

Installation of Upgraded safety

This modification allows the magazine of your weapon to be removed or checked while the gun is on "Safe", which is safer in the opinion of many users as this allows them to manipulate, load, and prepare the firearm at the range while on safe and only have the need to put it on "Fire" when they are pointing in a safe direction. This provides a more similar functionality to the majority of handguns on the market, making its use more intuitive. Installation is extremely simple and can be performed by virtually anyone.

While modifying the safety to allow this functionality is easy, buying the part pre-made guarantees correct functioning as well as allowing the user to keep the original safety in case the firearm is sold or sent for repair. It is also cheaper once you factor in the cost of the tools necessary to make the modification, your time, as well as the risk of damaging the part or the firearm.

Fitment:

Phoenix Arms Pistols – Models HP22, HP22A, HP25, HP25A

Tools required:

- [Upgraded safety](#) – Click to purchase
- Flat screwdriver
- Loctite or equivalent thread locker (Optional)



1. Clear weapon

Clear weapon of all ammunition, preferably placing live ammunition in another room. Remove magazine and inspect chamber to confirm weapon is safe.



2. Remove slide

Remove slide by pressing the tabs in front of the trigger guard forward while simultaneously lifting the front end of the barrel. If tabs cannot be moved by hand use a blunt, non-marring tool to disengage the barrel lock.



3. Remove left side grip

Using a flat screwdriver, remove both top and bottom screws holding the left side grip in place.



4. Remove original Safety

Remove original safety by lifting up while pulling simultaneously towards the top of the frame, carefully clearing the magazine release button, the safety retention spring and the magazine safety lock.



5. Disengage Magazine Safety Lock (Optional)

Should the user desire to do so, during this step the magazine safety lock can be disabled. The sole function of this is to impede the user from putting the weapon on safe (and thus acting on the slide) with the magazine not present. In the opinion of this gunsmith, there is virtually no benefit to this, and in its original condition this impedes the user checking the chamber properly for a round when a magazine is not present. Should the user wish to disable this safety mechanism, **under their own risk and responsibility**, they may do so bending the tab away from the gun frame as shown in the image in order for it to clear the safety regardless of there being a magazine in the firearm or not.



6. Install the upgraded safety

Install the new upgraded safety into the same position as the original safety. Use a small blunt object to move the safety retention spring away from the safety if necessary. Reinstall the grip using the original screws. If available, use Loctite or any other equivalent thread locker. Reinstall the barrel inserting the rear end first until it engages the barrel lock and then pressing the front of the barrel down towards the frame. Check the firearm for proper operation, and once confirmed installation has been successful, enjoy!



Disclaimer: Firearms are dangerous items in the hands of those that are either negligent or incompetent in their handling. Please treat all firearms as loaded whenever possible and practical. Any operations or instructions detailed in this manual are to be executed under the full and complete responsibility of the user. The author assumes no responsibility whatsoever, neither explicit nor implicit, regarding any modification detailed here within.