

P7 Armorer's Course



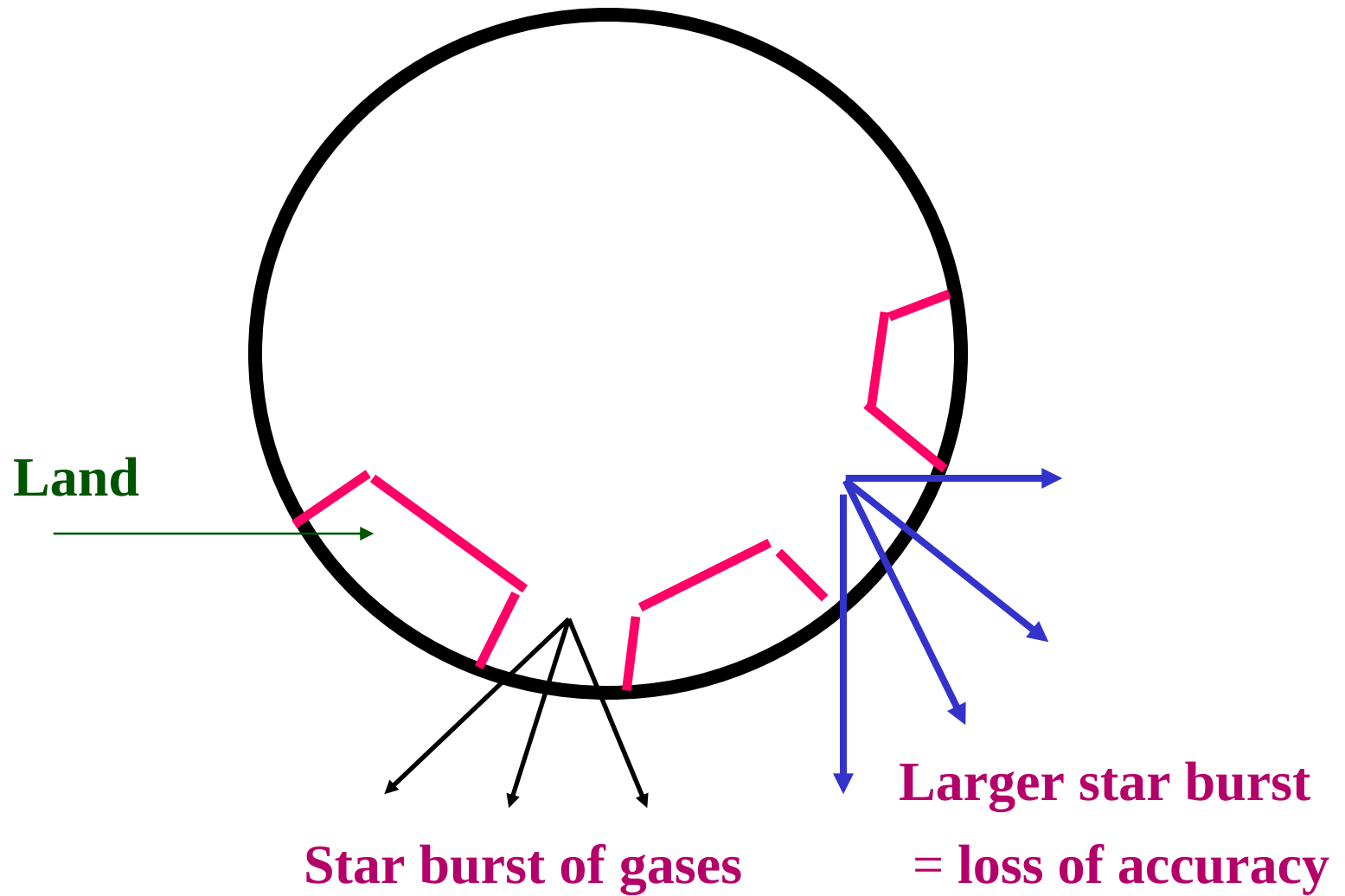
General Information

- Designed in 1976 for German police & military
- Locking is accomplished by expanding propellant gases
- Cocking is accomplished by a cocking lever (squeeze cocker)
- PSP: Police Self-loading Pistol
- 1978 modified became the M8

Polygonal Barrel



Muzzle Crown



Left Side

Same Slide for M8 or M13



Right Side



Markings



H&K Markings



ULM



Berlin



Kiel



Hannover



Munich



Köln

Front Sight



Rear Sight



Extractor



Disassembly port

Firing the pistol accomplished in three ways

- Squeeze the squeeze cocker, pull the trigger
- Pull the trigger, squeeze the squeeze cocker
- Pull the trigger and squeeze the squeeze cocker at the same time
- Firing is not sequence critical

Relaxed Firing Pin



Bring Firing Pin Flush



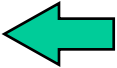
Firing Pin



Gas Piston



MPpro7

- No carcinogens 
- No harmful fumes
- Removes all oil and grease
- Weapon and parts must be re-lubed
- 800 937 4677
- Mark Nelson

Knitted Patches

- Southern Bloomers Manufacturing
- PO Box 1621
- Bristol, TN 37620
- 423 878 6660
- Fax 8761

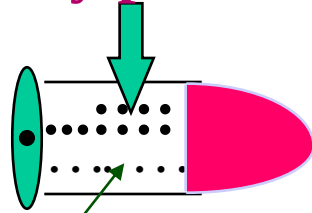
Break-Free

- Dwight Woodruff
- or customer service
- 800 231 2055
- free samples

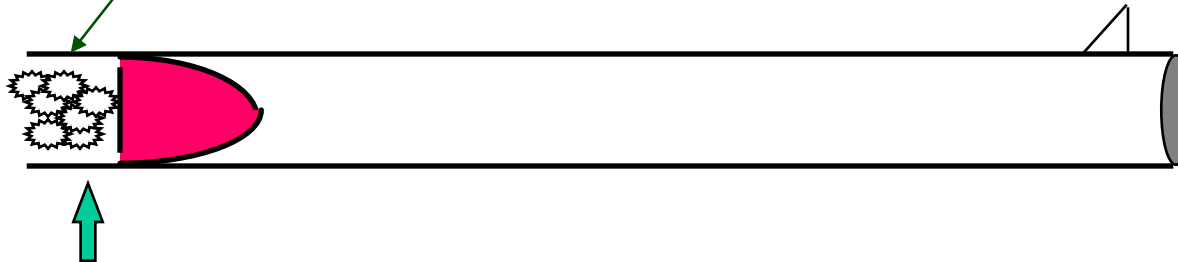
Militec

- 800 494 1746-04
- Rick Baumgartner
- Information & free samples

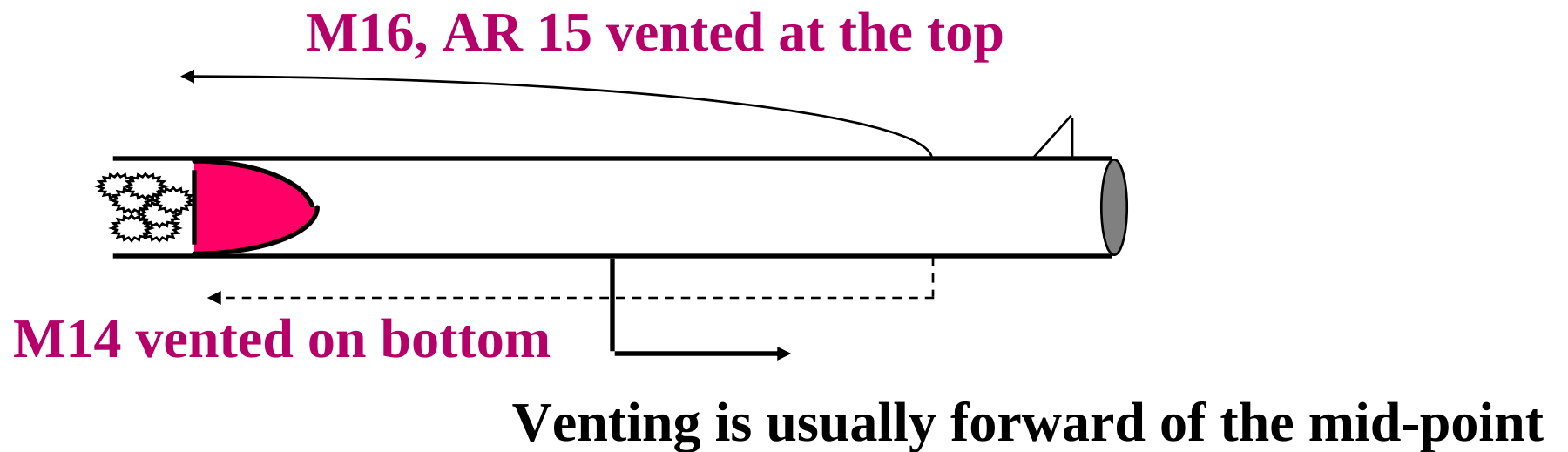
Dry powder



**From solids to gas 900 to 1,000 times
the volume of the dry powder**



Gas pressure from 38,000 to 43,000 psi



Operating Principle

for semi-automatic firearms

- **Gas operated** (M-14, AR-15)
- **Recoil** (signature - the barrel moves) (most modern semi-auto handguns)
- **Blowback** (simple and delayed) (MP5, UZI)
- The P7 is **Blowback** operated with a gas retarded locking delay

Cycle of function

- **Most auto loaders:**

- Feeding
- Chambering
- Locking
- Firing
- Unlocking
- Extracting
- Ejecting
- Cocking

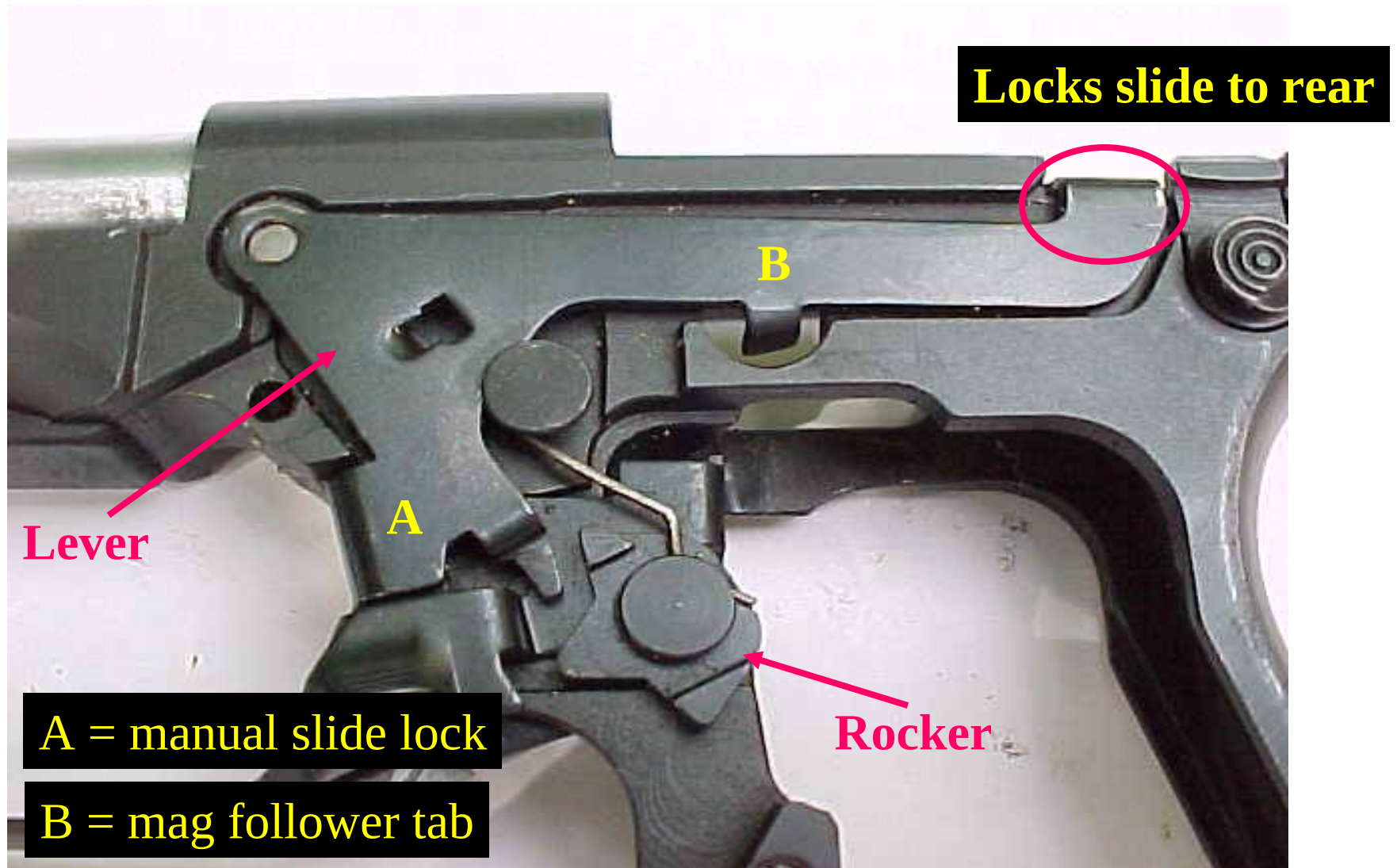
- **P7**

- Feeding
- Chambering
- Cocking
- Firing
- Locking
- Unlocking
- Extracting
- Ejecting

Extractor engages cartridge rim
during Chambering



Slide Stop Assembly



Assembled (left side)



Disconnecter

- Rearward movement of slide before disconnection of trigger:
- 1.3mm
- 1.8mm max.

Weapon De-Cocked



Un-cocked Cocking Latch



Cocking Latch engaged



De-cocked Sear position



Sear Bar half way back



Sear Bar in Cocked position



Weapon Cocked



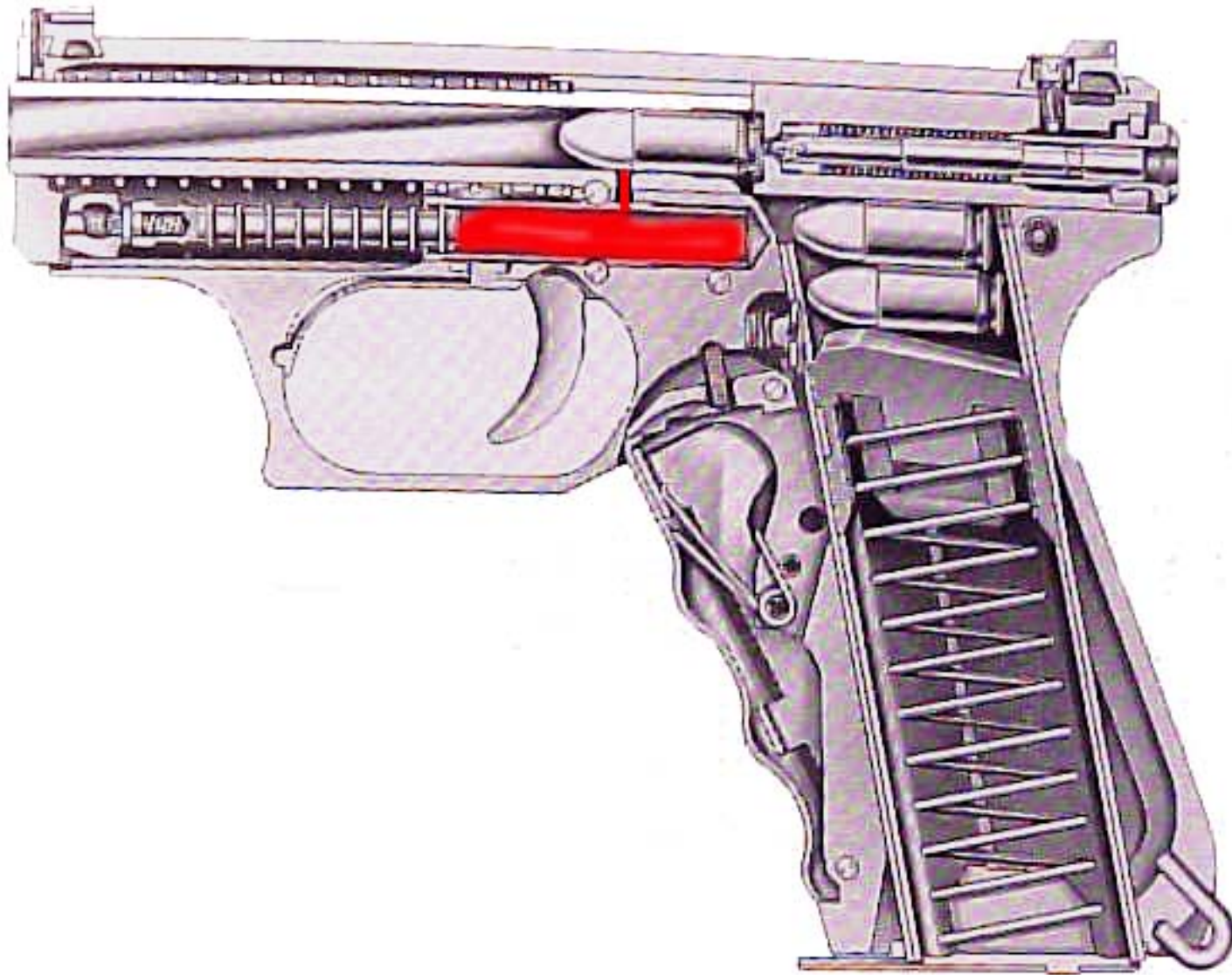
Sear Bar down after Trigger is pulled



Drop Safety



Locking



Gas Cylinder

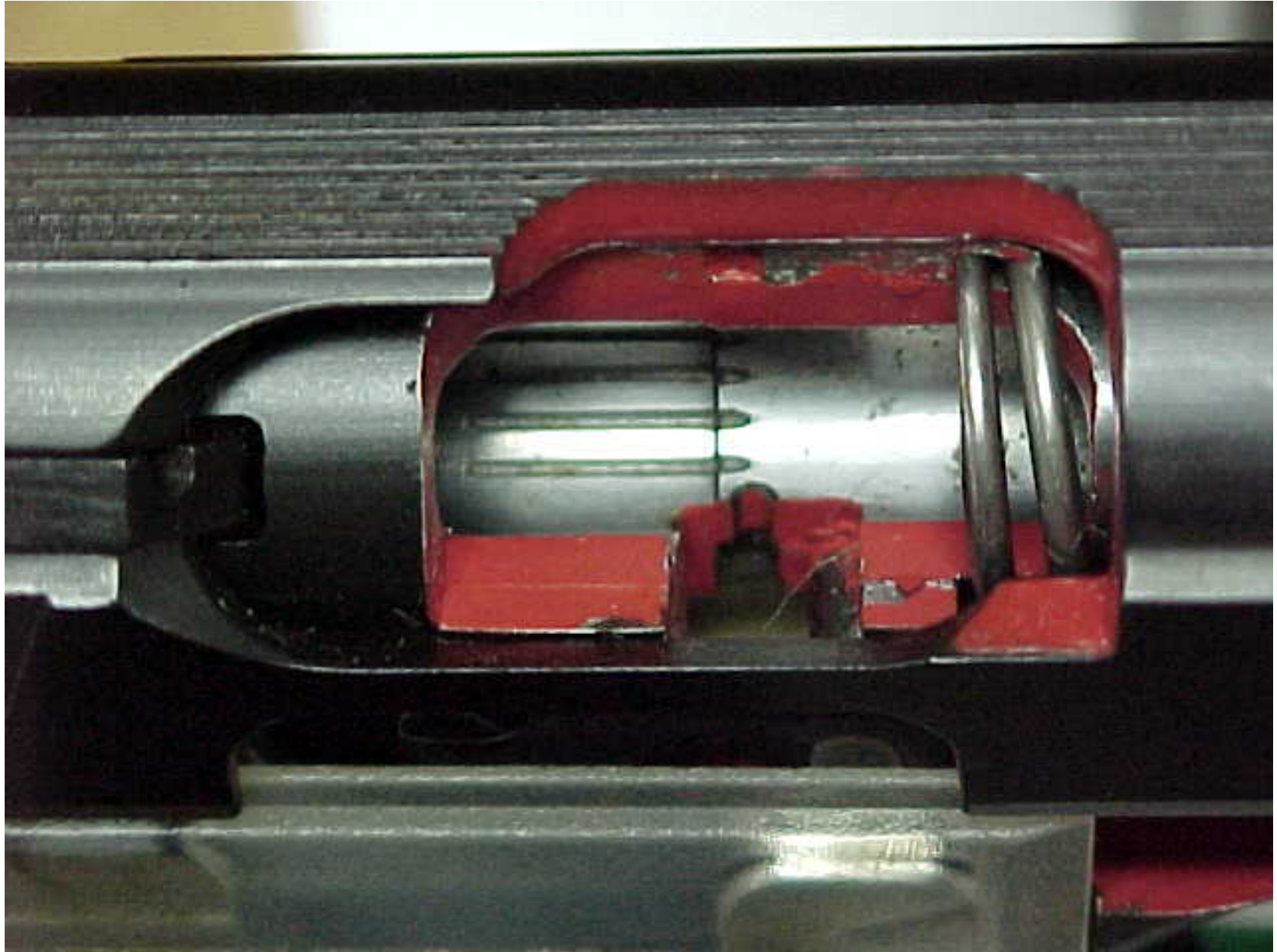


Gas Cylinder Diameter:

Min: 7.004mm

Max: 7.020mm

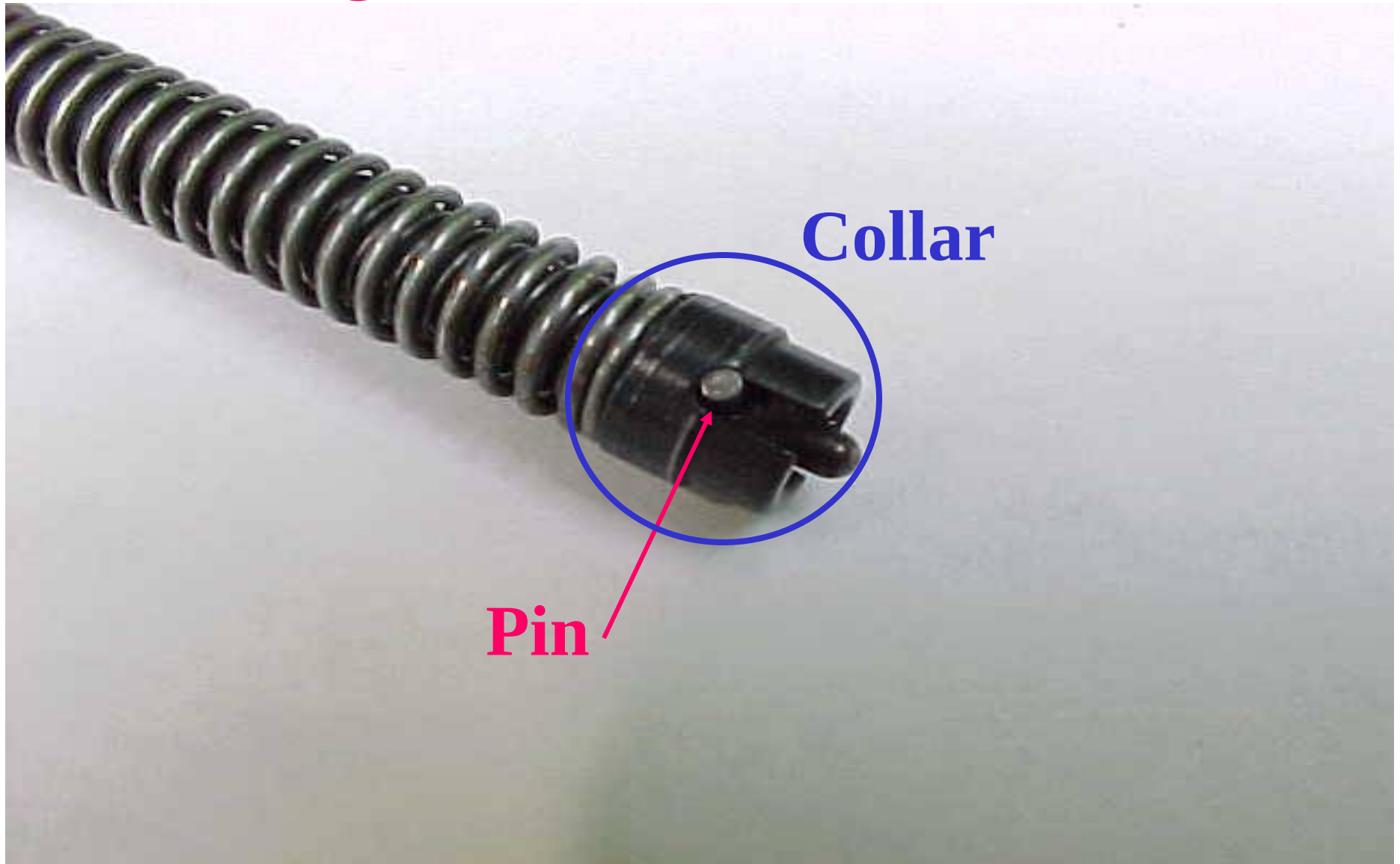
Flutes



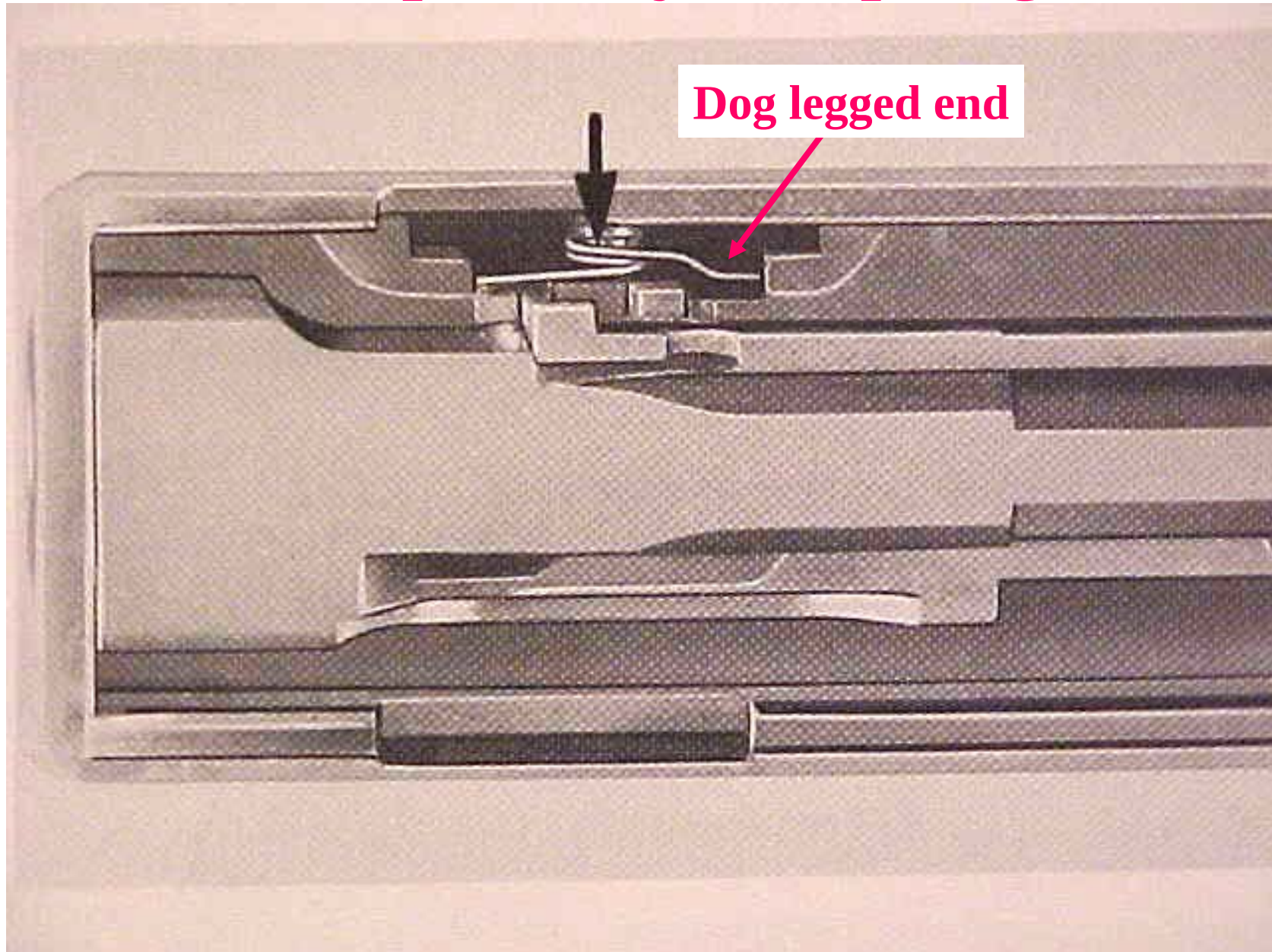
Firing Pin Bushing



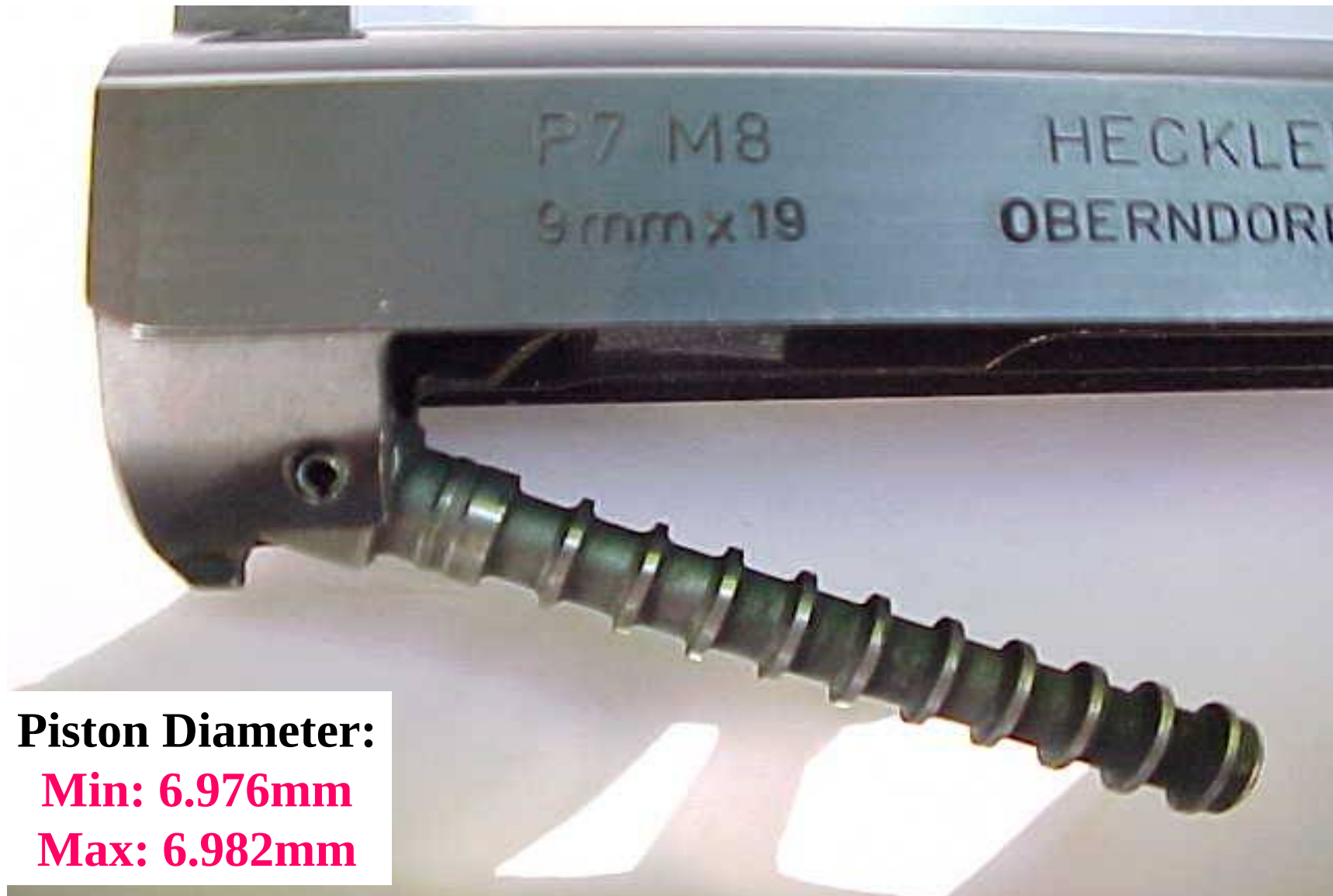
Firing Pin Collar & Collar Pin



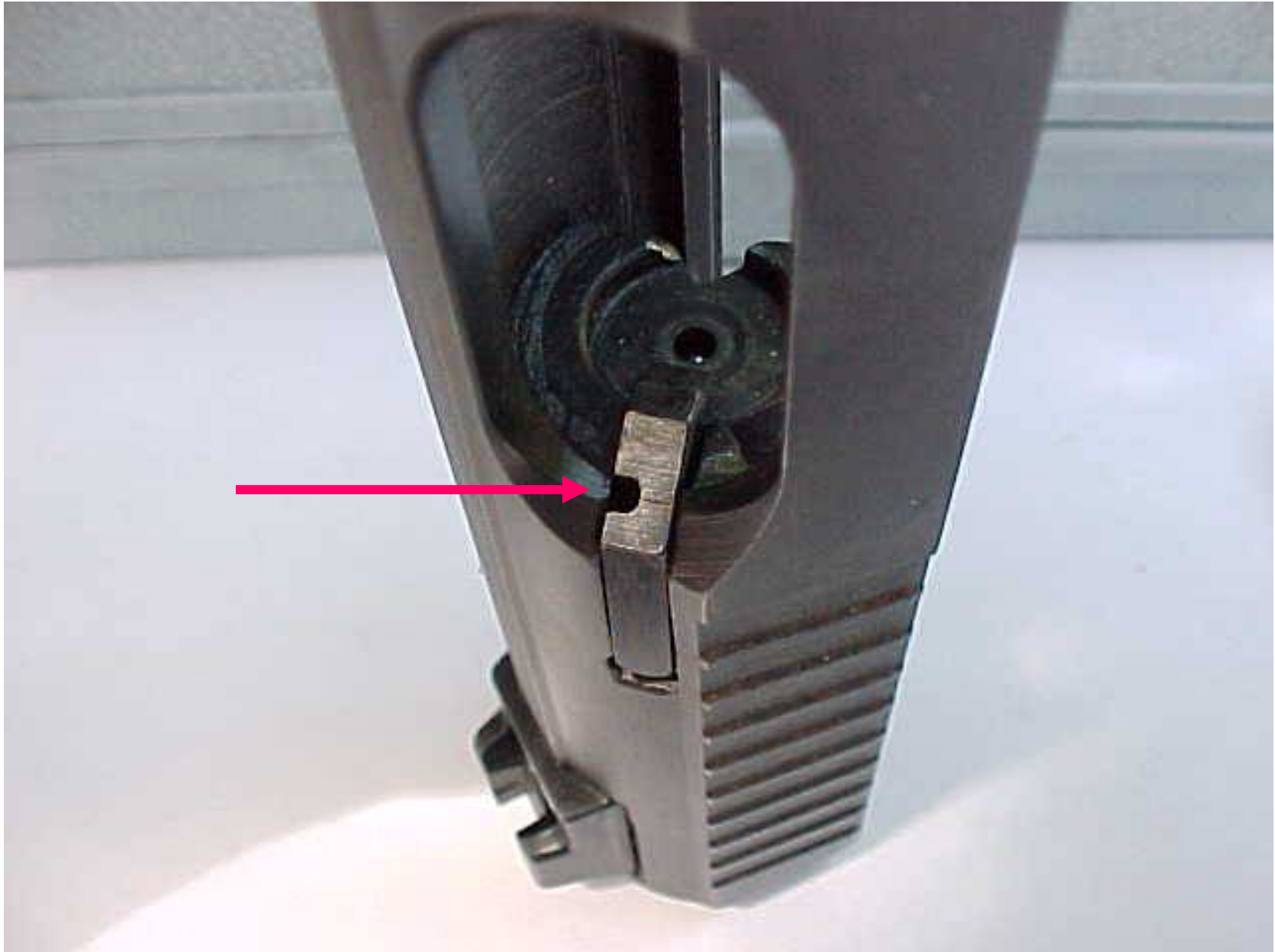
Drop Safety & Spring



Gas Piston



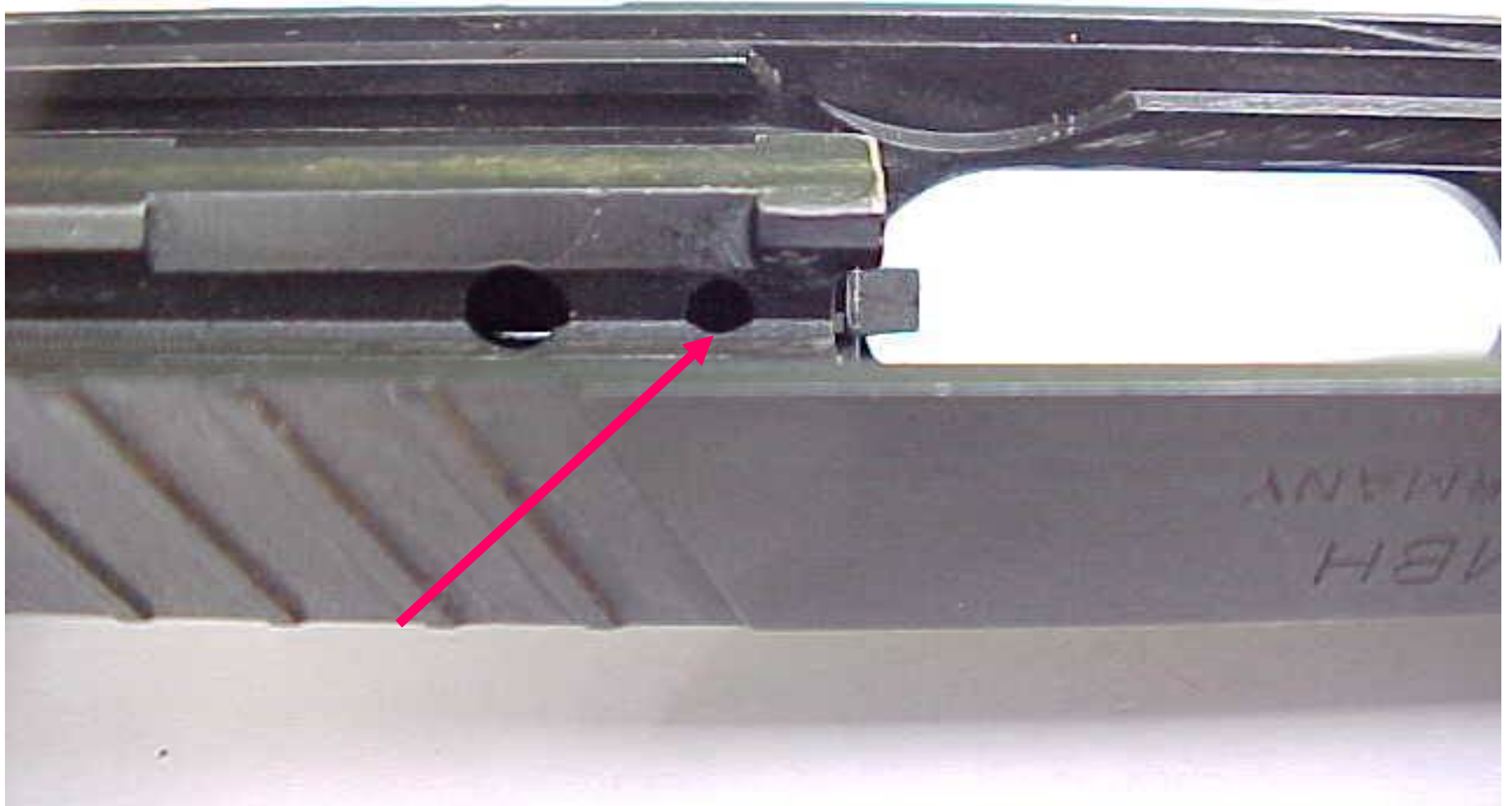
Extractor Disassembly Hole



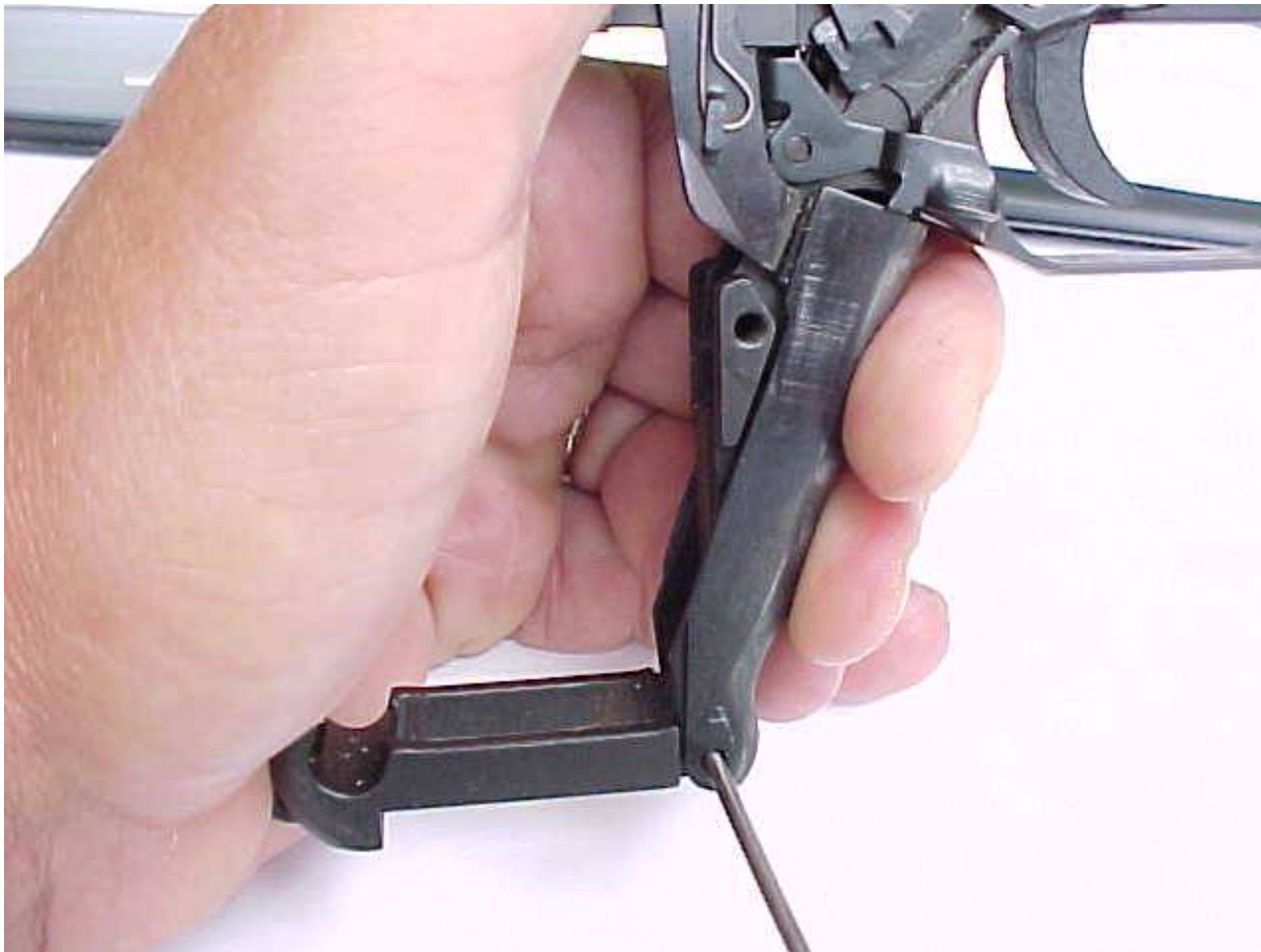
Extractor Tool



Extractor Punch Hole



Squeeze Cocker Pin



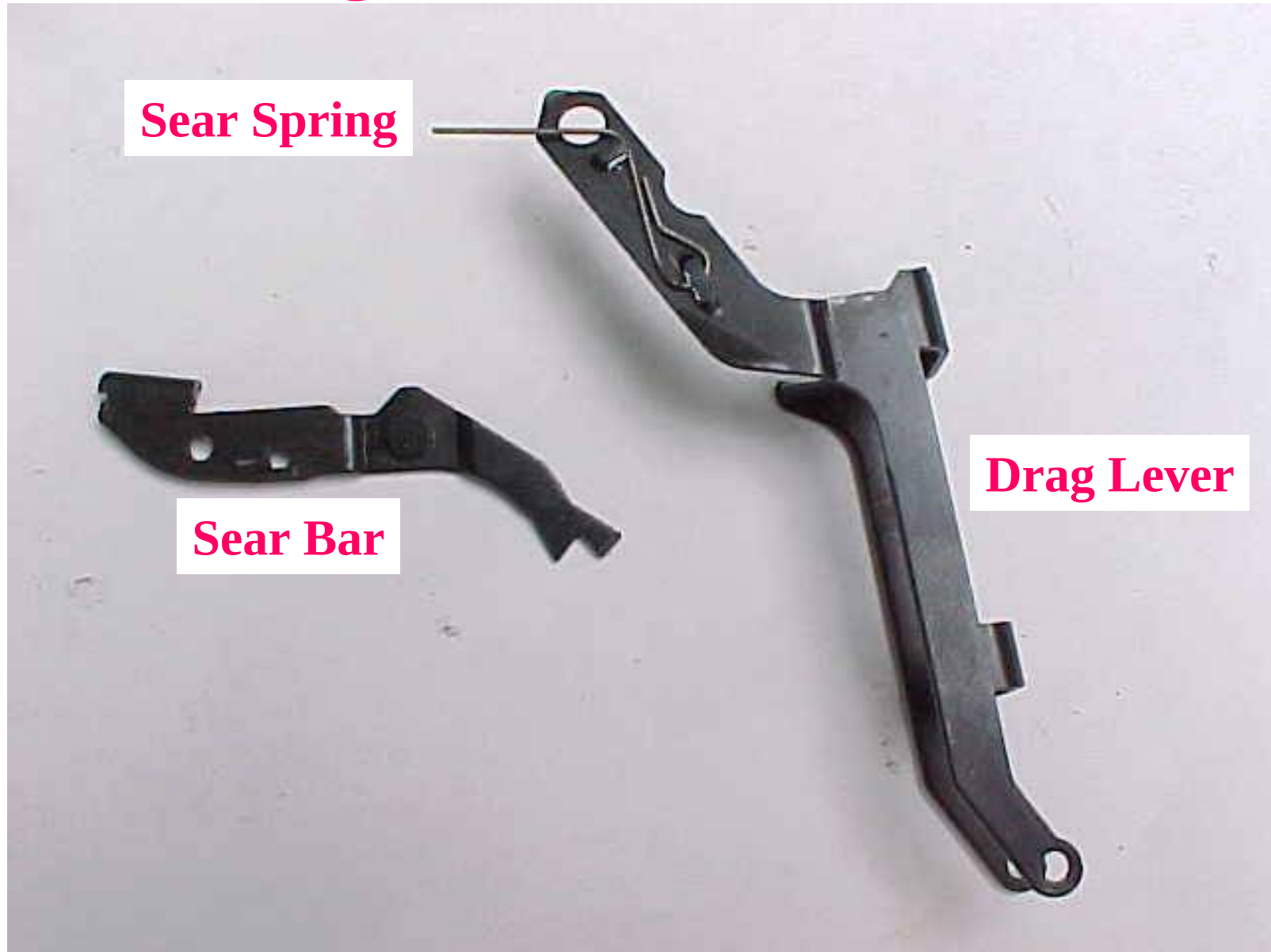
Squeeze Cocker Off



Push Sear Spring Off



Drag Lever & Sear Bar



Trigger Axle out



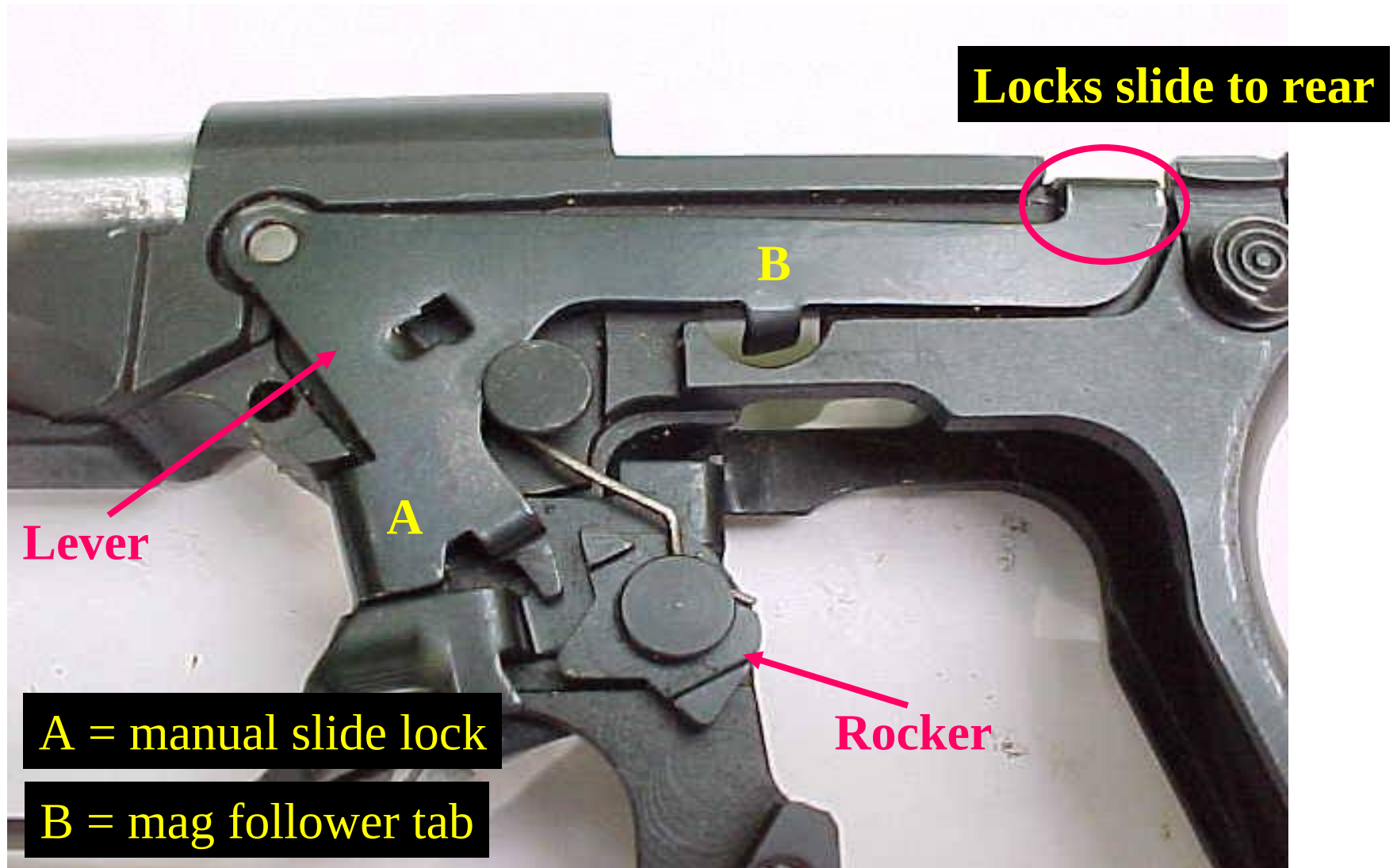
Trigger, Spring & Transmission Bar



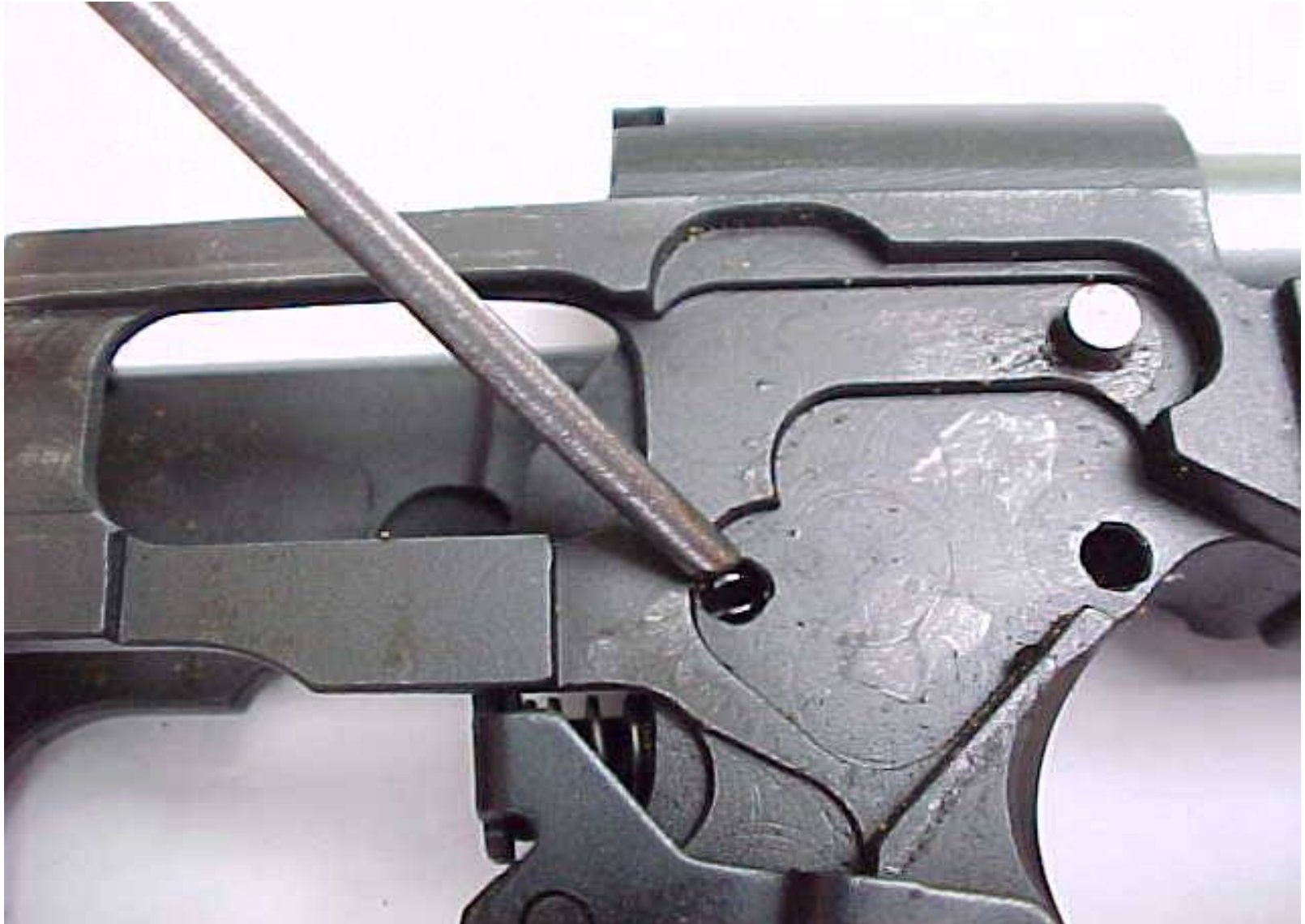
Disconnecter Off



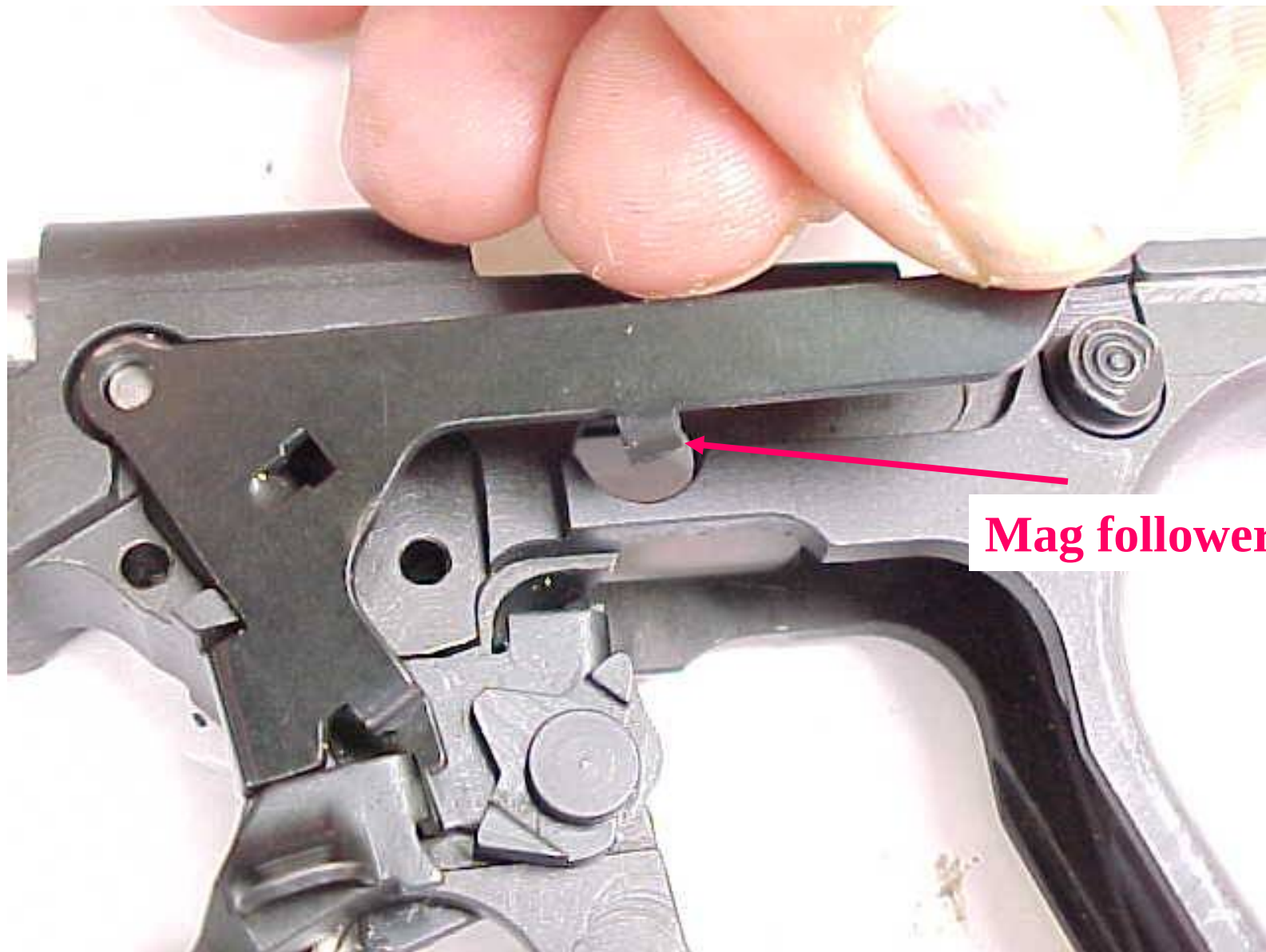
Slide Stop Assembly



Rocker Spring Axle

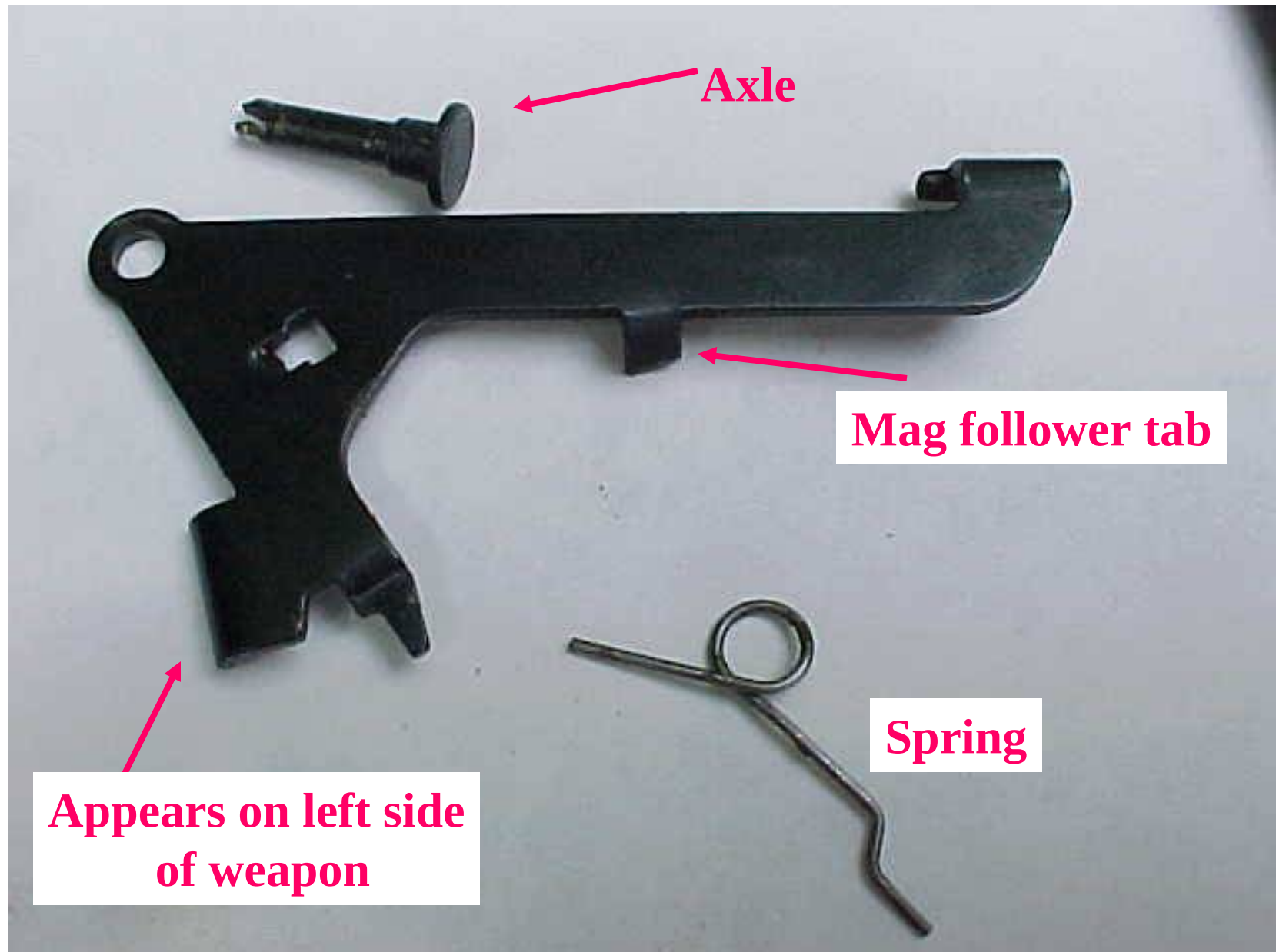


Slide Stop Lever off



Mag follower tab

Slide Stop Lever



Magazine Release Axle



Mag Release Assembly w/Stop



Receiver & Barrel



Receiver & Barrel (right side)



Magazine Release & Spring



Start Mag Release Axle w/ Rocker

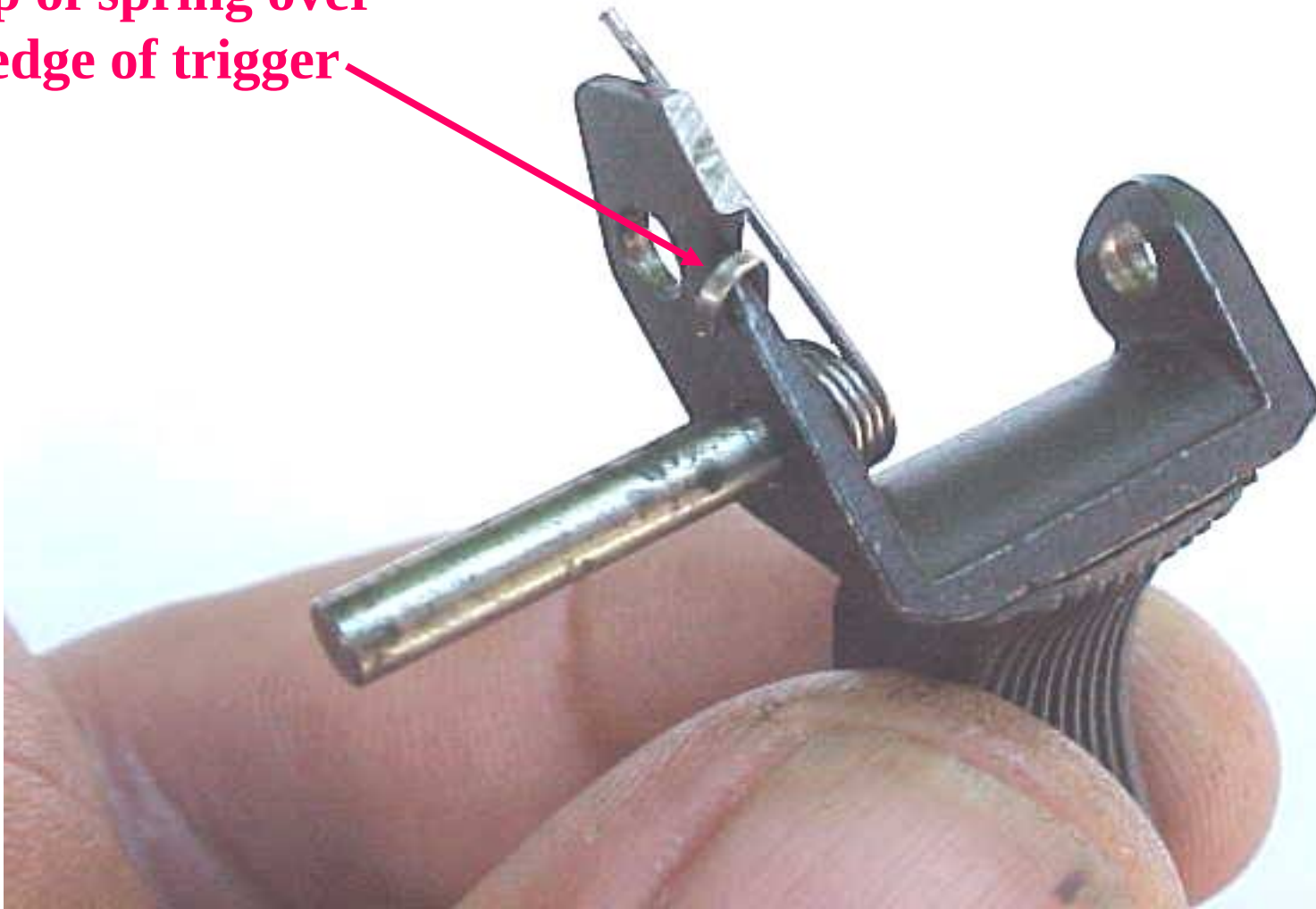


Placement of Stop



Trigger, Spring & Axle

Lip of spring over
edge of trigger



Assembled (right side)



Assembly Order

- Magazine Release Assembly
Mag release, mag release spring, stop, cocking latch & spring, rocker & axle
- Slide Stop Assembly (left side)
Slide stop, spring, axle
- Disconnecter (right side)
- Trigger Assembly (right side)
Trigger, trigger spring, transmission lever
- Sear Bar/Drag Lever (right side)
- Squeeze Cocker

Inspection

LTI (Limited Technical Inspection)

- Armorer gets to see and function check weapons
- Pre or post firing
- used to determine weapon safety or effectiveness of maintenance programs
- Helpful when drafting yearly budgets

Records

Accountability

- Where is the gun??? or Where should the gun be?
- Serialized and alpha
- Keep trade-in/sales records
- LTIs help keep things straight

Records

Round Counts

- Helps identify future problems
- Assists and provides evidence for budget requests

Records

Maintenance

- Record all repairs
- Record LTIs - it is important to have a record of the last time you saw a gun
- Keep all weapons within factory specs
- Maintain all records in a professional manner