
2 DAY ADVANCED FORENSIC FOR GLOCK

Introduction

This course covers aspects of Glock manufacture, function, design and examination procedures.

The course will be of interest to senior armourers and forensic examiners, covering the early Gen 1 Glocks through to the current in service Gen 4 model, specialising in calibre 9 mm.

Helston Forensics has an extensive collection of Glock pistols manufactured over the last 35 years with more than 200 examples in our laboratory, also many thousands of used and unused components.

Agenda

- Safe handling
- Weapon system (method of operation)
- Stripping and assembly
- Component identification
- Fault diagnosis
- Inspection standards
- Gauging
- Parts interchangeability
- Component failure
- Crack testing (NDT)
- Fired case markings
- Trigger pulls
- Training pistols
- Barrel and slides failures

Prerequisite

The student will be expected to have basic knowledge of safe firearms handling.

Notes

1. Safety equipment will be supplied.
2. The course duration will be 0900-1730.
3. Refreshments and lunch to be provided.
4. Assistance with hotel bookings will be available from our office staff.
5. This is a CPD-related course. This can contribute to your Continuing Professional Development (CPD) and will be evidenced through multiple-choice summative assessment and the award of a course completion certificate.



Standard 'trigger with trigger bar' and 'trigger with trigger bar 1' part number 1363, what is the difference?



Some of the 60 different pistols available for examination at Helston Forensics



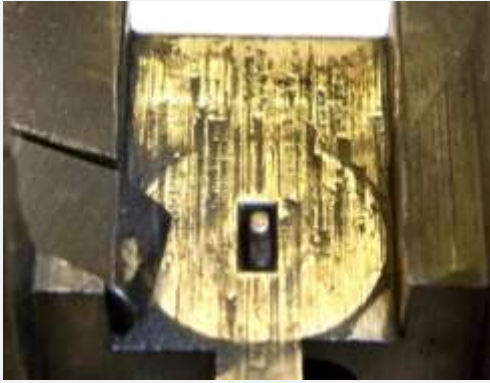
9mm magazines showing modifications over the years, followers are also updated to enable the pistol to function with the latest ammunition designs



Damage caused by a "breech explosion" include damage to the slide and frame



Understanding firing pin spring compression in the three positions: fired, ready to fire and fully compressed



Breech face markings on a new Glock can be transferred to the base of the cartridge case



Glock manual safety catch systems



Barrel showing contact between barrel and locking block



The effect on a cartridge case due to high pressure, causing the barrel to fail



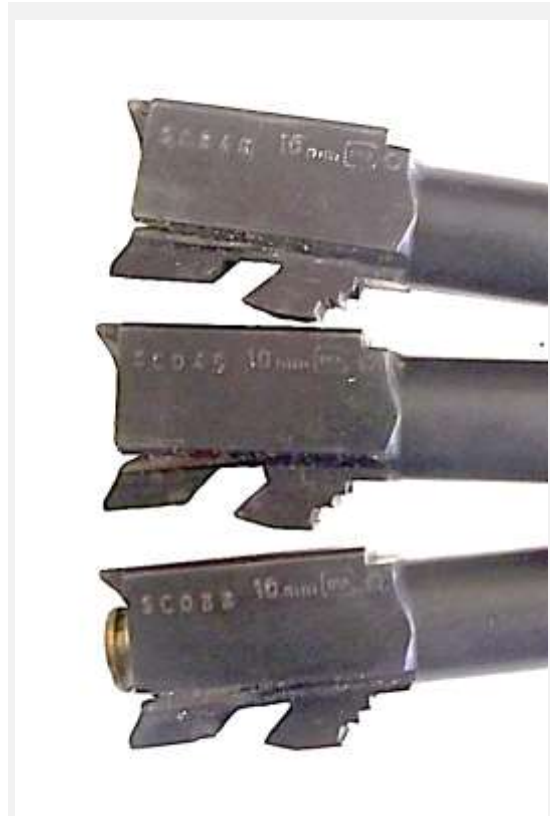
Locking contact between the locking block and barrel



Understanding manufacturing processes and design features is essential when looking a component failure



"Breech explosion" in a 10mm barrel



Barrel failure caused by firing high pressure rounds, the weakest area being below the chamber helps to protect the user in the unlikely event of a barrel failure



Examining the locking block function and areas of contact with the barrel, when the pistol is in battery

Contact details



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