



Solenoid Maintenance Guide



WOLVERINE AIRSOFT

www.wolverineairsoft.com



MAC Valves 214, 2-Way Solenoid



MAC Valves 314, 3-Way Solenoid

Solenoid Maintenance

Wolverine Airsoft engines including the INFERNO, HYDRA, REAPER and BOLT all use either a 214 or 314 solenoid. In the event that dust or debris makes its way into the solenoid, it may become necessary to clean it.

You will need:

- Compressed Air
- 2.5mm Allen Key or 3mm square bit for solenoids with plastic caps



Plastic Cap
[3mm
square bit]

Brass Cap
[2.5mm
allen key]

Begin by removing your solenoid from your Wolverine Airsoft engine by unscrewing it counter-clockwise from the engine. The HYDRA will require the additional step of removing the retention clip from around the valve housing.



Use a 2.5mm Allen key or 3mm square bit to remove the cap from the solenoid by rotating counterclockwise.



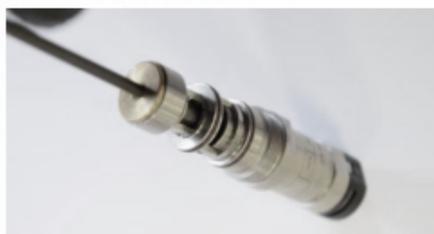
Use a blunt instrument to open the valve by pushing on the piston in the center hole as shown below. This will open the valve for cleaning.



While holding the valve open use compressed air to remove the debris from the valve. It is important to not scratch the seal. The debris will usually be found just behind the front O-ring as indicated in the image.



Replace the brass end cap using the 2.5mm Allen key or 3mm square bit.



Finally, reinstall the solenoid in your engine and hand-tighten it.



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