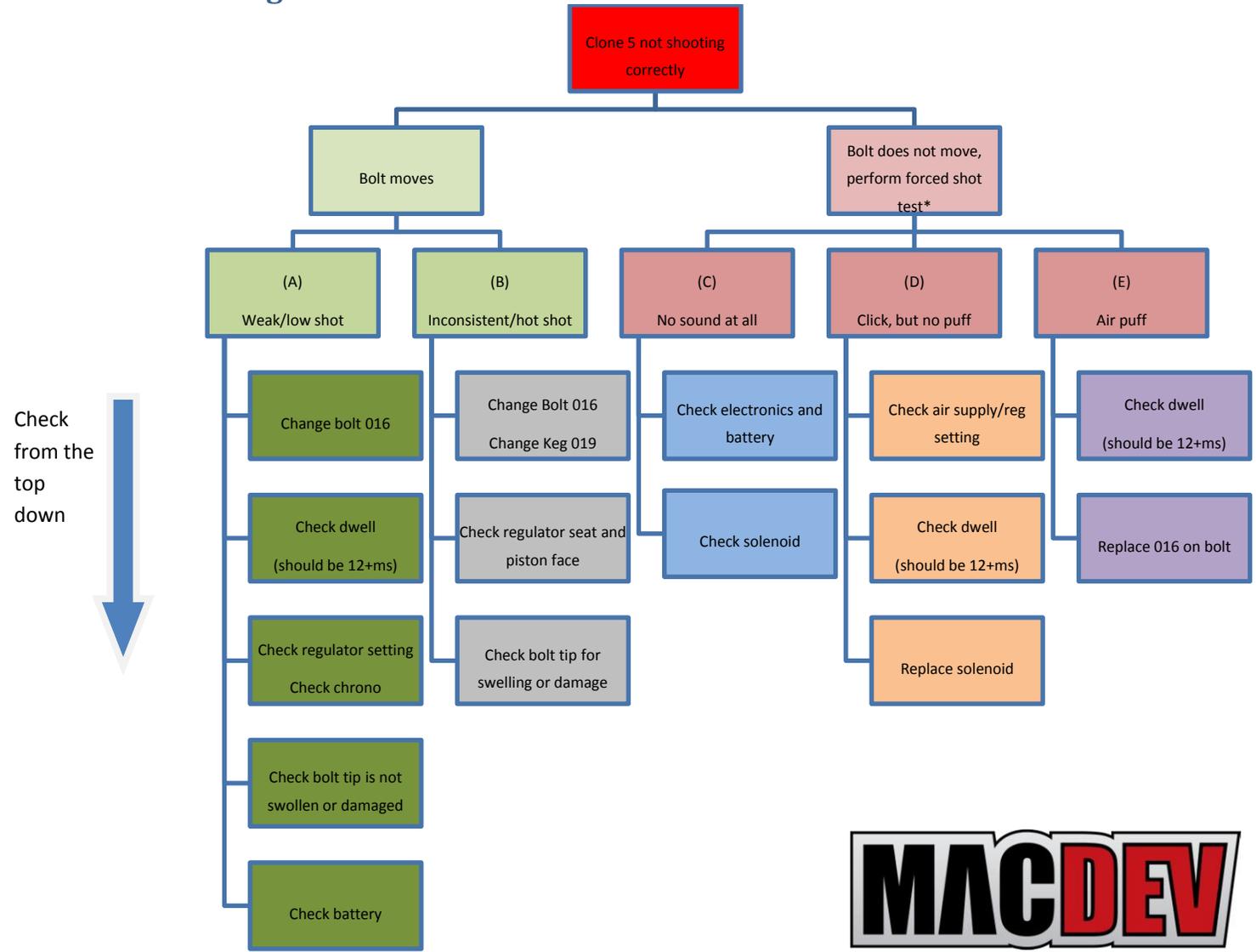


Clone 5 Troubleshooting Flowchart



Clone 5 Troubleshooting Guide Notes:

This troubleshooting covers the most common difficulties experienced with the Clone 5 marker. It is not exhaustive, if you cannot solve your problem using this guide, please contact a technician for guidance.

* If the bolt is not moving, you are asked to perform the forced shot test. To perform this test, apply air to the gun, and ensure the eyes are on (forced shot should be enabled in the marker settings, but this is on default). Press and hold the trigger, after ½ a second, the gun will force a shot. The sound made when a shot is forced, is the sound you should follow in the troubleshooting instructions.

Trouble shooting sections and explanations:

(A) Weak/Low shot

- a. Replace the bolt switch, and make sure the drive is greased with Militia Lube.
- b. Check the dwell, dwells under 12ms will cause the marker to fire weakly. If the weather is cold (less than 5 Deg C), increase dwell as needed.
- c. Check that the gun is chronoed up, if you have the velocity set low, the drive may struggle to cycle correctly.
- d. Inspect your bolt tip. The bolt tip is consumable, over time it can become swollen or damaged. If it has become very soft or swollen, it would be best to replace it.
- e. Try a fresh battery. Even if the battery meter reads full or nearly full, some batteries are faulty and deliver low power under load.

(B) Inconsistent shot

- a. Change both the bolt switch (#16) and Keg internal (#19) o-rings. Make sure your drive is clean and greased with Militia Lube.
- b. Open your regulator and check the regulator seat, and the piston face which meets it. Of there is damage on either of these, replace as necessary. The seat is reversible, you may use the underside of the seat before replacing it entirely.
- c. Inspect your bolt tip. The bolt tip is consumable, over time it can become swollen or damaged. If it has become very soft or swollen, it would be best to replace it.

(C) No sound at all

- a. Check that the electronics are on. Check that there is no damage to the ribbon connector or solenoid wire, and that everything is fully plugged in.
- b. Your solenoid and electronics may need checking by a trained technician and repaired or replaced.

(D) Click, but no puff

- a. Make certain that there is air delivered to the regulator from your air system, and also from the regulator to the drive. A simple test for this is to remove the drive from the gun and briefly apply gas. If air is flowing, it will come out quickly from the drive area.
- b. Verify that your dwell is at least 12ms.
- c. Your solenoid may require checking by a trained technician, they will repair or replace it if necessary.

(E) Air puff

- a. Verify that your dwell is at least 12ms.
- b. Replace the Bolt switch o-ring (#16). Clean and regrease the drive with Militia Lube.