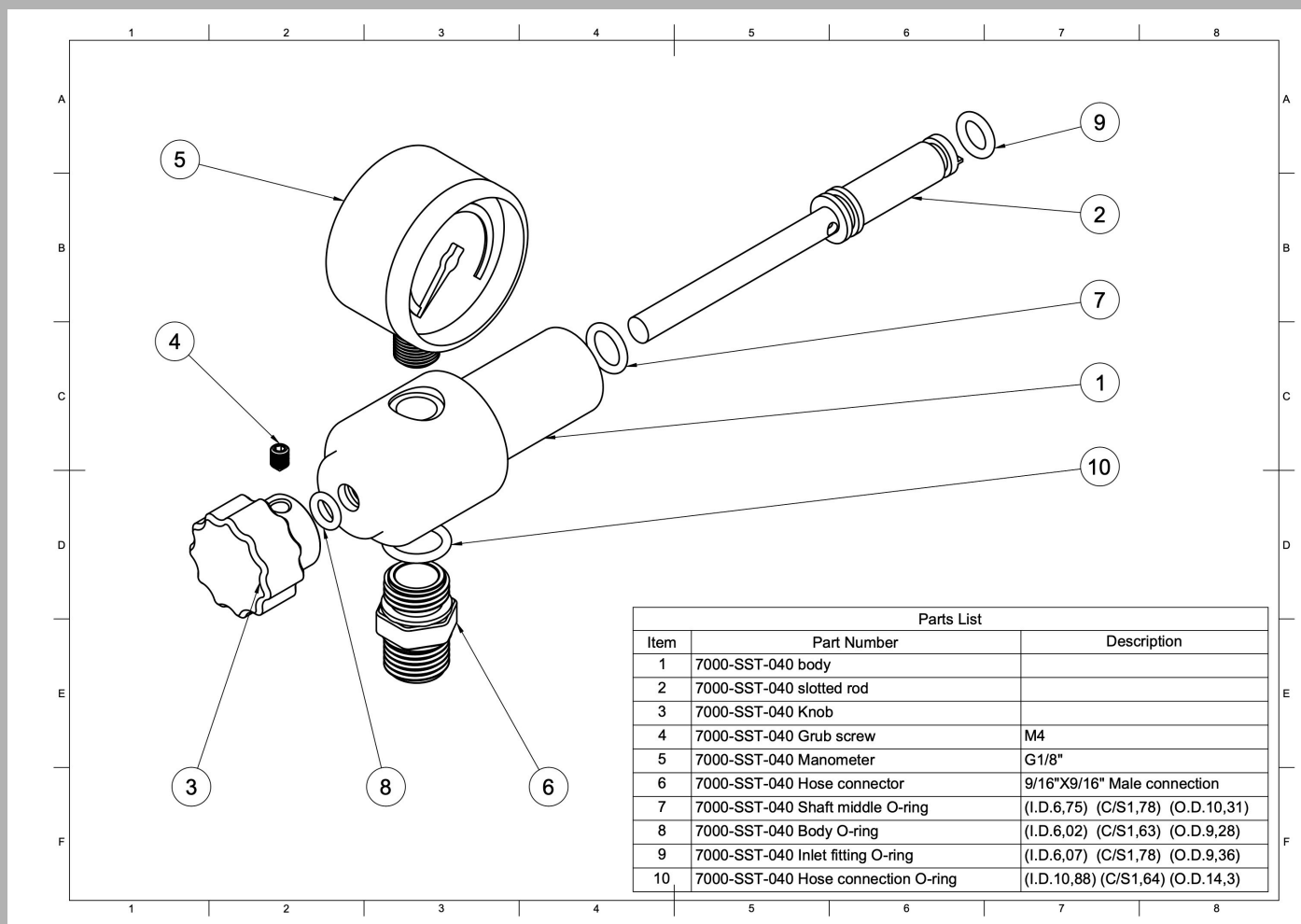
If the tool has not been used for a while, the adjusting rod and knob may be more difficult to move.

We have made the tool so that the adjusting rod can be removed.

- Remove the M4 grub screw from the adjusting knob.
- now push the adjusting rod out through the front of the tool.
- The 2 O-rings on the adjusting rod and the internal O-ring in the rear of the body can now be greased with silicone grease.
- During reinstallation of the rod it is recommended to make a rotating movement to facilitate the process and to also provide the inside of the tool body with some silicone grease.



O-ring sizes



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