

MODEL NP34 PISTOL



9X19mm PARABELLUM

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1. General Description

Model NP 34 9mm Para. pistol is designed specifically to meet the requirements of the military and law enforcement agencies. This pistol is a mechanically locked, short-recoil operated pistol featuring an automatic firing pin safety lock, double action trigger, decocking lever and slide stop. Chamber the first loaded shot and loading is automatic with each shot fired, until the magazine is empty. The slide is held open after the last shot has been fired.

2. Main Technical Data

Caliber	9mmx19para
Length, Overall	180mm
Height, Overall	136mm
Width, Overall	37mm
Barrel Length	98mm
Rate of Twist	254mm
Number of Rifling	6R. H.
Sight base	143mm

Weight , with One Unloaded Magazine	830grams
Trigger Pull : Single Action	20-30N
Double Action	40-73N
Magazine Capacity	13Rds

3. Principal Features

The automatic firing pin lock provides maximum safety with the hammer in either the cocked or decocked position . The pistol can only be fired by pulling the trigger .

The double -action trigger and the absence of manual safeties provide immediate first - shot potential.

The decocking lever allows the cocked hammer to be safely lowered into the safety intercept notch without touching the trigger. During this procedure, the firing pin remains automatically locked.

High - contrast sights allow rapid target acquisition ,even under poor light conditions.

4. Functions

With the pistol loaded and the hammer cocked, the shot is discharged by pulling the trigger. Trigger movement is transmitted by the trigger bar which draws the sear out of register with the full – cock hammer notch via the safety lever. With a slight timing lag, the safety lever also cams the safety lock upwards, to free the firing pin immediately before the hammer drops. The hammer forces the firing pin forward to strike and detonate the cartridge primer.

Blowback reaction generated by the exploding charge thrusts the locked barrel / slide system rearward against the recoil spring. After recoiling about 3 mm, the barrel and slide unlock, allowing the barrel to tilt down into the arrested position. The slide continues rearward until it abuts against the receiver stop.

During the slide recoil, the hammer is cocked, the spent case is extracted and ejected as it strikes the ejector. In the initial recoil phase, the safety lever and safety lock separate automatically rendering the firing pin safety lock effective again. As recoil continues, the slide depresses the trigger bar, disconnecting it from the safety lever. Sear spring pressure returns the sear and safety lever to their initial positions.

After contacting the receiver stop, the slide is thrust forward by the compressed recoil spring, stripping a round from the magazine and chambering it on the way. Just

before reaching the forward end position, the slide again locks up with the barrel. The complete system is then thrust fully into the forward battery position by recoil spring pressure. Releasing the trigger allows the trigger bar and safety lever to reengage.

Now the pistol is cocked and ready to fire. After firing the last shot, the slide is arrested in the rearmost position by the slide stop. This stop is actuated positively by the magazine follower which is raised by magazine spring pressure.

5. Sights

The sights consist of a rear sight (6) and a front sight(5) blade which are designed and dimensioned to ensure rapid target acquisition even when visibility is poor.

The pistol is delivered with factory - adjusted front sight and rear sight. Either sight is not recommended to be re - adjusted.

6. Safeties

(1) Firing pin lock and hammer rebound into the safety notch(Fig. 1)

The automatic firing pin lock described in preceding sections, and which can only

be deactivated by intentionally pulling the trigger(20) , provides an optimal degree of inherent safety. In conjunction with the double -action trigger , it also greatly enhances immediate first - shot potential. This combination of locked firing pin and positive hammer(29) rebound into the safety intercept notch, effectively prevents accidental discharge of a chambered round, even if the loaded pistol is dropped in either the cock or decocked condition.

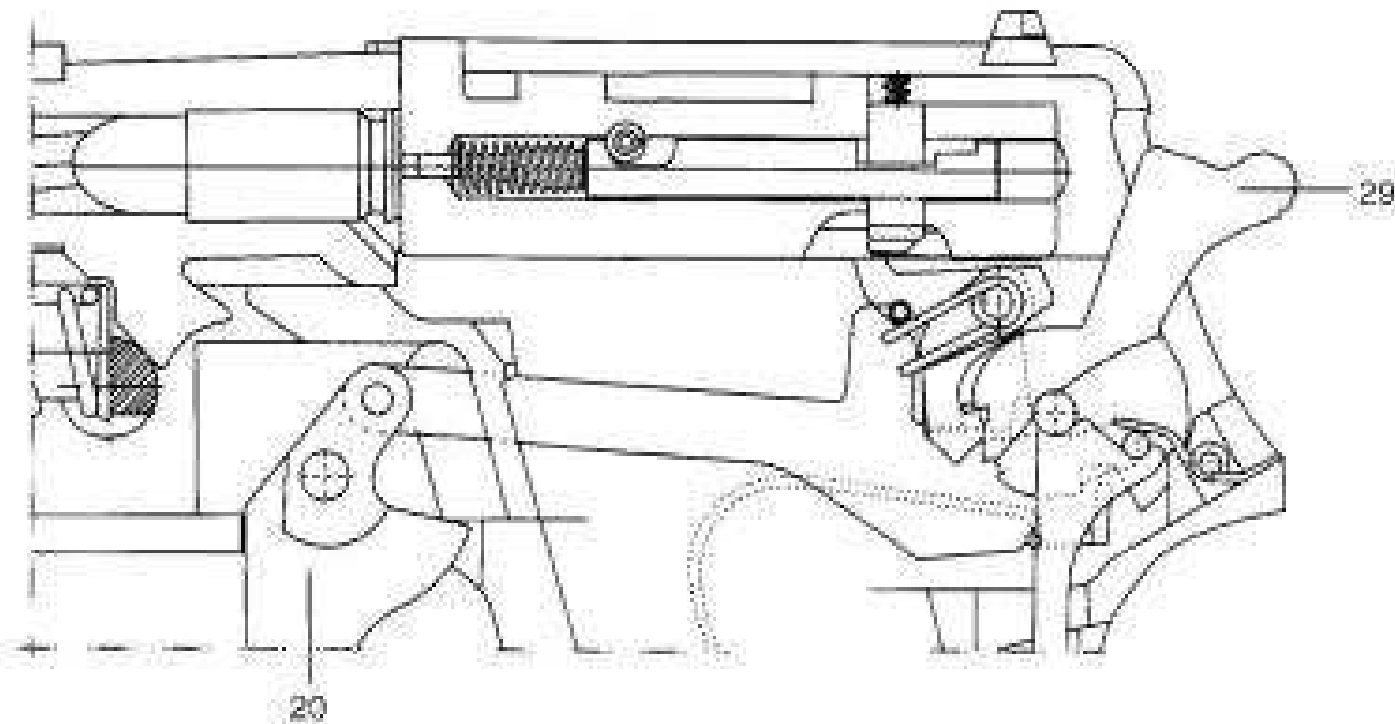


Fig. 1

(2) Disconnecter safety(Fig. 2)

If the slide (4) does not return to the full forward position due to the pistol, magazine or ammunition malfunction,connection between the firing pin lock and safety

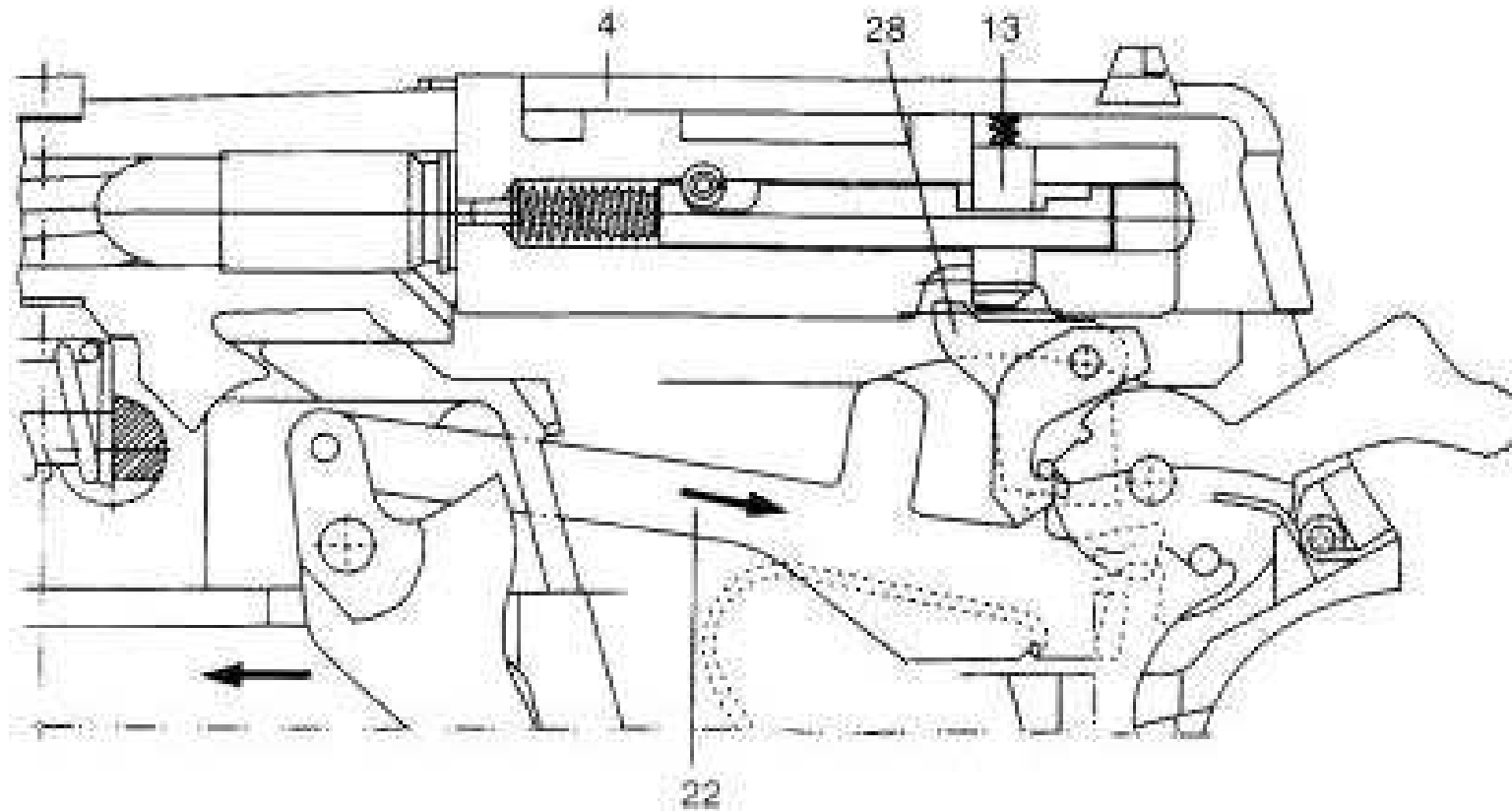


Fig.2

lever (28) is not made. Therefore , deactivation of the safety lock (13) is automatically prevented.

In this disconnected state , the slide(4) also came down the trigger bar (22) and effectively interrupts subsequent trigger functions.

7.Double - action trigger and decocking lever

(1). Double - action trigger (Fig. 3)

If the loaded pistol is not already cocked , the shot can be fired by way of the double - action trigger mechanism.

As the trigger (20) is pulled , the trigger bar (22) , engaging the double - action notch, cocks the hammer (29). In the final phase of movement, the trigger bar (22) pivots both the safety lever (28) and the sear (24). The safety lever (28) raises the safety lock (13) to free the firing pin (11). As trigger (20) movement continues ,the trigger bar (22) cam acts against the hammer pivot pin (31) to disengage the trigger bar (22) from the double -action notch. This releases the hammer(29) which strikes the firing pin (11) to discharge the shot (p) .

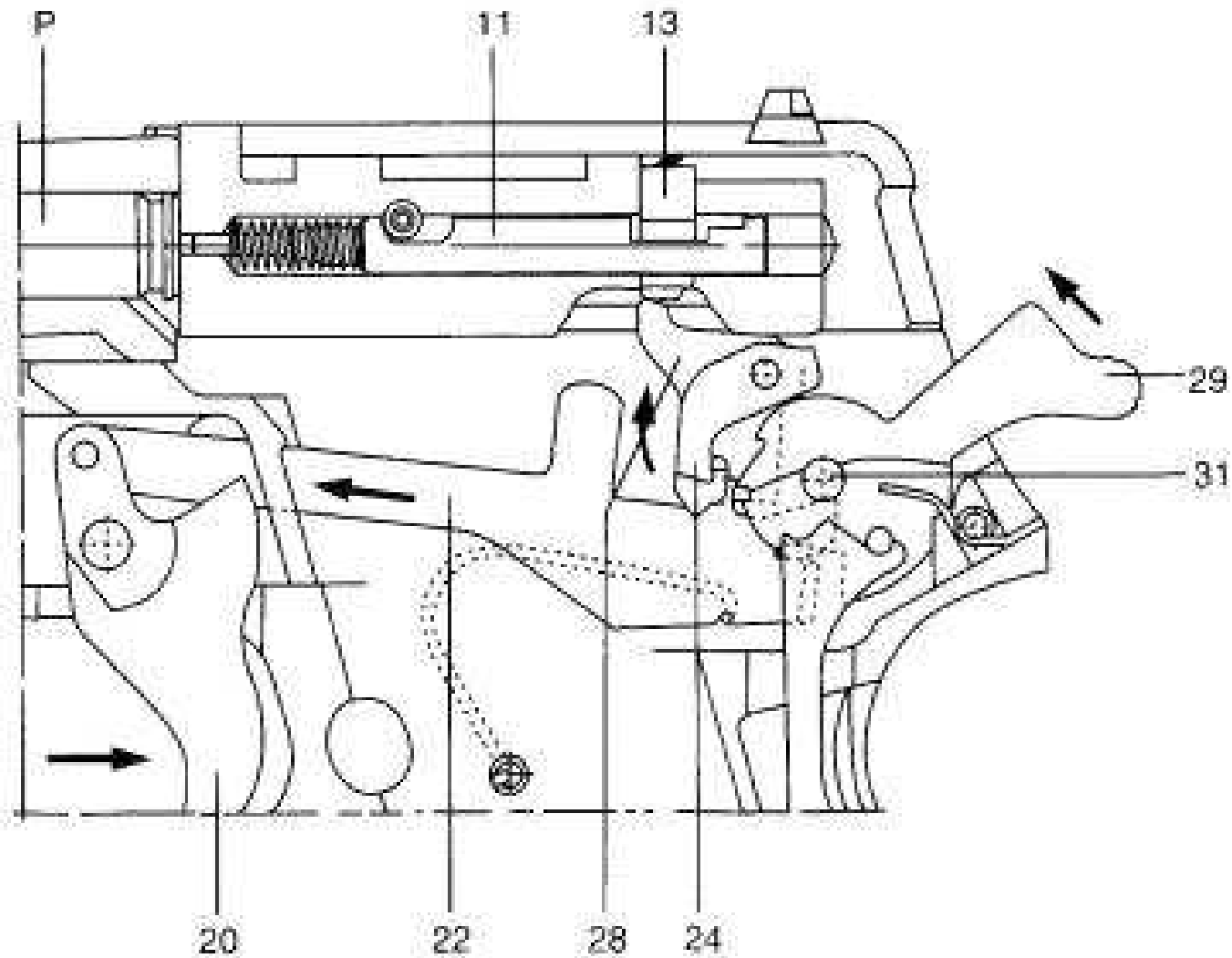


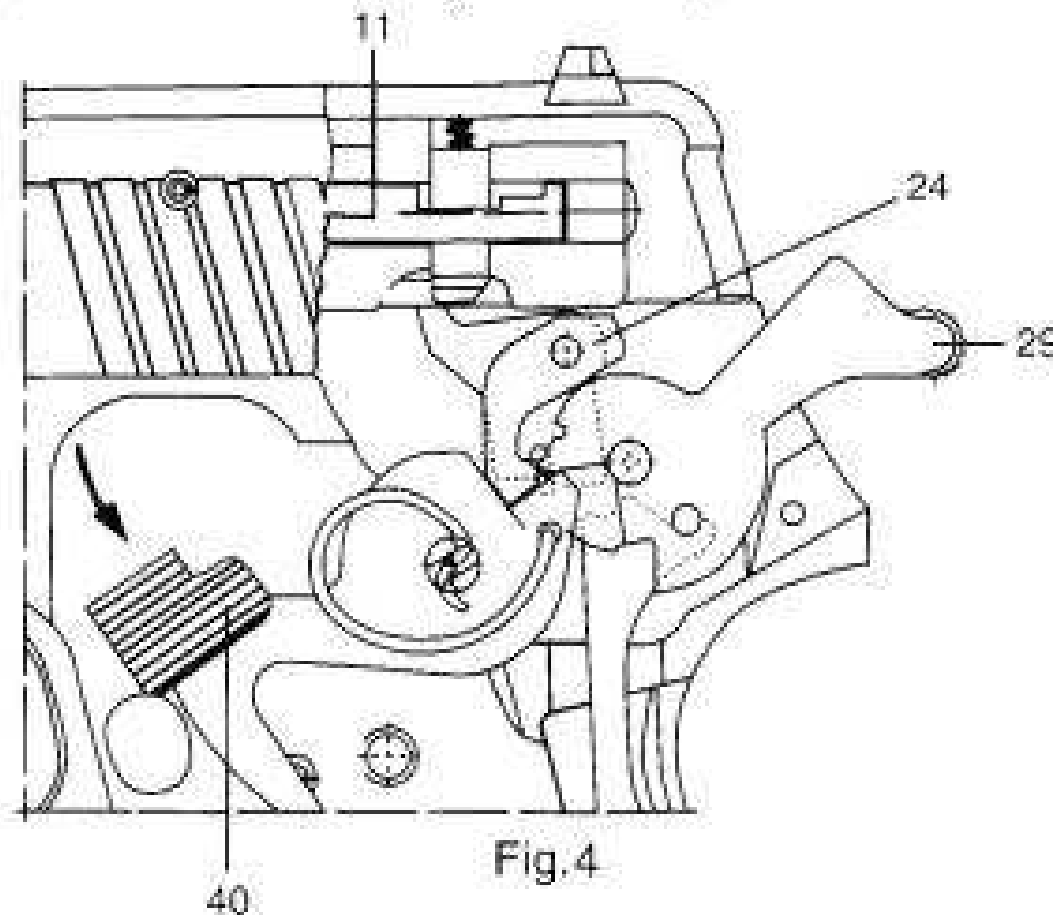
Fig.3

(2). Decocking lever and hammer safety notch (Fig. 4)

Thumbing down the decocking lever (40) takes the sear (24) out of register with

the fullcock hammer (29) notch. As the decocking lever (40) is released, main spring pressure drops the hammer (29) which is then caught by the sear (24) engaging in the safety intercept notch.

During and after decocking, the firing pin (11) remains constantly locked. The safety intercept notch also becomes effective in case of inadvertent hammer (29) release when thumbcocking the pistol. The safety intercept notch is the rest position of the hammer (29) when the main spring is not compressed.



8. Handling

(1) Important instructions

- Use only factory loaded ammunition of the proper caliber specified for the pistol.

- During any manipulation, the pistol is to be pointed toward the target or in a safe direction.

- Do not rest your finger on the trigger while handling the pistol.

- Load the pistol only when it is ready to use.

- The pistol should be unloaded with the ammunition stored separately when not being used.

- Decock the pistol by using the decocking lever only in order to guarantee maximum safety. Do not decock the pistol by pulling the trigger and letting the hammer move forward.

(2) Loading the magazine

Press down on the magazine follower with the cartridge case rim. Push the cartridge to the rear and under the magazine lips. Continue until the magazine contains the desired number of cartridges.

(3)Chambering the pistol

Insert a full magazine and ensure that it has engaged the magazine catch.

Draw back the slide to the stop and allow it to snap forward into battery. This cocks the hammer and chambers a round. Thumb down the decocking lever. The pistol is now loaded ,safe and ready to fire.

(4)Reloading during shooting

When the magazine is empty ,the slide is held open by the slide stop. Remove the empty magazine and insert a fresh one.

Thumb down the slide stop with the shooting band, or draw back the slide and allow it to snap forward . The pistol is again loaded and ready to fire.

(5)Unloading the pistol

Remove the magazine

Draw back the slide and verify visually and physically that the last round has been extracted from the chamber and ejected. Let the slide snap fully forward. Thumb down the decocking lever . The pistol is now unloaded , decocked and safe.

9. Field stripping and Assembling

(1)When field stripping the pistol,observe the following sequence: Fig. 5
Remove the magazine (51).



Fig.5

Fig. 6

Draw back the slide (4) to the stop and arrest it in the open position by thumbing up the slide stop (18).

Check visually and physically to ensure that the chamber is empty and the magazine well is clear.

Turn the take - down lever (16) clockwise to 90 degree.



Fig.6

Fig. 7

Draw back the slide (4) slightly to disengage the slide stop (18) . Hold the slide firmly and allow it to glide forward gently .

Now slip the complete system comprising slide (4) , barrel (1) , recoil spring (3) and guide (2) forward and off the frame(15) .

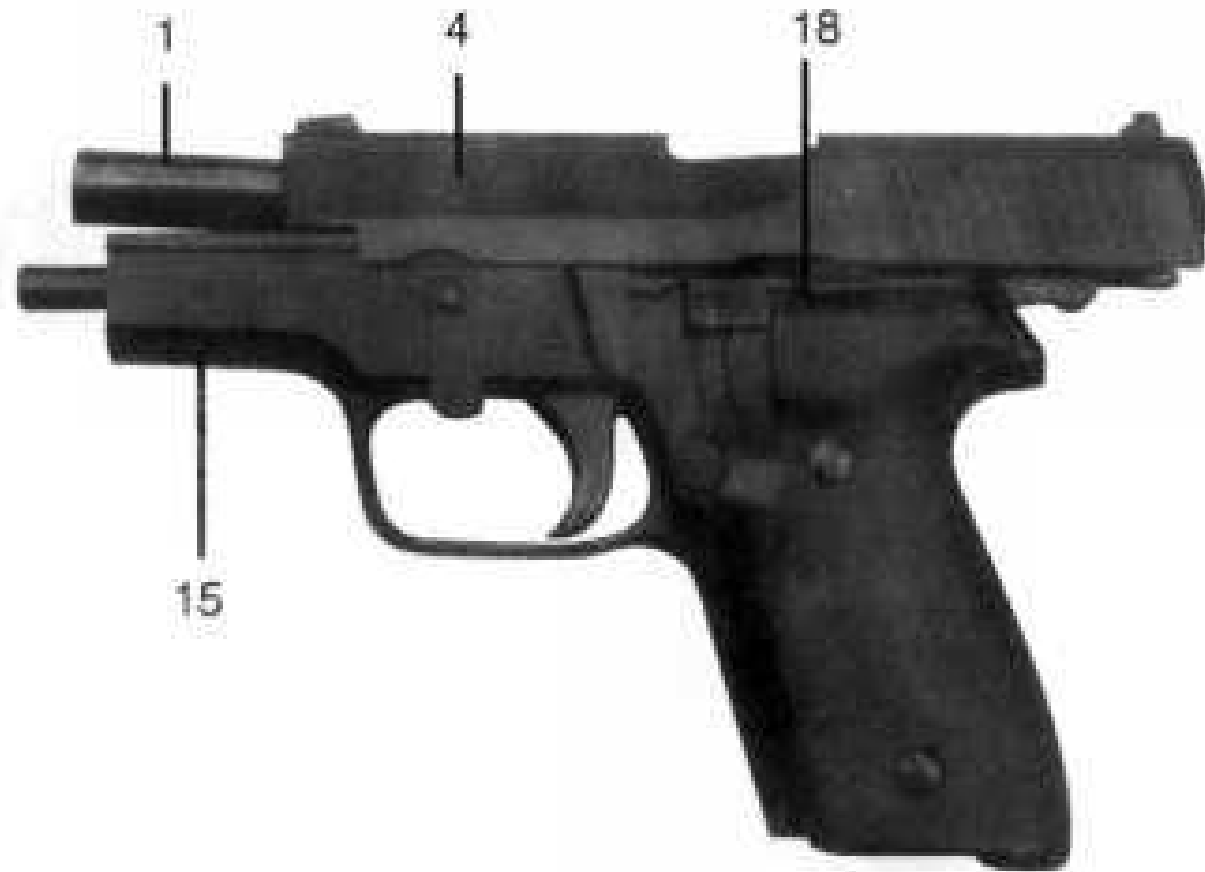


Fig.7

Fig. 8

Remove the recoil spring (3) and guide (2), taking care to control the release of spring tension while directing the assembly away from the body. (Fig. 8)

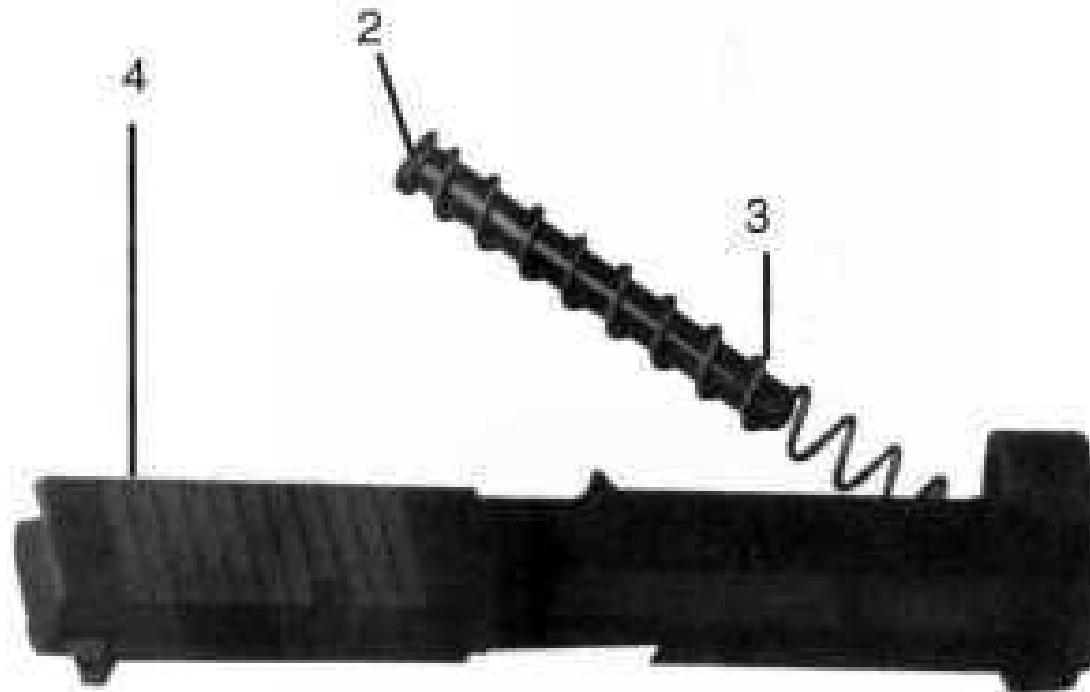


Fig.8

Fig. 9

Remove the barrel(1) from the slide (4).

The field stripping is shown in Fig. 10.

(2)The assembling is shown in Fig. 10 and done in the reverse order of field stripping

Insert the barrel (1) into the slide (4), fit the recoil spring (3) and guide (2). During spring compression, direct the assembly away from your body. Slip the assembled slide system onto the frame(15) until it contacts the end stop, and arrest it with the slide stop(18) . Thumb up the take - down lever (16) counterclockwise to 90 degree in order to close the slide (4) . Decock the hammer (29) with decocking lever (40) .

Insert the magazine (51).

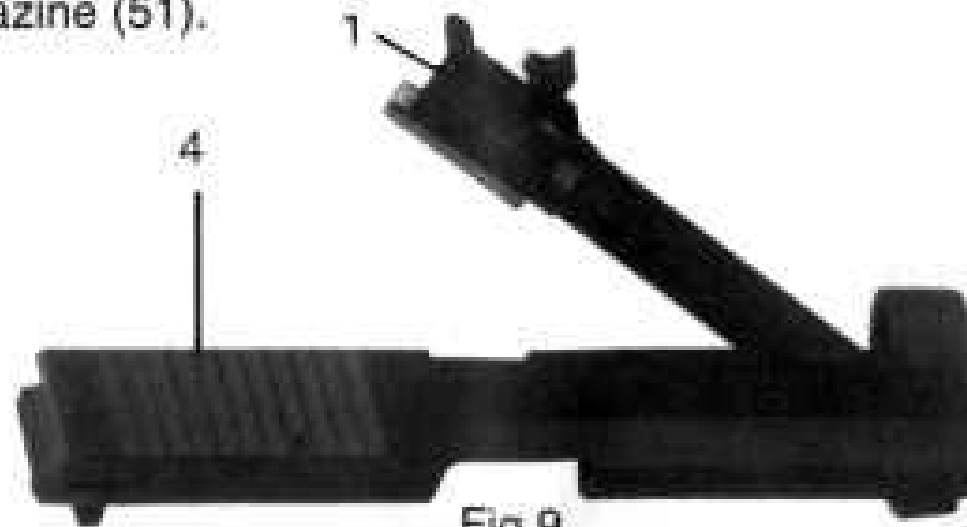


Fig.9



Fig.10

10. Care and Maintenance

Observing the following instructions carefully ensures that your NP34 pistol remains in excellent condition even after years of hard service.

Barrel and chamber:

After shooting, clean the barrel and the chamber with a quality cleaning solvent. Never clean the barrel from the muzzle and do not use steel brushes because they may damage the smooth barrel surface. Use a suitable cleaning rod and brush of the correct caliber. Wipe the interior and exterior of the barrel free of all residue. Lightly lubricate the interior and exterior of the barrel with a quality lubricant designed for firearms.

External metal surfaces:

After each use, wipe all metal surfaces with a piece of cloth soaked with a lubricant /preservative. This will remove any foreign material and act to preserve the finish of the pistol. Lightly lubricate the recoil spring (3) ,recoil spring guide(2) and frame rails before reassembling the pistol.

11.Parts legend (Fig. 11)

- | | | | |
|----|----------------------|----|--------------------------|
| 1 | Barrel | 29 | Hammer |
| 2 | Guide, recoil spring | 30 | Hammer strut pin |
| 3 | Recoil spring | 31 | Hammer pivot pin |
| 4 | Slide | 32 | Ejector |
| 5 | Front sight | 33 | Strut,hammer |
| 6 | Rear sight | 34 | Mainspring |
| 7 | Inner pin | 35 | Spring ,pin |
| 8 | Outer pin | 36 | Seal ,mainspring |
| 9 | Breechblock | 37 | Stop ,hammer |
| 10 | Extractor | 38 | Spring ,reset |
| 11 | Firing pin | 39 | Pin |
| 12 | Spring, firing pin | 40 | Decocking lever |
| 13 | Safety lock | 41 | Bearing ,decocking lever |
| 14 | Spring,safety lock | 42 | Spring ,decocking lever |
| 15 | Frame | 43 | Magazine catch |
| 16 | Take - down lever | 44 | Support plate |
| 17 | Locking insert | 45 | Spring ,magazine catch |
| 18 | Slide stop | 46 | Stop ,magazine catch |
| 19 | Spring,slide stop | 47 | Spring ,magazine stop |
| 20 | Trigger | 48 | Right grip plate |
| 21 | Pivot, trigger | 49 | Left grip plate |
| 22 | Trigger bar | 50 | Screw |
| 23 | Spring,trigger bar | 51 | magazine tube |
| 24 | Sear | 52 | Spring ,magazine |
| 25 | Spring,sear | 53 | Feeder |
| 26 | Shaft,sear | 54 | Floorplate ,magazine |
| 27 | Spring,pin | 55 | Insert ,magazine |
| 28 | Safety lever | | |

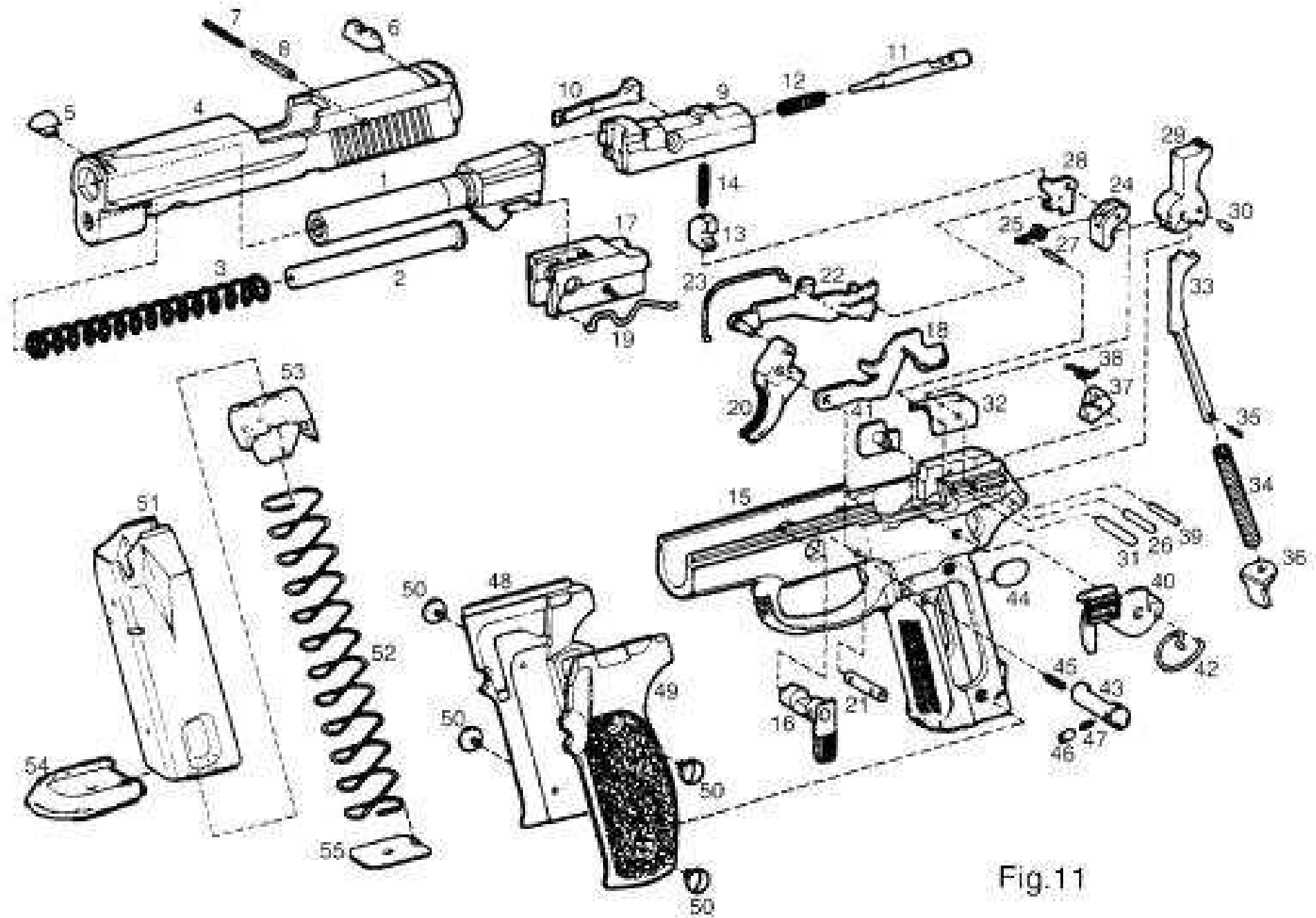


Fig.11



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