

FLOTEC

Training Presentation for Authorized Repair Centers

This presentation is designed to supplement M-Service Manual InGage Regulator.doc

Flotec, Inc. provides for three levels of authorization for the repair of InGage Series Regulators.

ARC Level 1

Testing & External component replacement

ARC Level 2

Internal component replacement

ARC Level 3

Reimbursed Warranty



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Training Presentation Swivel Connector Removal and Repair

WARNING Replacement of parts on high-pressure regulators should be made only by qualified personnel familiar with their operation. Do not remove or install parts with the regulator installed on a cylinder. Use only the proper repair tools and parts. Always wear eye protection when servicing high-pressure regulators.

WARNING Contaminants or hydrocarbons may, in the presence of an ignition source and oxygen, combine and burn violently. Never permit oil, grease or other combustible substances to come in contact with oxygen cylinders, regulator parts or repair tools. Provide a clean; oil free surface on which to place disassembled regulator parts.

WARNING Always open high-pressure oxygen cylinder valves **SLOWLY**. This should always be done in order to allow the heat of gas compression to dissipate. Always verify that the oxygen cylinder valve is fully closed (clockwise) before disconnecting the regulator from the cylinder.

WARNING Do not obstruct the vent holes in the body of the regulator. These holes must be open to atmosphere for proper regulator operation.

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Training Presentation
Authorized Repair Center Level 2 and 3

Reset InGage Pressure Gauge

Place the InGage Regulator into a vise that clamps on the body below the DISS-1240 Check Valves, if installed, and above the Flowmeter section of the Regulator.

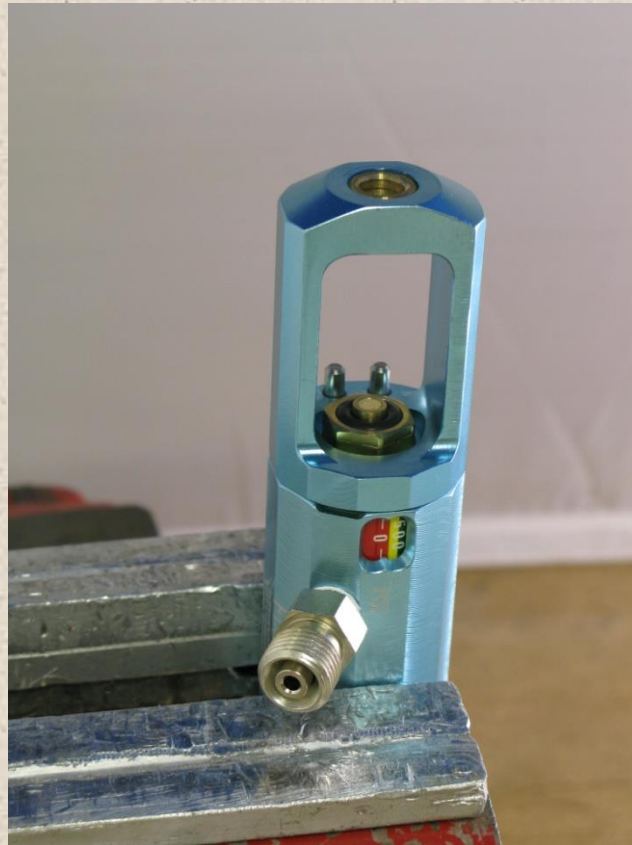


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Reset InGage Pressure Gauge

Remove Dome Handle
from the Yoke and
keep for reuse.

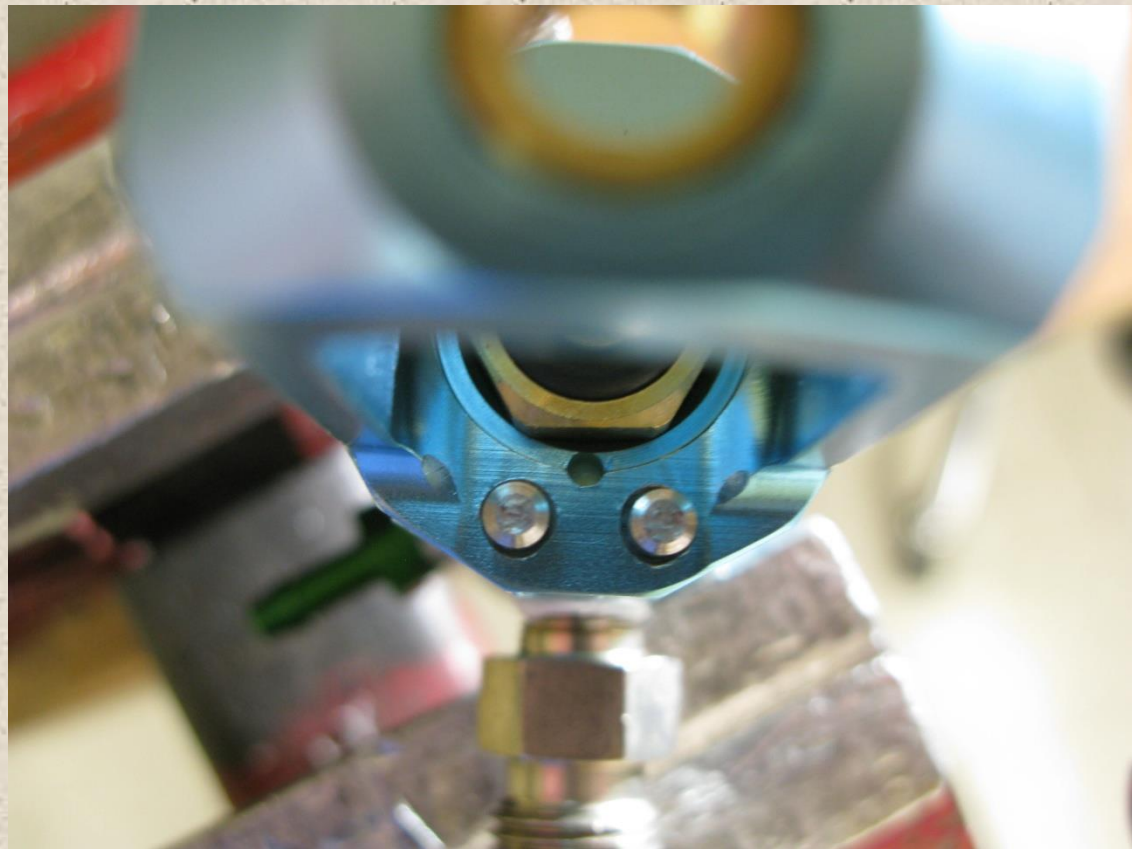


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Reset InGage Pressure Gauge

Reset the Gauge with Unique Flotec Calibration Tool (part # 707-0208-005) by inserting into hole between the pins of the Yoke. Rotate the Yoke until the tool engages with the hole in the Gauge.

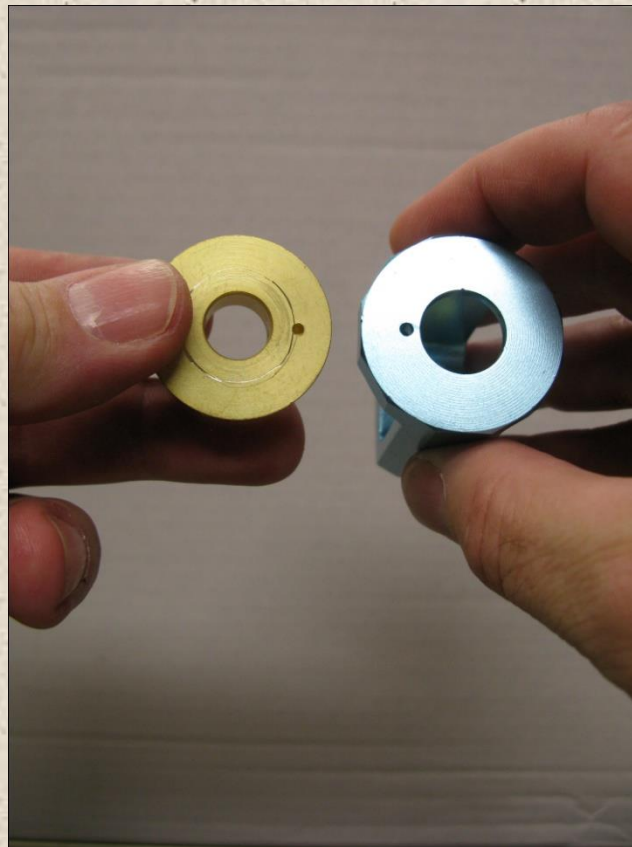


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Reset InGage Pressure Gauge

For Reference Only:
Note of the small adjustment hole on the upper face of the Gauge Assembly and the hole through the Yoke Assembly. These holes will be used to reset the gauge during the final step.

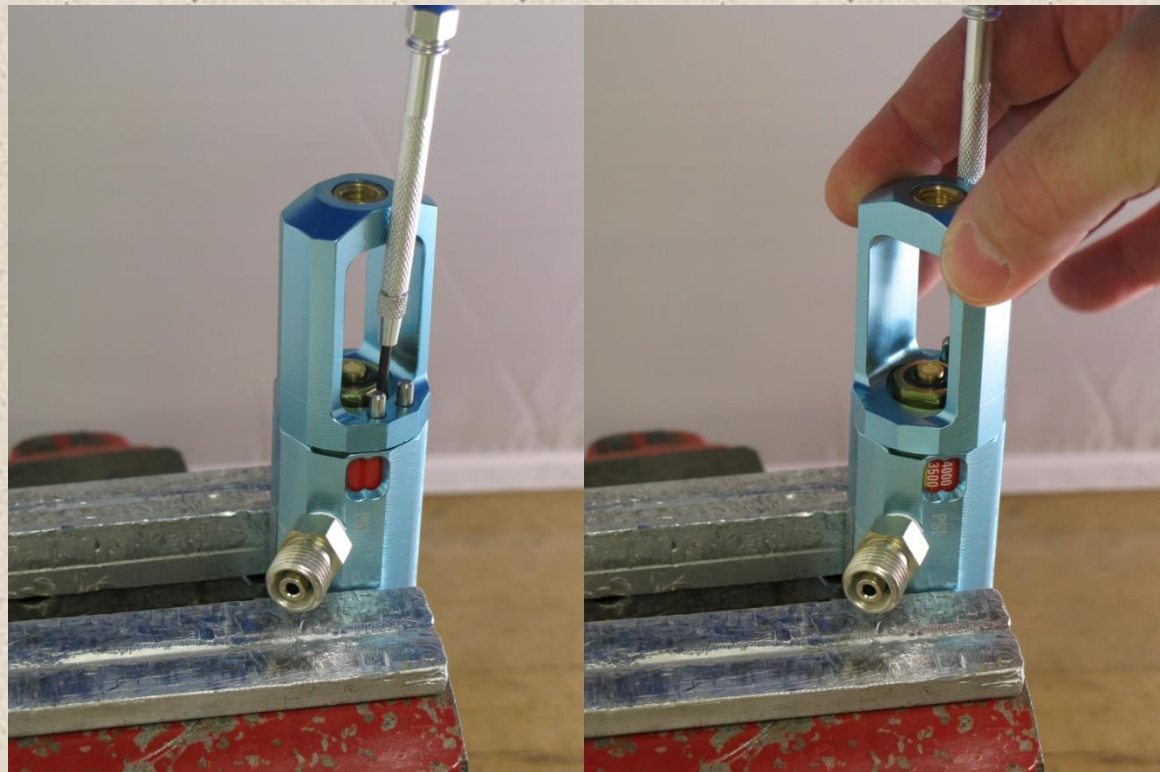


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Reset InGage Pressure Gauge

While pressing the Calibration Tool down in the Gauge hole, rotate the Yoke. This will turn the Gauge Assembly. Rotate the Gauge until the Zero is aligned with the pointers on the Gauge window.

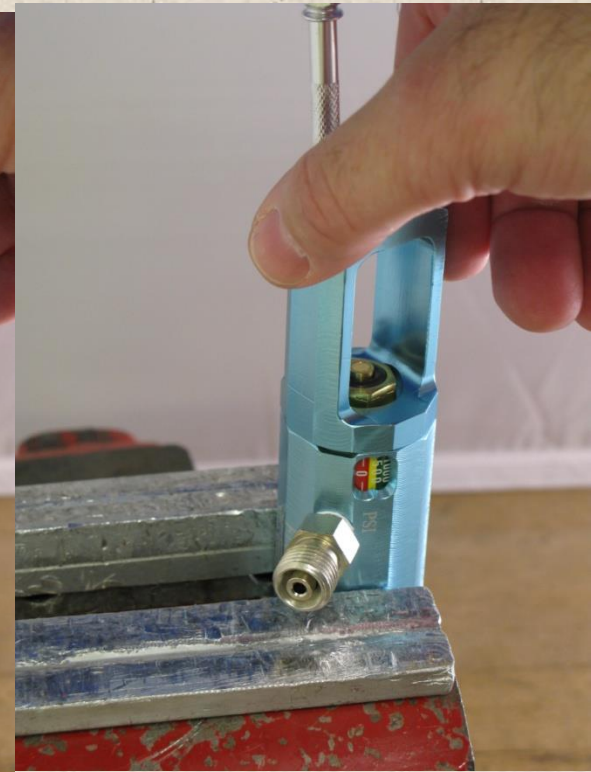


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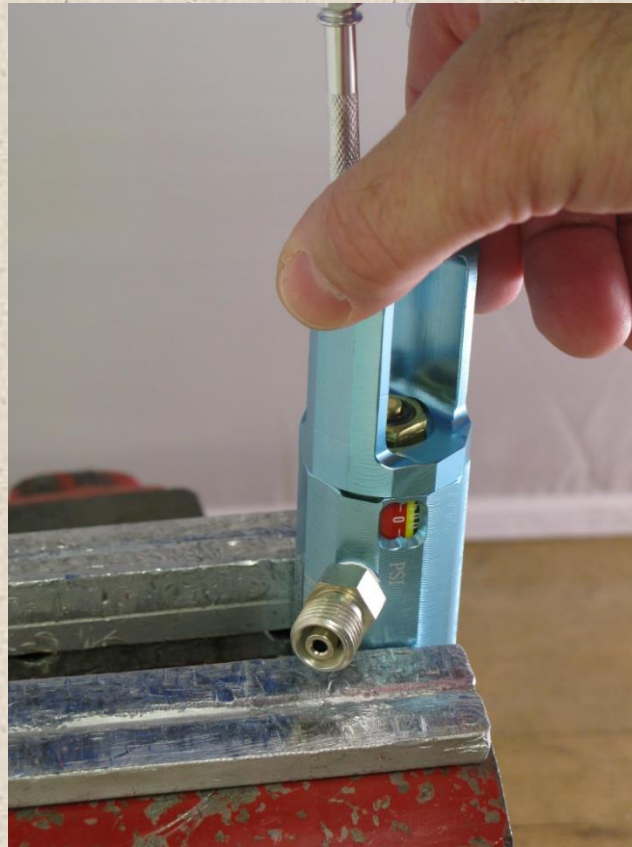


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Reset InGage Pressure Gauge

Remove the Calibration Tool from the Yoke and Gauge. Remove the Regulator from the vise. The Regulator is now ready for required testing. Reinstall Dome Handle into Yoke.



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Reset InGage Pressure Gauge

Install the Regulator onto a ½ full cylinder, (1000 psi maximum) and VERY slowly open the post valve. Snoop the area around the Post Valve, Gauge and body of Regulator for leaks. If any leak is detected, return the Regulator and the Swivel Connector to Flotec.

If no leaks are detected, install the Regulator onto a full cylinder, (2015 psi maximum) and VERY slowly open the Post Valve. Snoop the area around the Post Valve, Gauge and body of Regulator for leaks. If any leak is detected, return the Regulator and the Swivel Connector to Flotec.

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Reset InGage Pressure Gauge

If the swivel function and the gap clearance is within tolerances and the regulator passes the leak test, and the gauge shows correct cylinder pressure the Regulator may be put returned to service.

Contact Flotec Customer Service and obtain an RMA number. Return the Swivel Connector to Flotec individually bagged and marked with serial number, part number, date of repair, and name of authorized repair technician doing the service work and RMA number.