



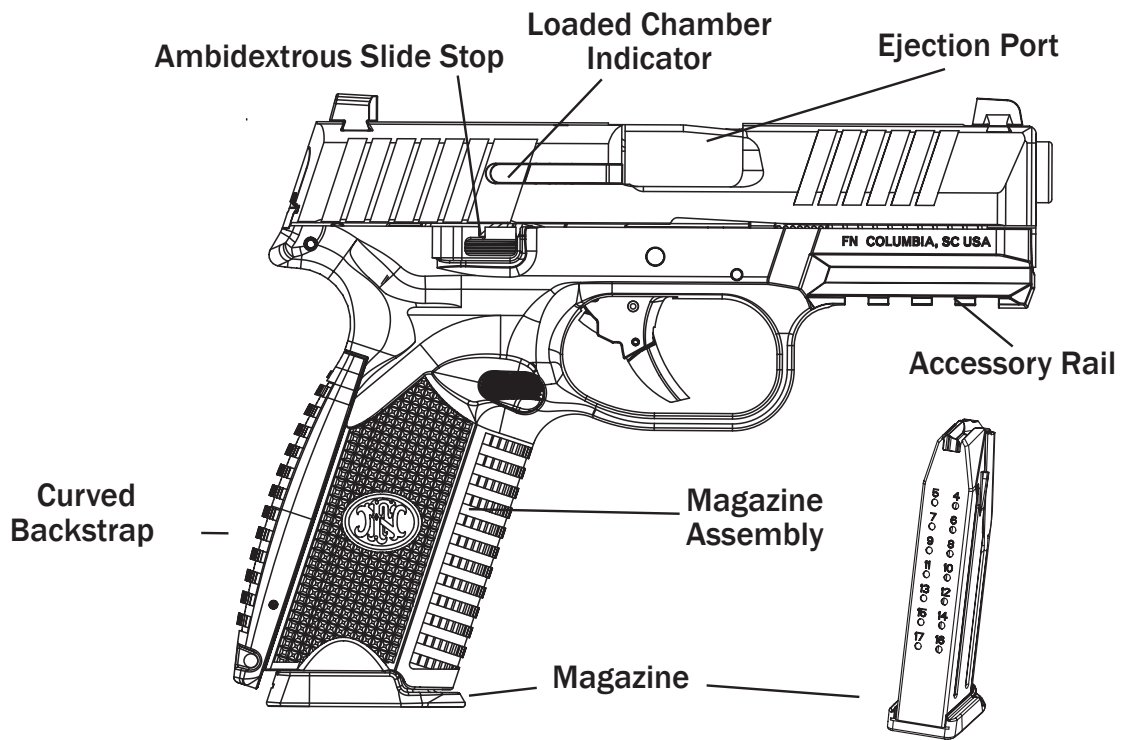
*Sustaining Global
Defence Productions*



**Sustaining
Defence Production,
and
enhancing transfer
of technology.**

**FN HERSTAL 509
CAL 9×19MM**

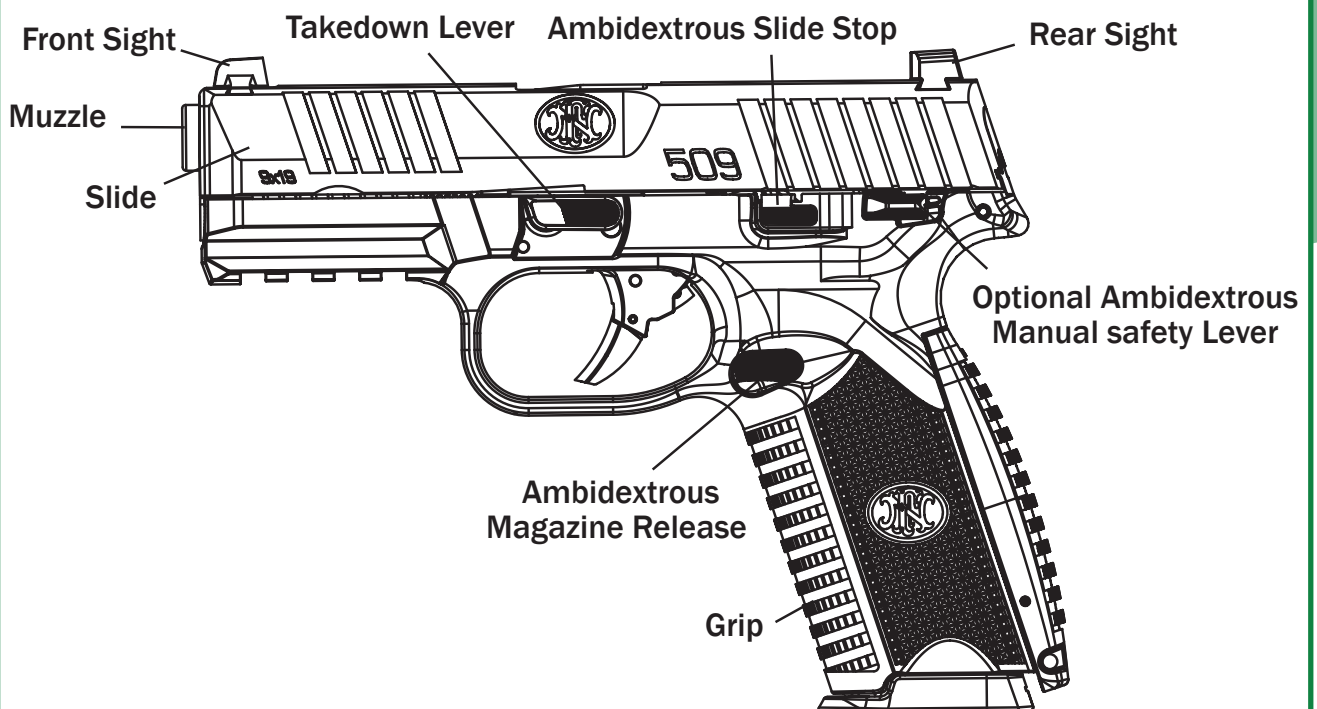


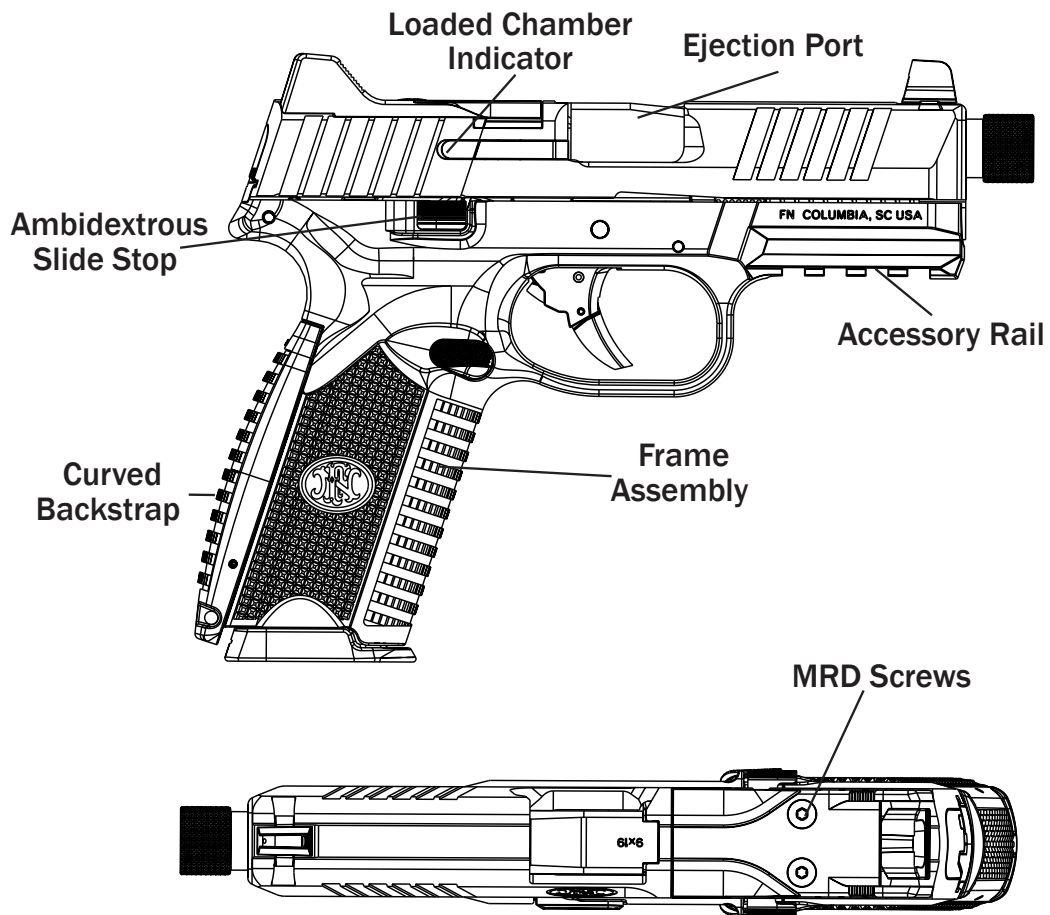


Left view
of the FN 509 pistol
(manual safety
model shown).



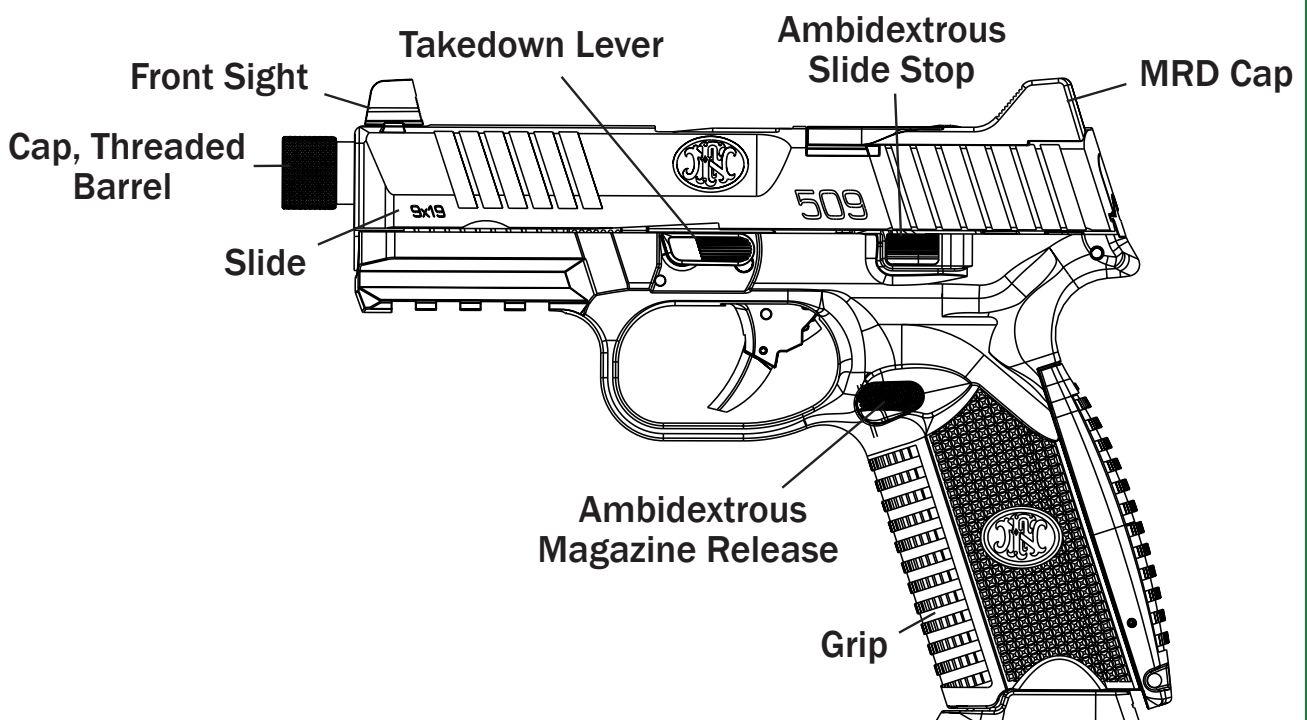
Right view
of the FN 509 pistol
(non-manual safety
model shown).





Left view
of the FN 509
Tactical pistol
(non-manual safety
model shown).

Right view
of the FN 509
Tactical pistol
(non-manual safety
model shown).



FUNCTION OF THE FN 509

The FN 509 is a semi-automatic, locked-breach pistol. With the chamber and magazine loaded, the pistol will fire a single shot each time the trigger is pulled until the magazine and chamber are empty. The slide will remain locked to the rear after the last cartridge is fired.

FIRING CYCLE

When the trigger is pulled the striker block and trigger safety are disconnected and the striker is released to move forward and strike the primer of the loaded cartridge, firing the pistol. The energy generated from the firing of the cartridge moves the slide and barrel rearward, the barrel is unlocked from the slide after a short distance and stopped. The slide then continues rearward under inertia compressing the recoil spring and ejecting the fired cartridge case. As the breach face of the slide passes the back of the magazine in its rearward travel, the cartridges in the magazine rise under spring tension until the top round is in contact with the magazine feed lips. As the slide is returned forward by the recoil spring the top cartridge is stripped from the magazine by the slide and pushed into the chamber of the pistol. Releasing the trigger will allow the firing mechanism to reset and the process can be repeated until the magazine is empty. Upon firing the pistol with an empty magazine inserted, the magazine follower will push the slide stop into engagement with slide and lock the slide to the rear of its travel.

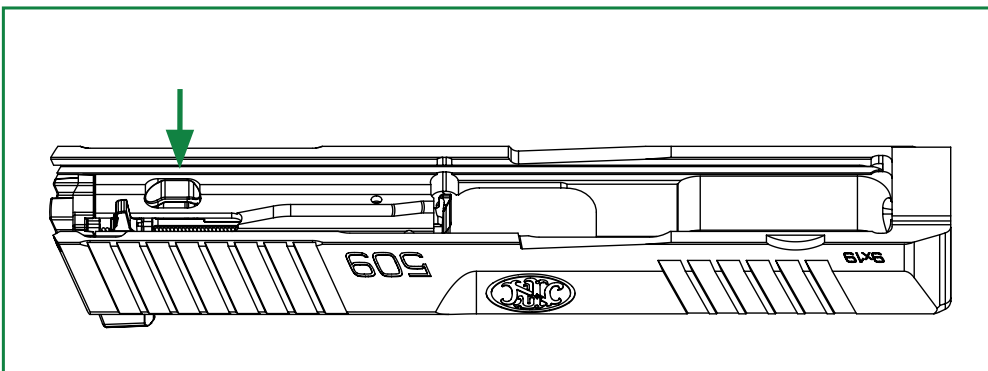
FN 509 FEATURES

PASSIVE SAFETY SYSTEMS

The FN 509 is equipped with four passive safety systems: a striker block; drop safety; trigger disconnect; and trigger safety lever, to prevent the pistol from firing unless the trigger is pulled and the slide and barrel are in the locked position.

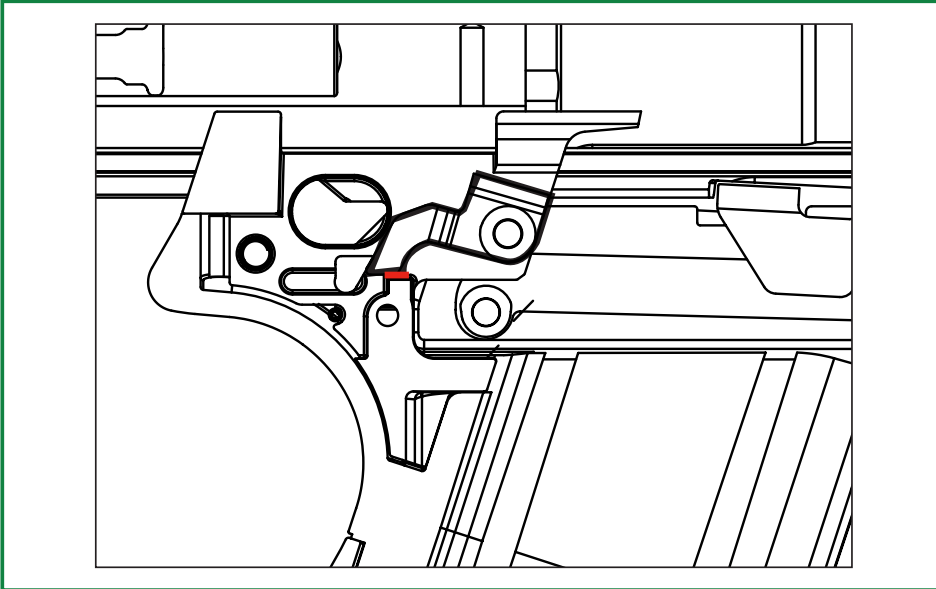
- The striker block prevents the tip of the striker from protruding from the breach face unless the trigger has been pulled to the rear.

Striker block.



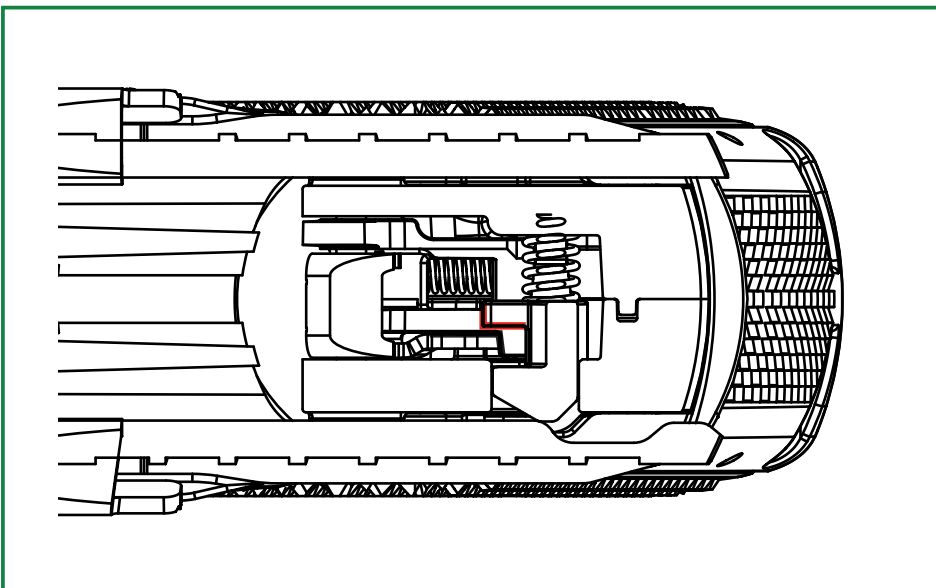
- The drop safety prevents the sear from moving down out of engagement with the striker unless the trigger has been pulled to the rear.

Drop safety.



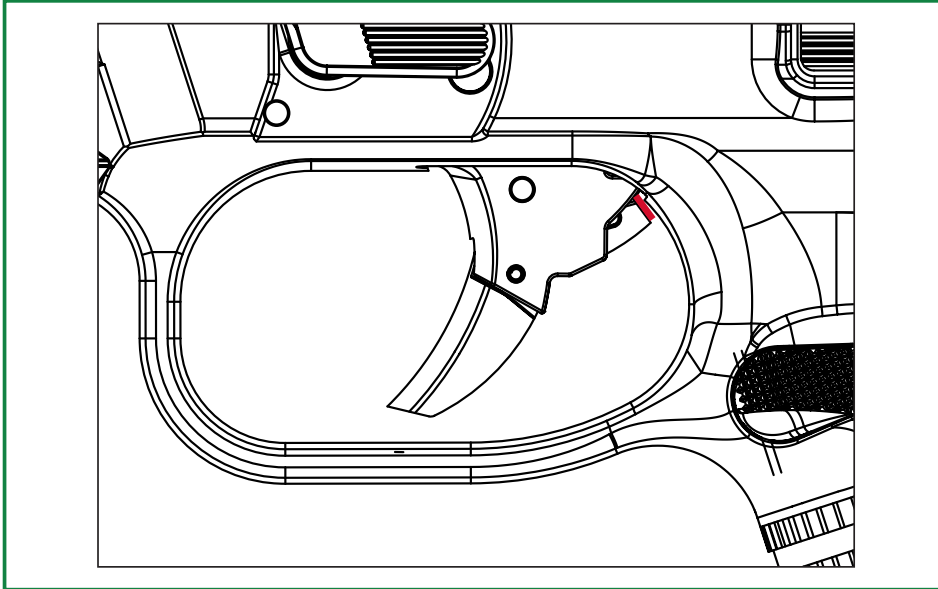
- The trigger disconnect safety is actuated when the disconnect cam is pushed out of alignment with the sear preventing the sear from releasing the striker. This safety feature prevents the pistol from firing out of battery.

Trigger disconnect.



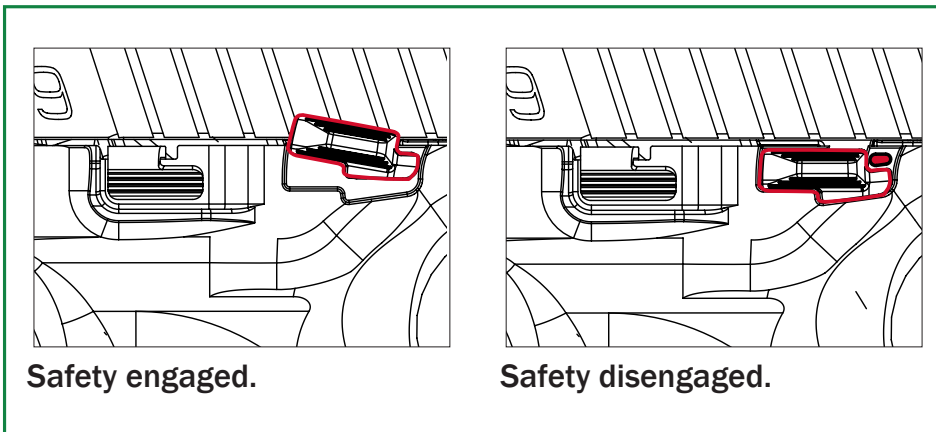
- The trigger safety remains engaged unless the shooter's finger is on the trigger and blocks the rearward movement of the trigger, preventing the trigger from moving rearward under inertia should the pistol be dropped.

Trigger safety.



MANUAL SAFETY

(APPLICABLE ONLY TO PISTOLS WITH A MANUAL SAFETY)

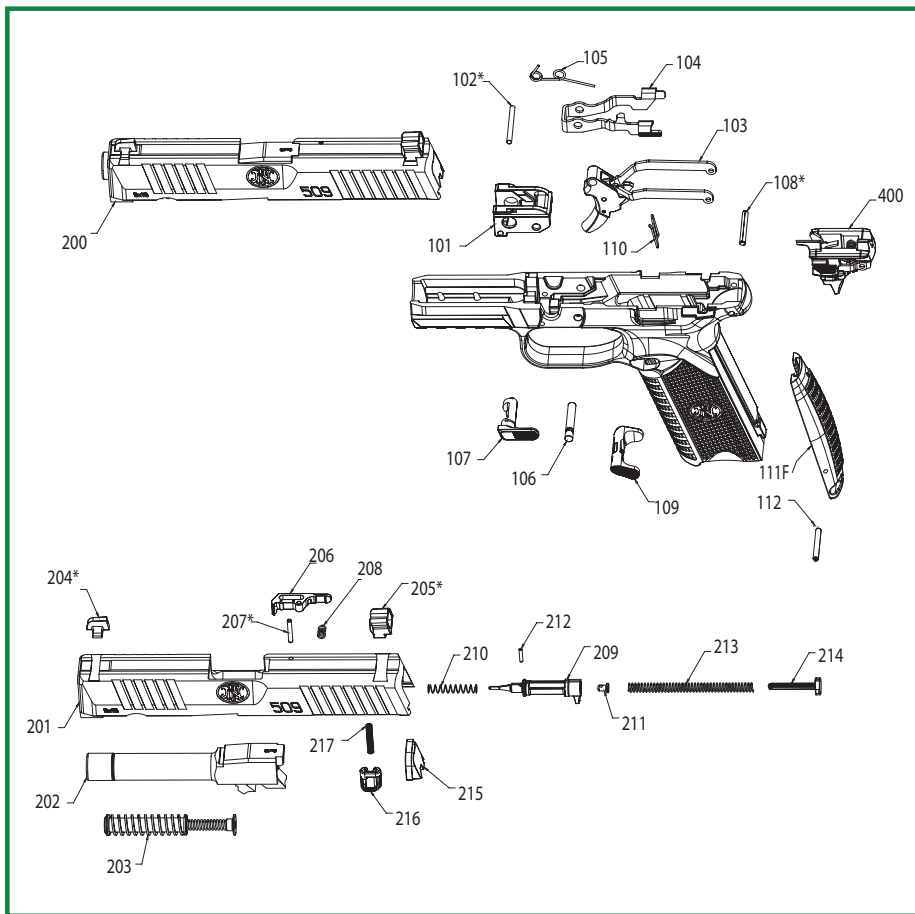


Some FN 509 pistols may be equipped with a manually activated safety that prevents the pistol from firing unless it is deactivated. On FN 509 pistols equipped with a manual safety the safety levers will be located near the rear of the frame. When the safety levers are moved to the up position, the safety is engaged and blocks the movement of the sear carrier and trigger assembly. When the safety levers are moved down the red dot indicating that the pistol will fire is exposed and the firing mechanism is free to operate. The safety lever is retained in the selected position by a detent and will snap into location when engaged or disengaged.

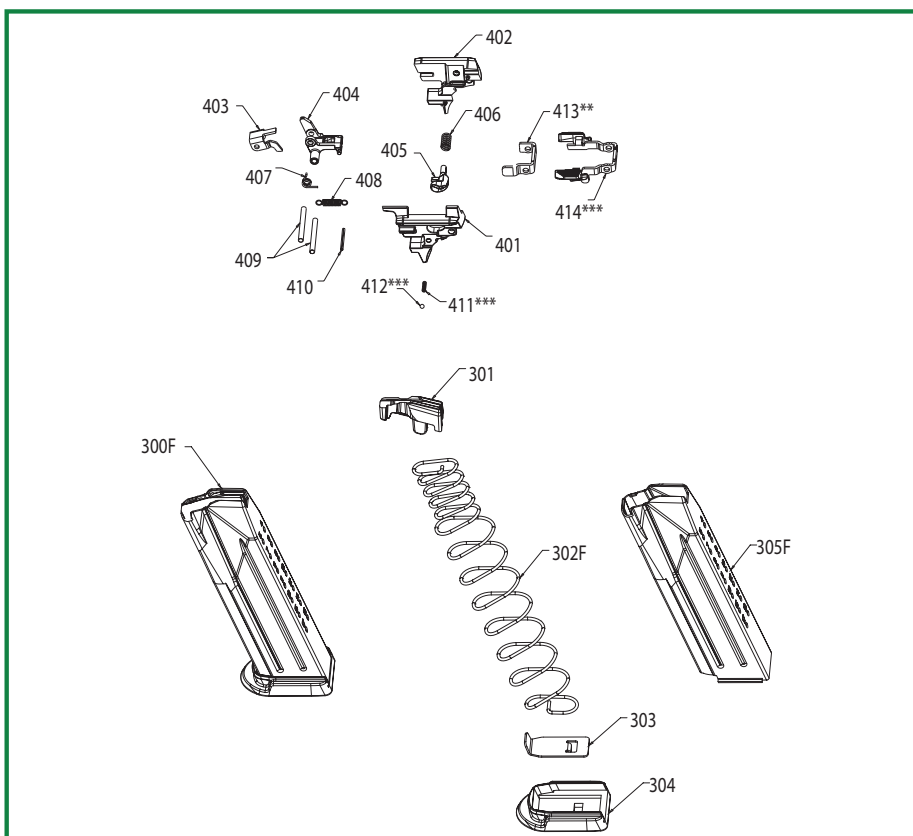
If the pistol is equipped with a safety, it is recommended that the safety be disengaged only when ready to fire the pistol or for disassembly.

SCHEMATIC AND PARTS LIST

FN 509 STANDARD MODEL



- * Replacement recommended after removal
- ** Non-manual safety model only
- *** Manual safety model only



NUMBER	DESCRIPTION
101	Unlock Block
102*	Pin, Unlock Block Retaining
103	Trigger Assembly
104	Lever, Slide Stop
105	Spring, Slide Stop
106	Pin, Trigger
107	Lever, Take Down
108*	Pin, Fire Control
109	Release, Magazine
110	Spring, Magazine Catch
111F-A	Backstrap, Small, Black
111F-B	Backstrap, Medium, Black
111F-C	Backstrap, Large, Black
112	Pin, Backstrap Retaining
200-A	Slide Assembly, FN 509, Black, DS
200-B	Slide Assembly, FN 509, Black, NS
201	Slide, FN 509, 9mm, Black
202	Barrel, 4.02"
203	Recoil Spring Assembly
204-A*	Sight, Front, Day
204-B*	Sight, Front, Night
205-A*	Sight, Rear, Day
205-B*	Sight, Rear, Night
206	Extractor
207-A*	Pin, Extractor
208	Spring, Extractor
209	Striker
210	Spring, Striker Return
211	Striker Spring Stop
212	Pin, Striker Spring Stop
213	Spring, Striker
214	Guide, Striker Spring
215	Slide End Cap
216	Block, Striker
217	Spring, Block
300F-A	Magazine Assembly, 17 Rd, Black
300F-B	Magazine Assembly, 10 Rd, Black
301	Follower, 9mm, Orange

NUMBER	DESCRIPTION
302F	Spring, Magazine
303	Catch, Magazine Floorplate
304	Floorplate, Magazine, Black
305F-A	Tube, 509F Magazine, 17 Rd
305F-B	Tube, 509F Magazine, 10 Rd
400-A	Fire Control Assembly, 509, NMS
400-B	Fire Control Assembly, 509, MS
401	Housing, Left
402	Housing, Right
403	Sear
404	Carrier, Sear
405	Cam, Disconnect
406	Spring, Disconnect
407	Spring, Sear
408	Spring, Carrier
409	Pin, Carrier
410	Pin, Carrier Spring
411***	Spring, Detent
412***	Bearing, Ball
413**	Clip, Retaining
414***	Overmold, Manual Safety



FN 509®

For security market only

Calibre	9x19mm
Mechanism	Pre-loaded striker autoloader
Operating principle	Short recoil
Length	188mm (7.40")
Barrel length	101.6mm (4")
Magazine capacity	17 rounds
Weight - empty magazine	± 753 g (± 1.66 lb)
- loaded magazine)	± 957 g (± 2.10 lb)
Iron sights	Fixed 3-dot luminescent sights
Manual Safety	With or Without
Trigger Pull	2.5 – 3.5 daN



*Sustaining Global
Defence Productions*

EL



info@dicond7g.ng

info@d7g.com



www.d7g.ng



+234 80 3333 5533

+234 906 552 7916



NO 26 ALI AMODU CRESCENT, ASOKORO, FCT ABUJA