

Model 464 250 psi (sold after September 2013)

Tools and Materials Needed

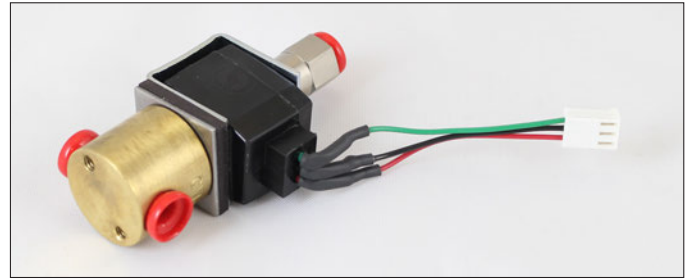
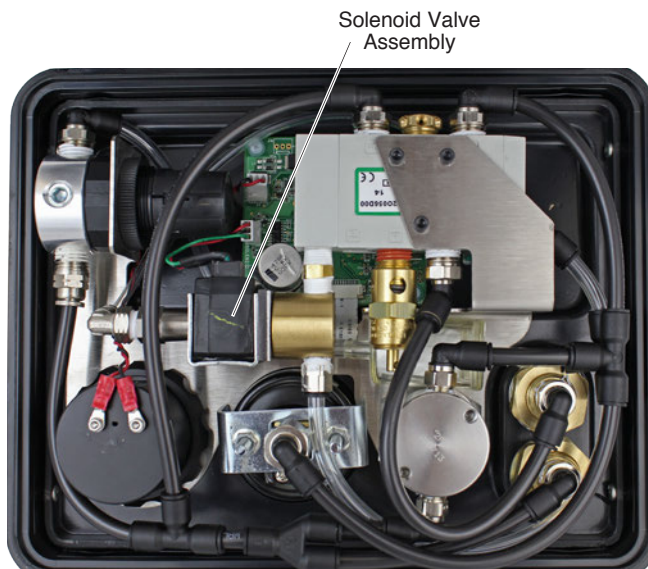
1. 464 Solenoid Valve Assembly - 250 psi (Spare) (#111743)
2. 3/32" Allen Key
3. Small Utility Knife
4. 7/64" Allen Key
5. 11/16" Wrench
6. 14 mm Wrench
7. 1/2" Wrench
8. 7/16" Wrench
9. Teflon® Tape
10. Any suitable plastic adhesive (e.g. silicone)

Instructions

1. Turn the Control Unit off and remove the batteries.
2. Use the 3/32" Allen key to undo the four hex screws on the sides of the Control Unit.

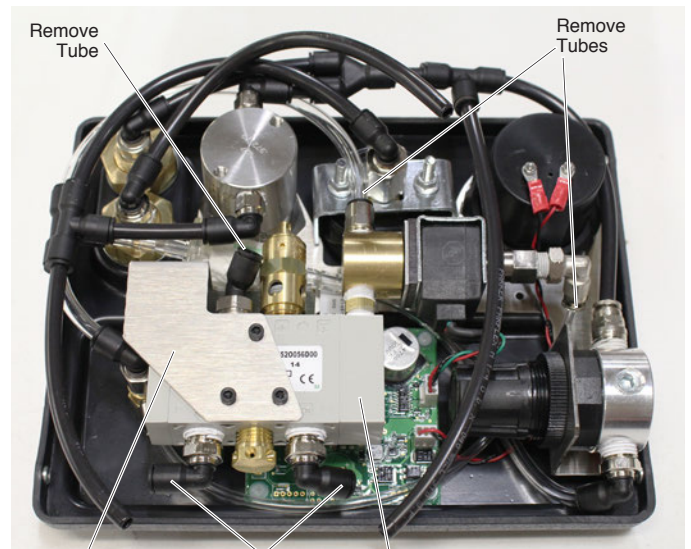


3. Remove the panel from the Control Unit and flip it over to access the Solenoid Valve Assembly.

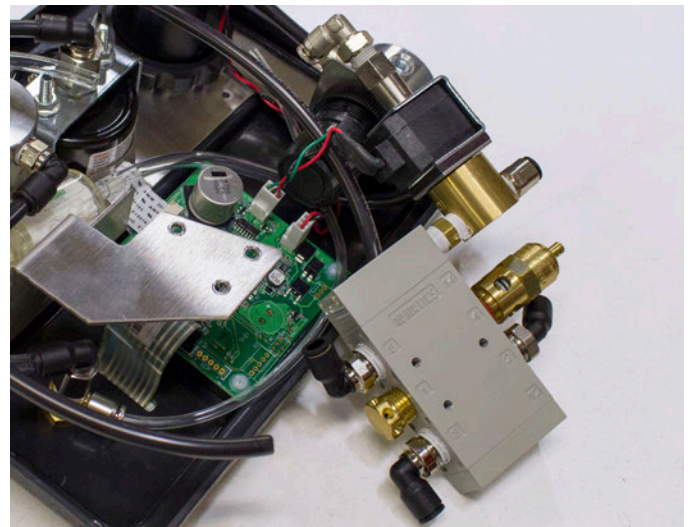


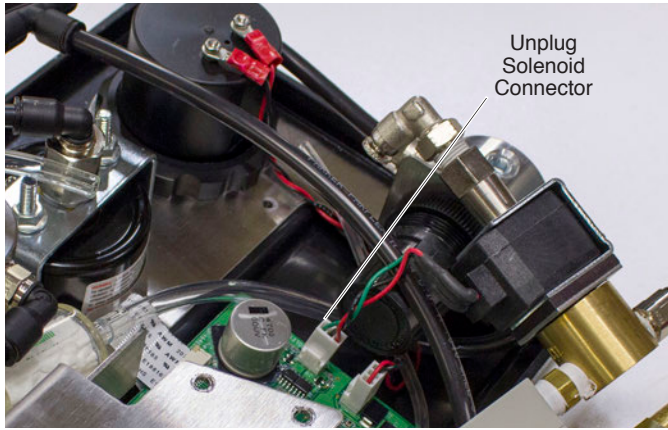
464 Solenoid Valve Assembly - 250 psi (Spare)

4. Push down on the fittings to remove the three black tubes from the Shuttle Valve Assembly, and the two clear tubes from the Solenoid Valve Assembly (photo shows black tubes removed).

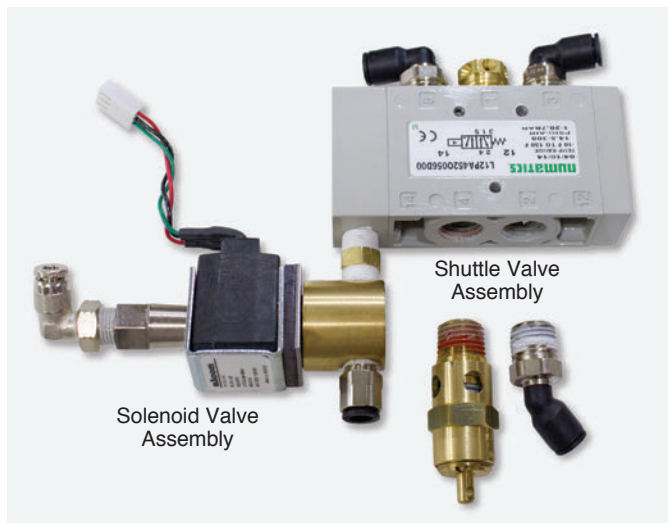


5. Use the 7/64" Allen Key to remove the three screws from the bracket holding the Shuttle Valve Assembly, and carefully slide the Shuttle Valve Assembly out from the bracket.

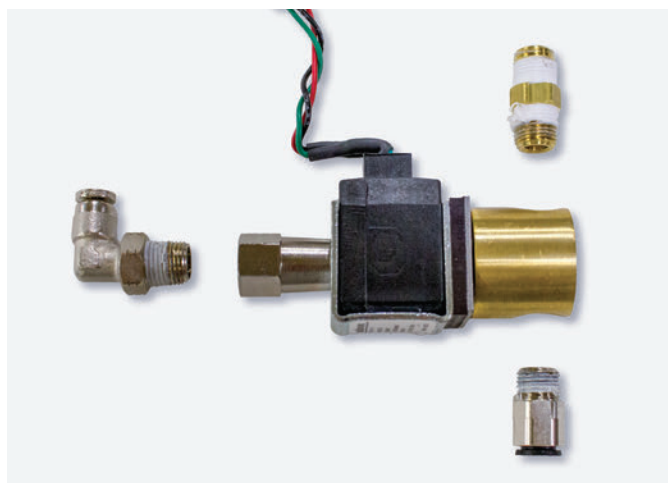




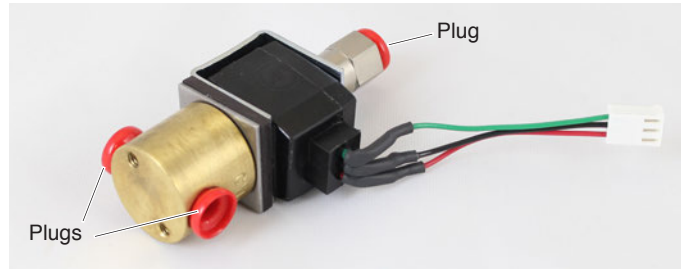
6. Use a small utility knife to break any adhesive holding the Solenoid Connector to the Circuit Board. Unplug the Solenoid Connector from the Circuit Board.



7. Use the appropriate wrenches to remove the two fittings (shown above) from the Shuttle Valve Assembly. Twist to remove the Solenoid Valve Assembly from the Shuttle Valve Assembly.

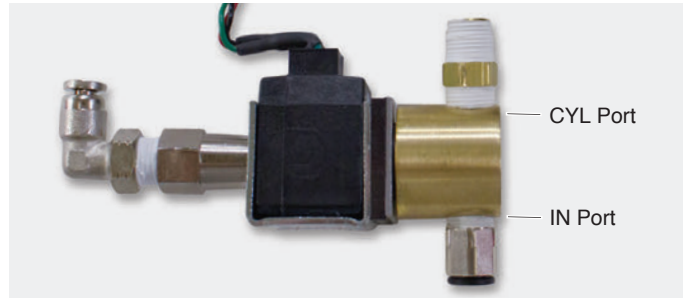


8. Use the appropriate wrenches to remove the three fittings from the old Solenoid Valve Assembly.

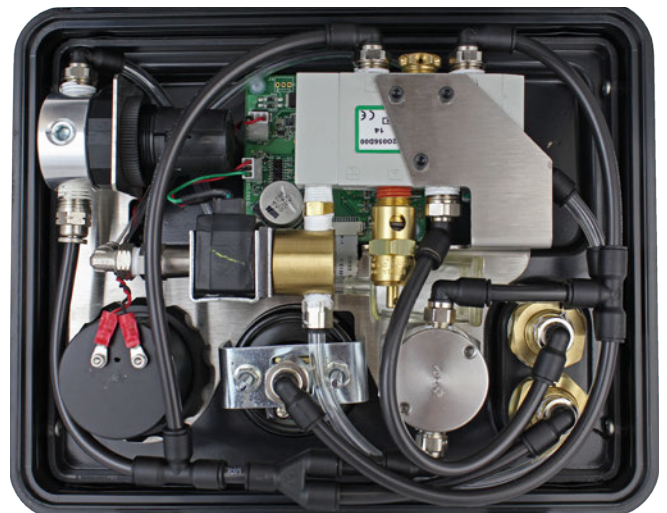


9. Remove the three plugs from the new Solenoid Valve Assembly.

Note: Wrap new Teflon tape around the threads of all the fittings.



10. Screw the three fittings back into the new Solenoid Valve Assembly.
 11. Screw the new Solenoid Valve Assembly into the Shuttle Valve Assembly. Screw the two fittings back into the Shuttle Valve Assembly (see photo at left for proper connections).
 12. Plug the Solenoid Connector back into the Circuit Board, and apply a small amount of adhesive to the outside of the Connector to help secure it to the Circuit Board.
 13. Slide the Shuttle Valve Assembly back into place under the bracket and secure it using the three screws.
 14. Push the three black tubes back into the fittings on the Shuttle Valve Assembly. Use the photo below to ensure correct connections.
 15. Push the clear tubes into the fittings on the new Solenoid Valve Assembly. Use the photo below to ensure correct connections.



16. Place the panel in the Control Unit case and reinstall the four hex screws.
 17. Reinstall the batteries. Test the Control Unit to ensure proper connections were made when replacing the Solenoid Valve Assembly.

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