

Air Valve Disassembly and Service

We selected the model of air valve for the Project: V4 kit based on its exceptional reliability and reasonable price. Few users will need to worry about maintenance or repair, but systems which are used infrequently may require a bit of service on rare occasions.

If the air valve on your system is stuck in the open position then it will allow compressed air to move through the valve even when the power is disconnected. Servicing is very easy and no replacement parts are needed. This process will take less than 15 minutes.

Warning:

Be sure to disconnect the power source and remove the compressed air line from the vacuum press kit before proceeding.

1. Remove the mounting screws that hold the venturi/air valve assembly on the plywood carrier. Do not lose the plastic spacers under the venturi.
2. Rotate the air valve (in the loosening direction) one-quarter turn to make it easier to access the air valve parts.
3. Remove the fastener from the solenoid coil by unscrewing it. Carefully use pliers on the fastener if it cannot be removed by hand. Be especially careful to avoid losing the spring washer that is under the fastener during this process.
4. Remove the two screws that hold the retaining plate to the valve body.
5. Lift the retaining plate off the valve body. It is possible that the valve column and the valve could pop out with the retaining plate so exercise care to avoid losing these parts.
6. Examine the valve body where the valve and column were attached. It is not uncommon to find debris caught here as well as on the head of the valve. Any foreign matter should be removed with compressed air while wearing appropriate eye protection.
7. Use compressed air to clear any debris from inside the valve column. Again, be sure to wear eye protection during this process.
8. Set the valve back inside the valve column and depress the valve so the spring "action" can be felt. The movement should be smooth and without any sense of friction.
9. Place the valve and column back onto the valve body and set the retaining plate in place.
10. Reattach the retaining plate mounting screws. Do not over-tighten these screws.
11. Slide the solenoid coil back onto the valve column and rotate it to its original position. Notches on the bottom of the solenoid will help identify when it is correctly positioned.
12. Set the spring washer and fastener over the column and then hand-tighten the fastener.
13. In the tightening direction, rotate the air valve one-quarter turn to realign the air valve and venturi assembly.
14. Reattach the air valve/venturi assembly to the carrier with the screws and spacers that were removed in step 1.

Your Project: V4 system should now be fully operational!

PROJECT: V4™

VACUUM PRESS SYSTEM

