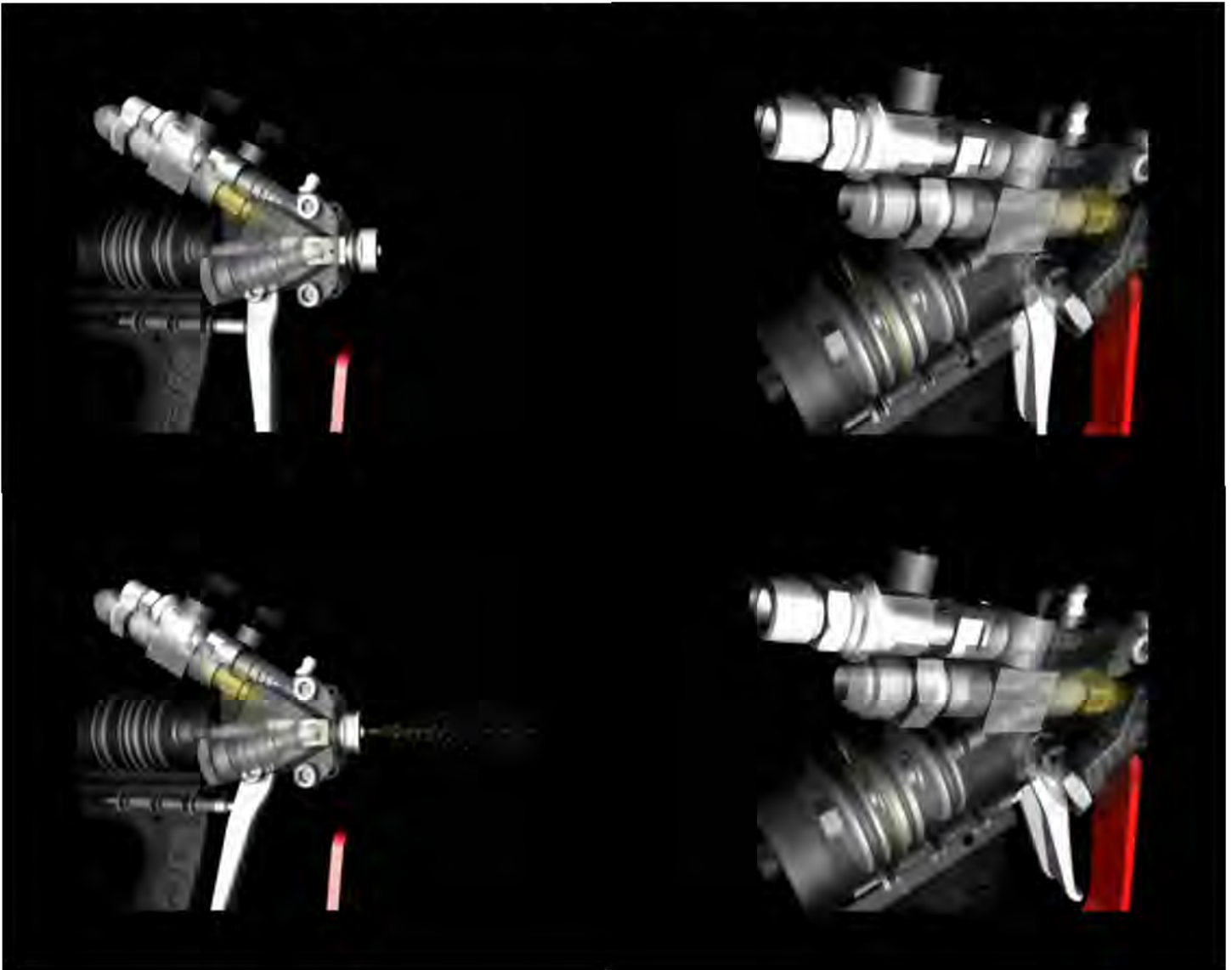


P2 Gun Air System (Where Does The Air Go?)

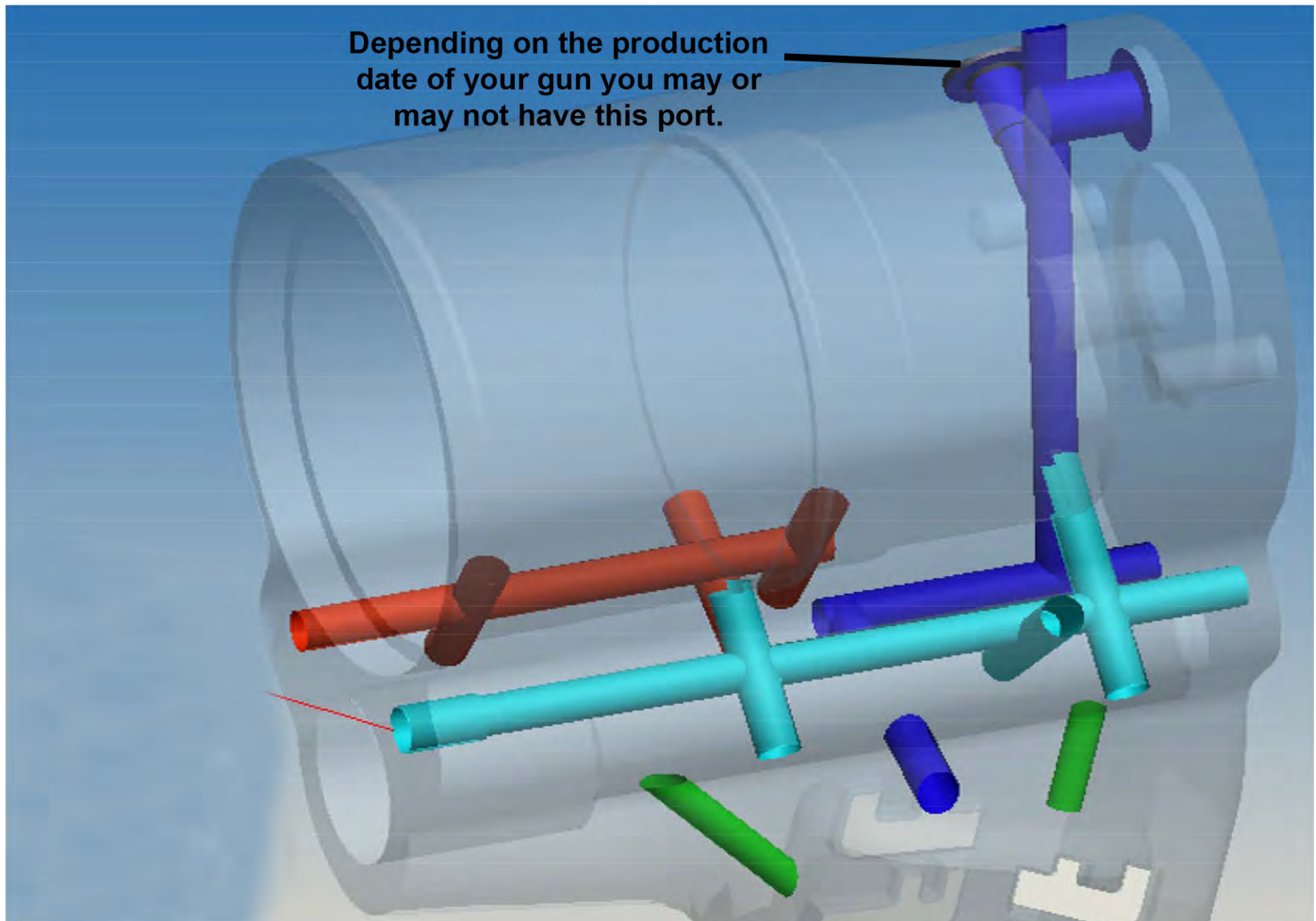


The air flow of the P2 gun directly correlates with the set screws in the body of the gun. Air comes through the air slide switch and is distributed from there to the trigger and air cylinder. When the trigger is pulled it delivers air to the front side of the front air piston and causing the piston to move back aligning the the mixing chamber with the side wipe holes to distribute material through the spray tip. When the trigger is released air is distributed to the back of the rear piston causing the piston to move forward.

This moves the mixing chamber holes out of alignment with the side wipe holes shutting the material flow off at the spray tip. If you have a bad trigger o-ring this will disrupt the mixing chamber movement and can cause irratic or no movement/flow. A plugged air passage will also cause irratic behavior within the body of the P2 gun. For instance if you have a blockage in the passage way that feeds air to the front piston the piston will not retract or may be irratic in retracting. This means you may have either no material flow through the tip or it may even have a sputtering pattern. Attached to this document are CAD drawings that show the set screw locations and the air passage ways. These air passages must be clean and free of debree for your P2 gun to function properly.

Probler P2 Gun

Air Passage Locations



The set screws on the gun all represent air passages as shown in the above diagram.

All air passage ways must be completely free of debris and cleaned with the proper Sized drill bits.

If any one of these passages are partially blocked or completely blocked it can and will effect the function of the gun.

