

# GraverMach • GraverMax SC AUXILIARY VALVE REPAIR PACKAGE



# GRS

- TOOLS
- TECHNIQUES
- TRAINING

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**GLENDO**  
CORPORATION

LIT 284

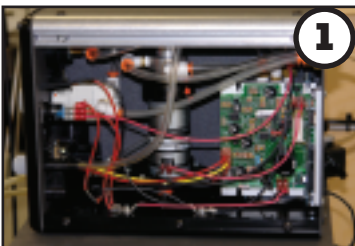
## INSTALLATION

A small amount of early production GraverMachs and Max SCs have an incorrectly sized hole in the front sheet metal cover. This hole does not allow the external valve stem o-ring (002-333) to compress properly and may allow some air to escape around the valve stem. Please read the following instructions carefully. If you feel uncomfortable in making this repair, contact your selling dealer or GRS Tools and request a Return Goods number for a no-cost warranty repair.

Always disconnect the air supply and unplug the power supply from the back of the machine before performing any of the following procedures.

The following tools will be needed to complete this modification:

- Medium flat blade screwdriver
- 1/2" thin wall socket and wrench



As you look at the front of the machine, remove the side cover on the right side. This is done by using a 1/8" hex key and removing the 2 button head screws at the top of the side cover and loosen the 3 button head screws at the bottom of the side cover. Gently lift the side cover off. (*Note: You may have to loosen the button head screws on the back panel to relax the cover to allow for easier removal.*)



**2** Using a 1/16" hex key, loosen the aux knob set screw and gently pull the knob off the valve stem.



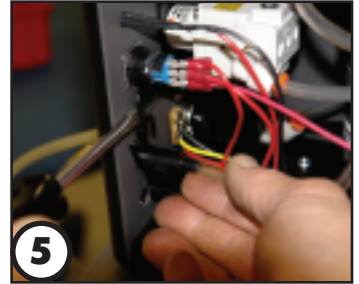
**3** Remove the air hose (if attached) by pressing on the orange ring and gently pulling the hose out.



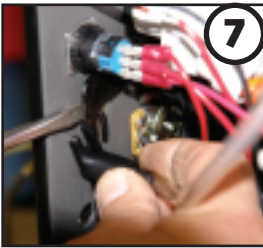
**4** Using a thin wall 1/2" socket unscrew the orange ringed air fitting.



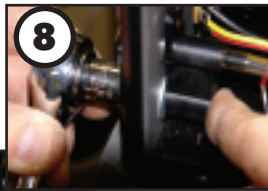
**6** Make sure the exterior o-ring (#002-333) is still on the valve stem and next to the plastic valve body, then slip the smaller washer over the brass valve stem.



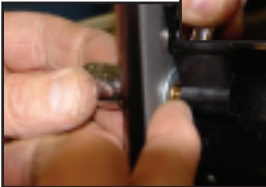
**5** With a medium flat blade screwdriver, gently lift the spring clip outward away from the front panel just enough to clear the valve body locating groove and rotate the valve body counter-clockwise 90 degrees.



**7** Move the valve body assembly back into position on the inside of the front cover. Gently lift the spring clip outward and rotate the valve body clockwise. Allow the clip locate in the top groove of the valve body.



**8** Position the larger washer between the valve body and inside the front cover. Insert the new fitting thru the cover and washer and lightly tighten fitting in the valve body with the 1/2" socket. Take care in starting the replacement air fitting into the valve body to prevent cross-threading the hole in the plastic. Go slow and check for a straight air fitting entry by looking at it from the side of the machine.



**9** Replace the knob and gently tighten with the 1/16" hex key