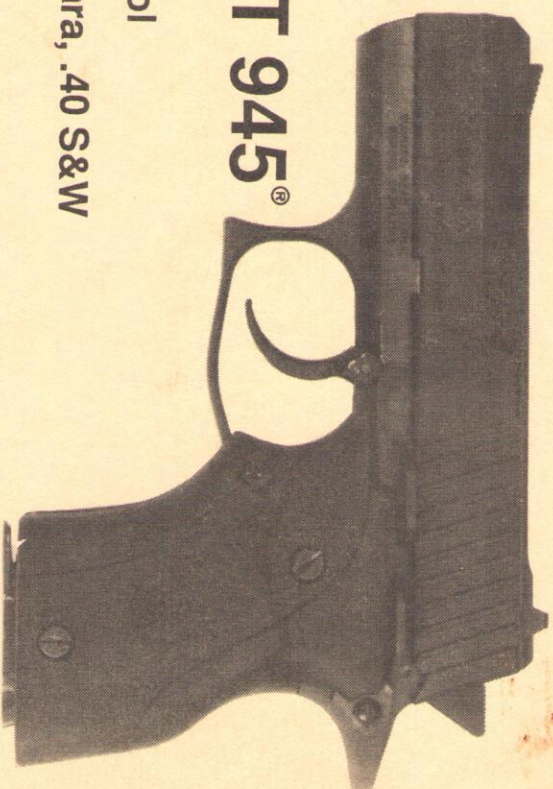


PRELIMINARY ISSUE

ISRAEL MILITARY INDUSTRIES LTD. (I.M.I.)



COMPACT 945[®]

Semi-Automatic
double action Pistol

.45 A.C.P., 9mm para, .40 S&W
and multicalibers

INSTRUCTION MANUAL

WARNING

ALL FIREARMS ARE DANGEROUS OBJECTS - PISTOLS INCLUDED.

ALWAYS CONSIDER THE PISTOL LOADED. TO RENDER IT SAFE, FIRST SET THE SAFETY ON THE "SAFE" POSITION AND REMOVE THE MAGAZINE. SET THE SAFETY ON THE "FIRE" POSITION. THEN EJECT ANY REMAINING ROUND BY PULLING THE SLIDE TO THE REAR, INSPECT THE CHAMBER TO MAKE SURE IT IS EMPTY.

IT IS DANGEROUS TO ALTER OR MODIFY THIS FIREARM IN ANY WAY. ANY ALTERATION OR MODIFICATIONS OF THE FIRING MECHANISM MAY RESULT IN THIS FIREARM BECOMING UNSAFE, AND WILL NULLIFY ALL WARRANTIES.

USER IS ADVISED TO READ THE ENTIRE MANUAL BEFORE HANDLING AND OPERATING THE PISTOL FOR THE FIRST TIME.

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PREFACE

Welcome to the proud family of COMPACT 945 owners. This instruction manual refers to the COMPACT pistol family in:

- .45 ACP/9 mm Para. multicaliber
- .45 ACP single caliber
- 9 mm Para. single caliber
- .40 S&W single caliber

or any other multicaliber combination of these calibers.

Care and handling are the same for all COMPACT 945 pistols.

CAUTION

Failure to heed the **warnings** in this booklet may result in serious injury to you or others, as well as damage to the firearm or other property.

Take note of the following **warnings** on gun handling before attempting to use the pistol:

- Always wear eye and ear protection when shooting.
- Always be sure the barrel is clear of obstructions.
- Carry only ammunition specifically intended for the gun you are using.
- Never use alcohol or drugs of any kind while using your firearm.
- Always check the chamber and magazine of any firearm before handling.
- Never load or carry a loaded gun until you are ready to use it.
- Watch your muzzle so that the other person does not have to.
- Keep guns and ammunition separate in locked storage.
- Don't shoot unless absolutely sure of your target and what is beyond it.

SAFETY PRECAUTIONS

- Make sure that the pistol is unloaded and in the "SAFE" position before:
 - Receiving or handling over a pistol.
 - Transporting a pistol.
 - Cleaning or servicing a pistol.
 - Immediately after firing, set the safety in the "SAFE" position, remove the magazine and make sure that the chamber is empty.
 - Make sure that the safety is in "SAFE" position (front end of the safety lever is up) when:
 - Inserting the magazine.
 - You have stopped firing.
 - The pistol is not in use.
 - When handling the pistol:
 - Never point it at anyone.
 - Always make sure that the barrel points in a safe direction.
 - Before firing the pistol:
 - Wear eye and ear protection.
 - Always be sure of your target backstop and what is beyond it.
 - Make sure that all parts and ammunition are of the same caliber and assembled correctly.
 - Always assume that the pistol is loaded.
 - Practice handling the pistol empty.
 - Never load a pistol until you are ready to use it.
- ATTENTION:**
Before firing the multicaliber pistol be sure you are using the right conversion kit. Check that the supporting plate (part 43 in the exploded view) is in the correct position.

GENERAL DESCRIPTION AND CHARACTERISTICS

- The COMPACT 945 by IMI is a semi-automatic, magazine-fed, double action pistol.
- The COMPACT 945 offers the convenience of firing .45 ACP, 9 mm Parabellum (Luger) and .40 S&W.
- The pistol is assembled from "common parts" and "conversion kits" – which include barrel, supporting plate, magazine and extractor.
- To change the multicaliber pistol from one caliber to another requires switching only three components: magazine, barrel and extractor, and rotating or changing the supporting plate to the chosen caliber position.
- The anatomically formed grip permits rapid, accurate, instinctive shooting. The combat style trigger guard is designed for two-handed shooting. The trigger guard also allows safe comfortable shooting when wearing gloves.



COMPACT 945, Right side, extended grip magazine



COMPACT 945, Left side, standart magazine

TECHNICAL DATA

Caliber *	.45 ACP	9x19 mm Para.
Weight: gr (oz.)		
Pistol w/o magazine	920 (32.5)	930 (32.8)
Magazine (empty)	65 (2.3)	65 (2.3)
Pistol with loaded magazine	1100 (38.8)	1100 (38.8)
Magazine Capacity	6	7
Rifling		
Number of grooves (L.H.)	6	6
Length of 1 turn mm (in)	406.4 (16)	254 (10)
Dimensions: mm (in)		
Length	177 (7.0)	
Height	120 (4.7)	
Width: grip	31 (1.2)	
safety	38 (1.5)	
Barrel length	92 (3.6)	
Trigger reach : D.A.	75 (2.95)	
S.A.	68 (2.67)	

Features

Multicaliber or single caliber

Operation

Semi-automatic, short barrel recoil.

Single or double action trigger pull.

Locking system

Lug-to-slot (lug on barrel to slot in slide)

Magazine Types

Flat base – standard

Extended grip – option

* Caliber .40 S&W - T.B.D.

OPERATING PRINCIPLES

Retraction

Before firing, the barrel is locked in position by a lug engaged in a slot in the slide assembly.

Upon firing the pistol, gas pressure propels the slide rearward. During this movement, both barrel and slide recoil together a short distance, then the barrel stops.

When the bullet has left the barrel, the empty cartridge case is extracted and ejected with the continuing movement of the slide to the rear.

At the same time, the slide pushes the hammer down into the cocked position, where it is retained by the sear.

The recoil spring is now compressed.

Forward movement

When the recoil spring expands, it drives the slide forward. During this movement, the slide strips a cartridge from the magazine and chambers it. The barrel locking lug again engages the slide slot and locks the cartridge in the chamber.

Continued firing

When the trigger is pulled, the sear releases the hammer which, in turn, hits the firing pin, thus firing the chambered cartridge. To continue firing release the trigger and pull it again until the magazine is empty.

After the last cartridge is fired and the empty case ejected, the slide is retained in its rear position by the slide catch. The slide catch is actuated by the magazine follower. The slide catch will release the slide when depressed by hand.

Safety features

The safety is located at the back of the frame on both sides. Moving the safety upwards (fig. 1) will engage the safety. In this position the hammer and slide cannot move and the trigger bar is depressed and cannot engage the hammer, thus neutralizing the trigger.

Due to the firing pin blocking mechanism, the pistol will not fire when accidentally dropped on its hammer or muzzle.

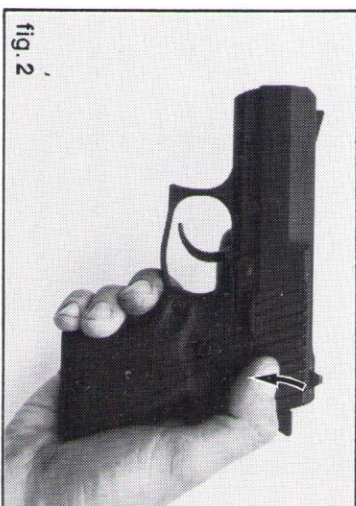
The pistol is equipped with a chamber-loaded indicator. (The indicator is located at the back of the slide above the firing pin).



OPERATING INSTRUCTIONS

Operating the pistol

1. Move the safety lever down to the "FIRE" position (fig. 2). A red dot will be visible.



2. Press the magazine release button on the left hand side of the pistol (fig. 3) and remove the magazine.
3. Draw the slide to the rear and check visually to ensure that the pistol is unloaded (fig. 4). Release the slide, check the indicator to be sure there is no round in the chamber.

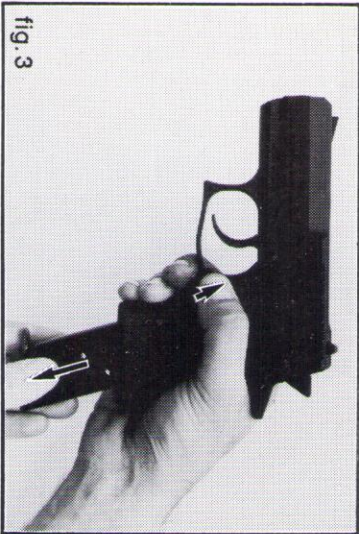


fig. 3

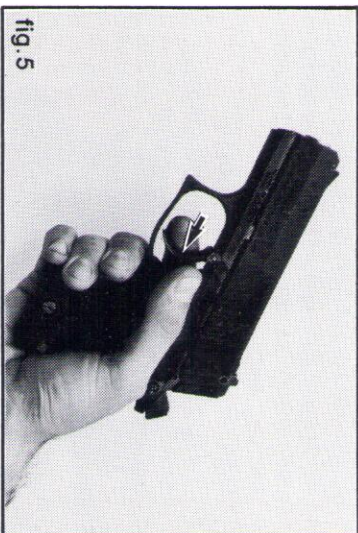


fig. 5

4. Point the pistol in a safe direction and pull the trigger (fig. 5). Pull the trigger again to check the double action mechanism.

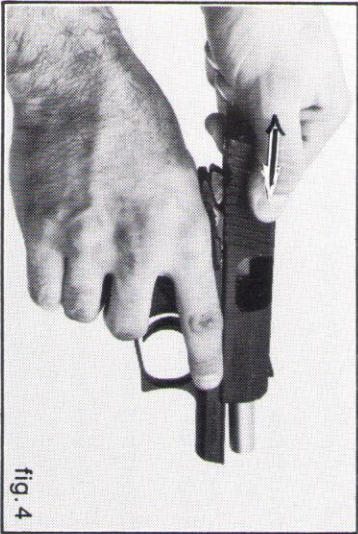


fig. 4

5. Move the safety up to the "SAFE" position.
Attention: Be sure to move the safety lever **all the way up**, not in an intermediate position. The red dot must not be visible.
6. Point the pistol in a safe direction and check that the trigger mechanism is neutralized.

Ammunition warning

- Use only original, high quality, commercially

- *manufactured ammunition in good condition.*
- *Use only ammunition of the caliber for which the pistol is chambered (The correct caliber is engraved on the right side of the barrel).*
- *Never use ammunition of any other caliber.*
- *Always use ammunition that complies with performance standards established by the Sporting Arms and Ammunition Manufacturers Institute Inc. (SAAMI).*
- *The use of handloaded, reloaded or other non-standard ammunition will void all warranties.*

Filling the magazine

1. With the magazine in an upright position, place a cartridge on the magazine follower, in front of the magazine lips.
 2. Press the cartridge down, slide it under the magazine lips and push the cartridge all the way to the rear of the magazine (fig. 6).
 3. Repeat the process until fully loaded.
- The number of cartridges in the magazine can be seen through the indicator holes in both sides of the magazine (fig. 6).
The magazine caliber is marked on its side.

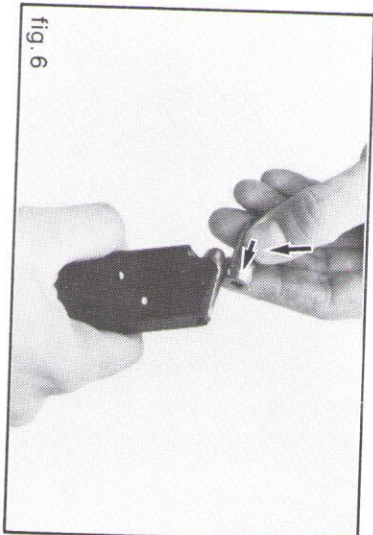


fig. 6

NOTE:

Do not attempt to overload the magazine.

CAUTION:

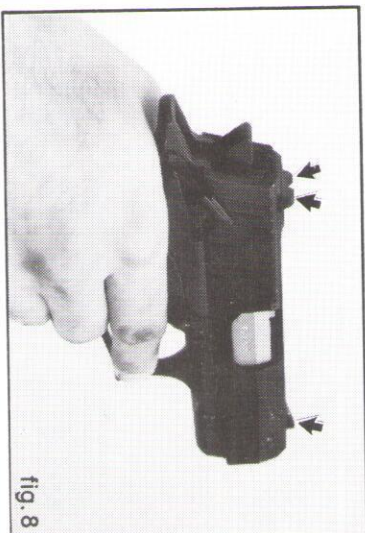
- **Damaged or bent magazine lips will cause malfunction.**
- **Do not force cartridges.**

Emptying the magazine

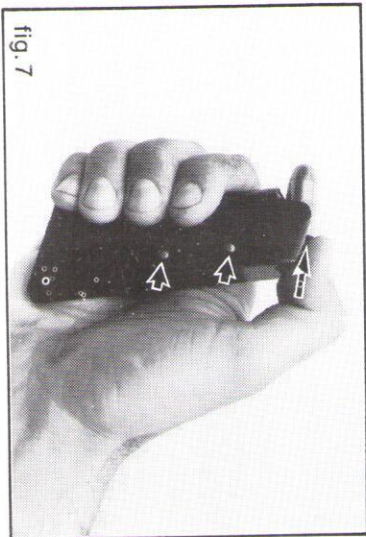
1. Use your thumb to push the cartridge forward, and out from under the magazine lips.
2. Repeat until the magazine is empty (fig. 7).

SIGHTS AND ZEROING

The combat style sights (fig. 8) square notch on the rear sight and front blade are designed for rapid, accurate aiming. The pistol is factory-zeroed at 15 meters.



Due to individual eyesight variations, the actual mean point of impact (m.p.i.) may vary. On combat style sights zeroing can be adjusted for windage only.



Adjusting the sights

1. Use a small hammer and brass punch to lightly tap the sight on its side (e.g. moving the rear sight to the left will move the point of impact to the left).
2. Such sight adjustments should only be performed by a competent gunsmith.

LOADING AND FIRING

Preloading and prefiring checks

1. Perform the safety checks listed in "OPERATING INSTRUCTIONS" (para. 1-4), to ensure that the pistol is not loaded.
2. Make sure that the barrel is clean and dry. (All factory packing grease should be removed from all surfaces before firing the pistol for the first time).
3. Check that the magazines are clean and properly loaded.
4. Check that barrel, extractor and bolt are for the same caliber. In multicaliber pistols make sure the supporting plate is in its correct position (The caliber is stamped on all these parts).
When assembling the bolt, insert the supporting plate in the proper position; the mark should appear in the right direction (upward) and the other mark will be upside down (fig. 9).
5. Always wear eye and ear protection when firing the pistol.

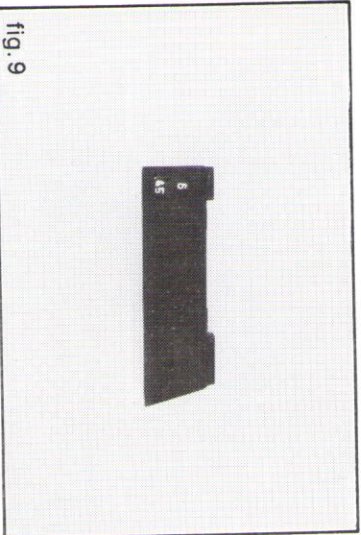


fig. 9

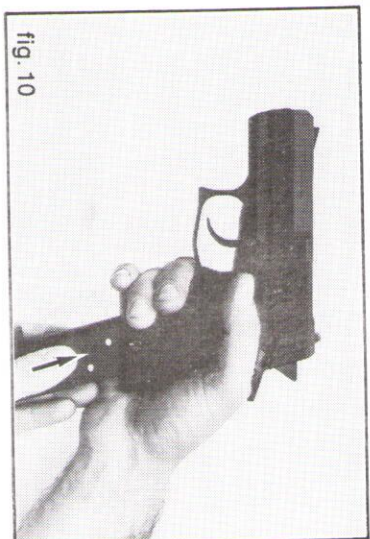


fig. 10

Cocking the pistol

1. Never chamber a round unless you are ready to fire.
2. Verify that the safety is in the "SAFE" position.
3. Insert the magazine into the pistol (fig. 10).
4. Move the safety to "FIRE" position.
5. To chamber a cartridge, pull the slide all the way back and release it (Fig. 11).
6. Move the safety to "SAFE" position.



fig. 11

WARNING:

- The pistol is now loaded - make sure that the barrel is pointed in a safe direction.
- Keep your trigger finger out of the trigger guard while cocking.

Firing the pistol

1. With the pistol pointed at the target, move the safety downward to the "FIRE" position.
2. Aim and pull the trigger.

Reloading during firing

The slide will remain in the rear position after the last cartridge is ejected and the magazine is empty (fig. 12).

1. Remove the empty magazine.
2. Insert a full magazine.
3. Release the slide by depressing the slide catch lever (fig. 13) or by pulling the slide to the rear and releasing it.

WARNING:

- The pistol is now loaded and cocked, with the safety in "FIRE" position.

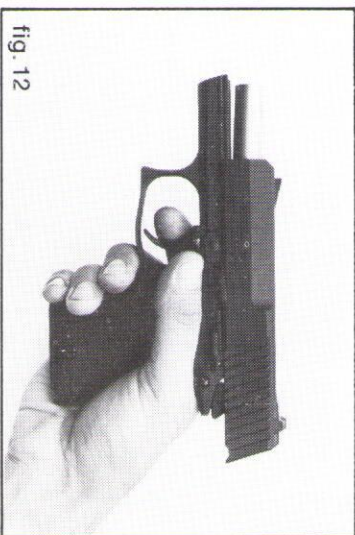


fig. 12

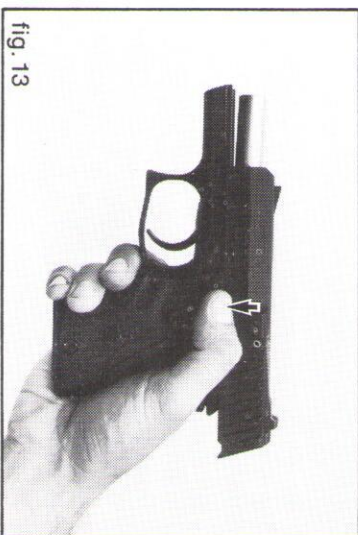


fig. 13

Obstruction Warning

1. Always clean all grease and oil from the chamber and the bore before loading.
 2. Be sure there is no obstruction in the barrel. A foreign object in the barrel could cause a burst barrel or other damage to the firearm, as well as serious injury to the shooter or to others.
 3. It is solely the user's responsibility to check the bore for obstructions before discharging the firearm.
 4. Always visually check the chamber and bore after a misfire or any odd sounding high or low report.
 5. Discontinue firing until the obstruction, full or partial, is cleared. "Warranty claims" resulting from an uncleared obstruction will not be covered by the warranty.
 6. Always wear shooting glasses.
3. Press the magazine release button and remove the magazine.
 4. Set the safety in the "FIRE" position.
 5. Pull the slide to the rear and eject any chambered cartridge.
 6. While the slide is in the rear position, visually check to make certain that the chamber is empty.
 7. Return the slide to the forward position. Check that the indicator does not protrude.
 8. Make sure that the pistol is pointed in a safe direction and release the hammer.
 9. Set the safety in "SAFE" position.
 10. Remove all cartridges from the magazine. (See "Loading and unloading the magazine").

Unloading the pistol

1. Point the pistol in a safe direction.
2. Set the safety in the "SAFE" position.

DISASSEMBLY AND ASSEMBLY

General

This section deals with those disassembly and assembly operations which should be carried out by the user as part of the routine maintenance of the pistol.

Disassembly or assembly of any other parts is not recommended and will void all warranties.

Disassembly should be performed on a clean surface. All the disassembled parts should be placed in the order of their removal.

CAUTION:

Carry out the following operations before disassembling:

- Remove the magazine (fig. 3).
- Draw the slide back several times (without pulling the trigger) to ensure that there is no cartridge in the chamber.
- Check the chamber visually to make sure that it is empty (fig. 4).

Disassembling the pistol

1. Make sure the pistol is unloaded.
2. Manually move the hammer to the cocked position.
3. Push the slide slightly to the rear and hold the slide in this position.
4. Use a coin (a quarter) or a screwdriver as a lever (fig. 14) to extract the slide catch from the frame (fig. 15).

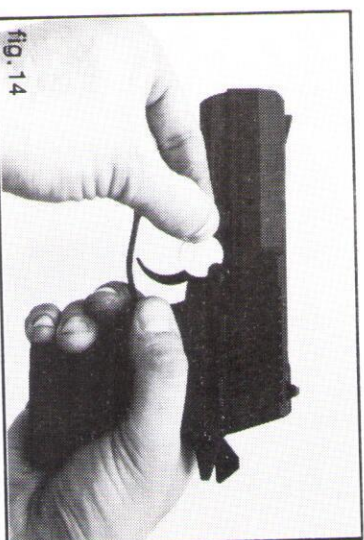


fig. 14

5. Remove the slide catch (fig. 16).
6. Pull the slide from the frame (fig. 17).

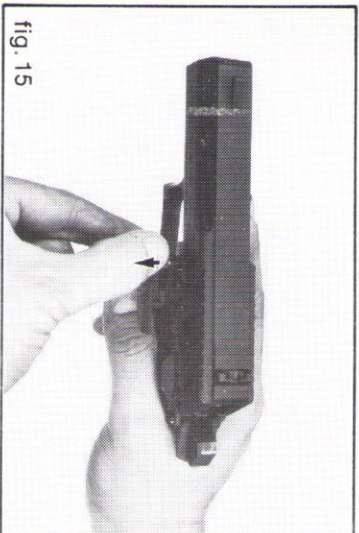


fig. 15



fig. 17

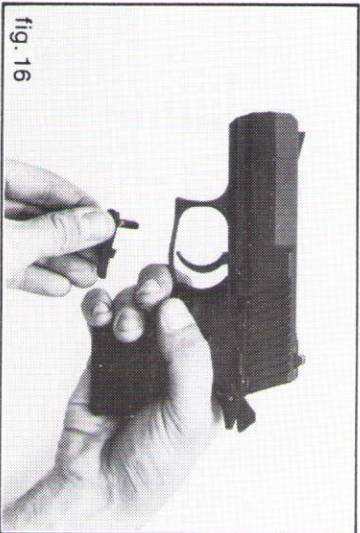


fig. 16

7. Carefully remove the recoil spring with the recoil spring guide from its housing under the barrel (fig. 18). Make sure that it won't jump out.
8. Lift and push the barrel forward.
9. Holding the fore-end of the slide assembly in one hand, use the palm of your other hand to tap the bolt out of the slide slots in the slide (fig. 19).
10. Pull the bolt out (rearward) from the slide (fig. 20).
11. Slide the barrel out (rearward) from the slide (fig. 21).

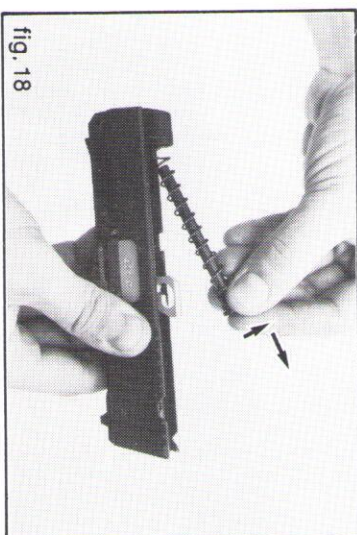


fig. 18

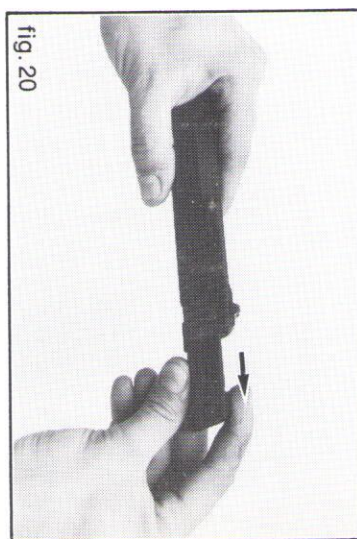


fig. 20

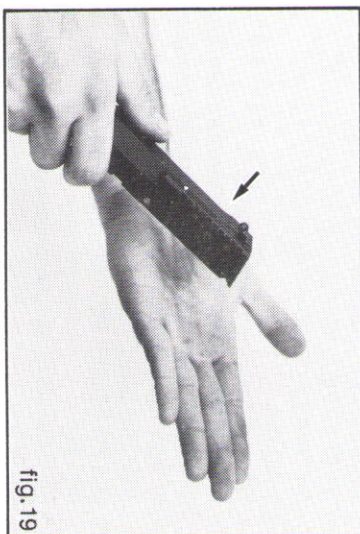


fig. 19

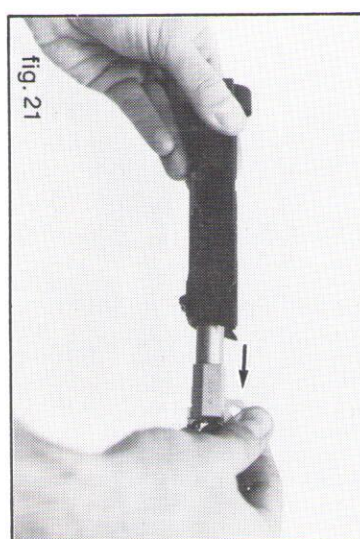


fig. 21

NOTE:

When removing the bolt from a multicaliber pistol, the supporting plate may fall out. It is advisable to disassemble and clean the indicator occasionally.

Disassembling the indicator

(See exploded view parts no. 3, 4, 5)

1. Use a pin or a small punch to push the indicator back from the bolt face.
2. Pull the indicator up while holding the pin so that the indicator plunger does not fly out.
3. Remove the indicator from the bolt.
4. Remove the indicator spring.

Assembling the pistol

Assembly is carried out in reverse order.

1. Slide the barrel into the slide, until it stops in its slot (locked position).
2. Insert the bolt assembly in the slide.
3. In the multicaliber pistol, make sure that the barrel and the extractor are for the same caliber, and that the supporting plate is inserted correctly.

The caliber mark should appear on the right side (upward) and the other mark will be upside down (fig. 9).

4. Push the bolt into the slide slots until it can move no further, then push it **up** (against the upper part of the slide).
5. Fit the recoil spring on to its guide, making sure it will not fly off accidentally, and insert between the slide and the bottom lug of the barrel (fig. 22), verify that the spring guide sits precisely above the barrel center line.
6. Mount the slide on the frame, check that the firing pin block lever (part No. 9 in the

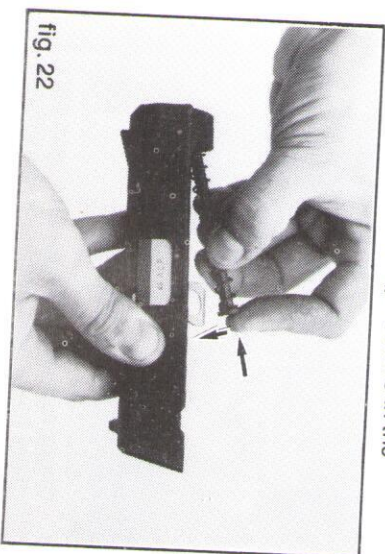


fig. 22

exploded view) does not protrude from the frame and push the slide rearward, until it is in place.

7. Insert the slide catch, start holding it 90° to its normal position (pointing down) so the cut on its end will slide under its spring in the frame (Figs. 23, 24), then rotate it 90° counter clockwise and while holding the slide slightly backwards push the slide catch into the frame hole until it snaps into place.

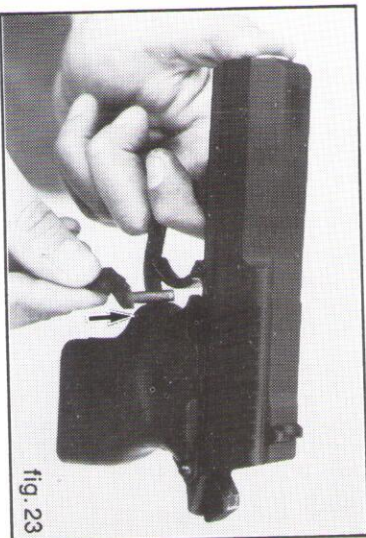


fig. 23

8. Check correct pistol operation by cocking it.
9. Check trigger and hammer operation and

22

verify that the safety is functioning properly and safely.

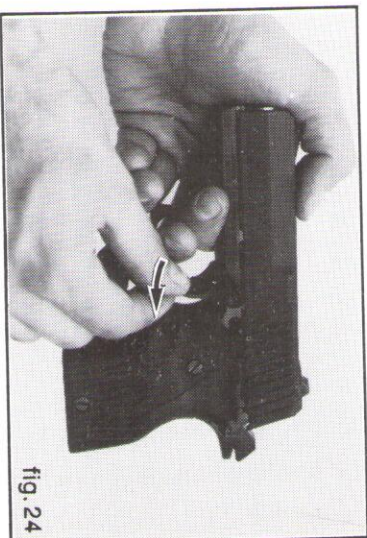
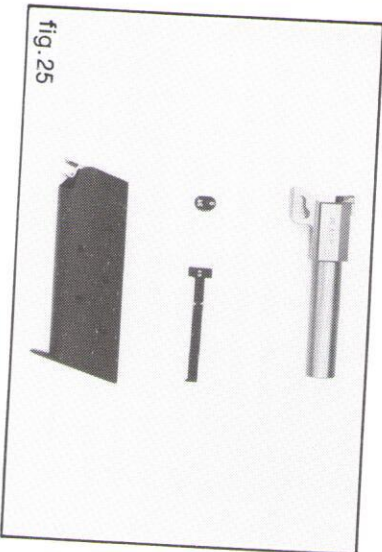


fig. 24

Changing from one caliber to another (Refers to multicaliber Pistol only)

Changing the pistol from one caliber to another requires switching only three components – the barrel, the extractor and the magazine – and rotating or changing the supporting plate (fig.25).

1. Make sure that the pistol is empty and unloaded and disassemble it.
2. Change the barrel.



3. Rotate the supporting plate to the required caliber. When assembling the bolt, insert the supporting plate in the proper position; the required caliber mark should appear on the right direction (upward) and other mark will be upside down.
4. Change the extractor.
5. Assemble the pistol as described above.
6. Change the magazine.

CARE AND CLEANING

General

Thorough knowledge of handling and servicing a pistol is essential.

Experience has shown that most failures while operating a pistol are due to negligent maintenance. Special attention must be paid to cleaning, lubricating and inspecting the pistol. This will determine whether or not the pistol functions properly when you need it.

To maintain accuracy, the barrel must be serviced thoroughly and regularly. The slide and other movable parts of the pistol must be kept clean and lightly lubricated to ensure proper operation. Care and cleaning includes the magazine, which must be kept free of rust, grit, etc., in order to function properly.

Cleaning the pistol

1. Upon receiving the pistol, disassemble and inspect it (see "Disassembly and assembly").
2. Clean the pistol regularly to ensure it function properly when needed.

3. For the initial cleaning, make certain that any heavy or sticky deposits of protective material are removed. To remove the coating, use a very light rust-preventive oil.
4. When cleaning the slide, pay particular attention to the locking slot, making certain that all powder residue is removed. A small brush, swabs and solvents should be used to remove dirt from hard to reach areas.
5. When cleaning the bolt, pay particular attention to the area around the firing pin, extractor and supporting plate (fig. 26) making certain that all powder residue is

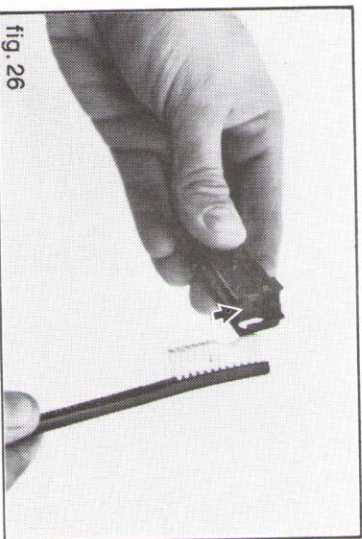


fig. 26

- removed.
6. From time to time, disassemble the indicator and clean its spring and housing.
7. Use a brass wire brush to clean the barrel. Run the brush completely through the chamber and bore until it protrudes from the other end of the barrel.
8. Pull the brush in the opposite direction and remove it from the barrel (fig. 27). Repeat this operation several times.

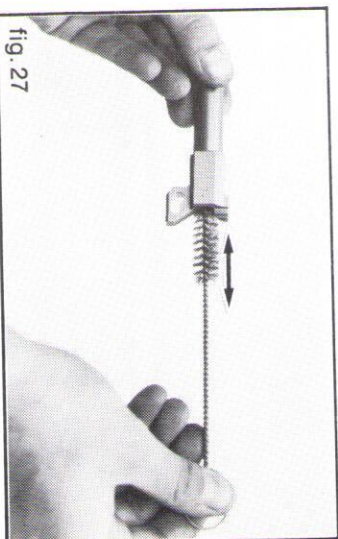
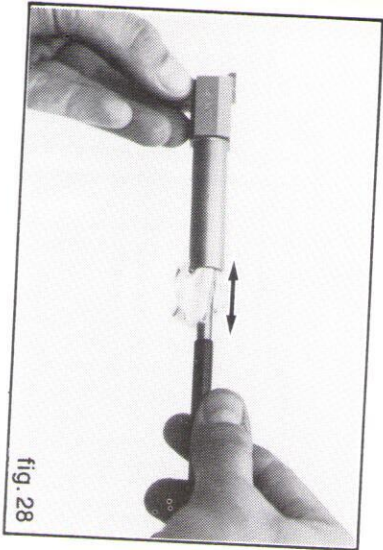


fig. 27

9. Use a patch moistened with powder solvent and clean the bore (fig. 28). Repeat this operation using clean, dry patches.



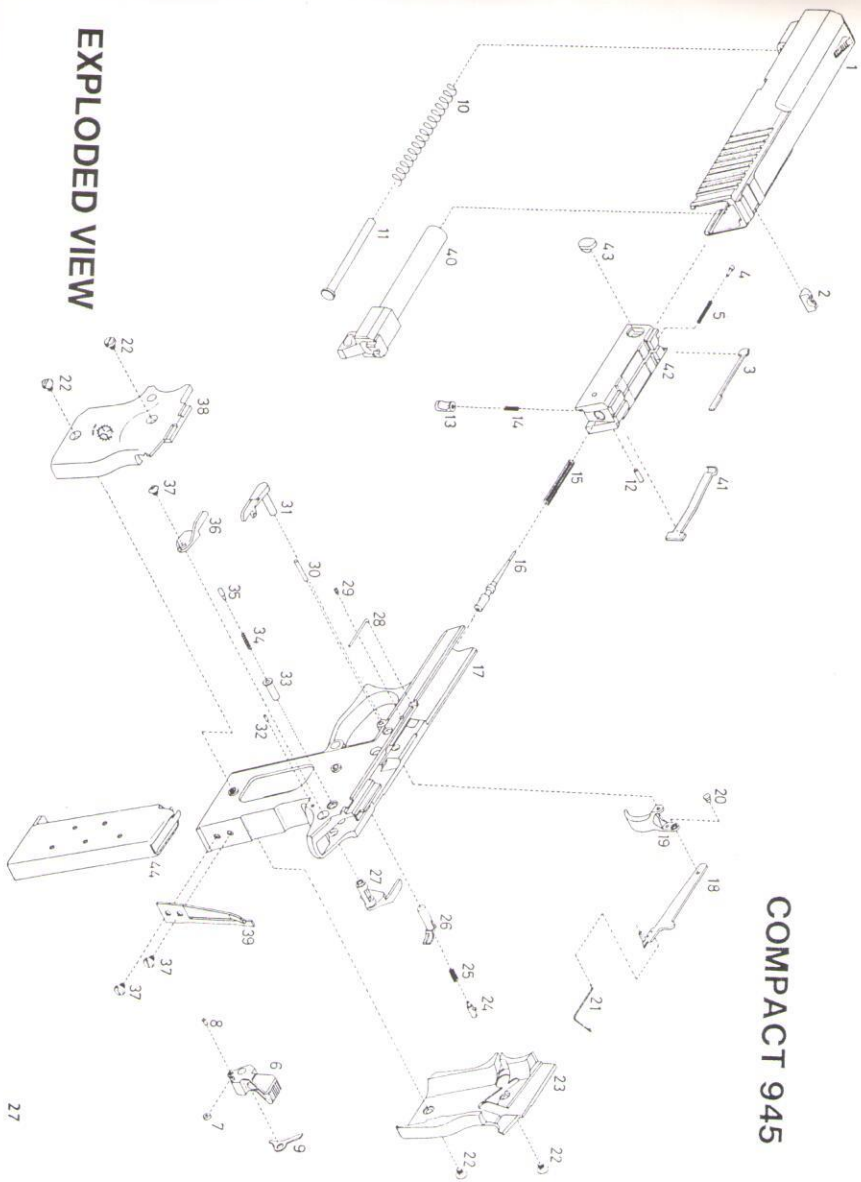
10. Lubricate the chamber, bore and all moving parts of the pistol with a lightly oiled patch/cloth, use a fresh dry patch to remove all excess oil.
11. While cleaning, inspect all parts for wear and damage. Make sure all surfaces are free of rust.
12. Assemble the pistol and make sure it functions properly.
13. Never use abrasive or metallic objects, synthetic cloth, dry-cleaning fluids, detergents, acids, lyes, water or steam for cleaning.

PARTS LIST (Common Parts)

No.	Description	Cat. No.
1	Slide	00.652.1501
2	Rear sight	00.652.1502
3	Indicator	00.652.1408
4	Plunger, indicator	00.652.1409
5	Spring, indicator	00.652.1411
6	Hammer	00.652.1171
7	Wheel	00.652.1172
8	Axle	00.652.1173
9	Lever, firing pin block	00.652.1015
10	Recoil spring	00.652.1604
11	Guide, recoil spring	00.652.1351
12	Pin, firing pin	00.652.1403
13	Firing pin block	00.652.1404
14	Spring, firing pin block	00.652.1405
15	Spring, firing pin	00.652.1407
16	Firing pin	00.652.1406
17	Frame	00.652.1101
18	Trigger bar	00.652.1151
19	Trigger	00.652.1152

No.	Description	Cat. No.
20	Trigger bar rivet	00.652.1153
21	Spring, trigger bar	00.652.1004
22	Screw	00.652.1001
23	Right grip	00.652.1003
24	Plunger, magazine catch	00.652.1105
25	Spring, magazine catch	00.652.1103
26	Magazine catch	00.652.1102
27	Safety	00.652.1014
28	Spring, slide catch	00.652.1017
29	Pin, slide stop	00.652.1018
30.	Axle, trigger	00.652.1016
31	Slide catch	00.652.1190
32	Pin	00.652.1005
33	Axle, hammer	00.652.1013
34	Spring, safety plunger	00.652.1012
35	Plunger, safety	00.652.1011
36	Left safety lever	00.652.1008
37	Screw	00.652.1007
38	Left grip	00.652.1002
39	Hammer spring	00.652.1006

COMPACT 945



EXPLODED VIEW

CONVERSION KITS

Single Caliber Pistol

No.	Description	Pistol Cat. No. (single caliber)		
		00.652.0000	00.653.0000	00.656.0000
		.45 ACP	9 x 19	.40 S&W
40	Barrel	00.652.1601	00.653.1601	00.656.1601
41	Extractor	00.652.1602	00.653.1602	00.656.1602
42	Bolt	00.652.1401	00.653.1401	00.656.1401
44	Magazine	00.652.1700	00.653.1700	00.656.1700

Multicaliber Pistol

The multicaliber pistols include all the "common parts" (see - parts list) and "conversion kit", with the following reservations:

1. The bolt (00.654.1401) is common to all calibers.
2. Barrels, extractors and magazines that fit the multicaliber pistol calibers (see "conversion kits").

3. The supporting plate (part No. 43) fits two calibers as follows:

- * **.45 ACP/9 mm pistol (00.654.0945)**
supporting plate - 00.654.0002
- * **9 mm/.40 S&W pistol (00.654.0940)**
supporting plate - 00.654.0001
- * **.45 ACP/.40 S&W pistol (00.654.0945)**
supporting plate - 00.654.0003

WARNING

ALL FIREARMS ARE DANGEROUS OBJECTS - PISTOLS INCLUDED.

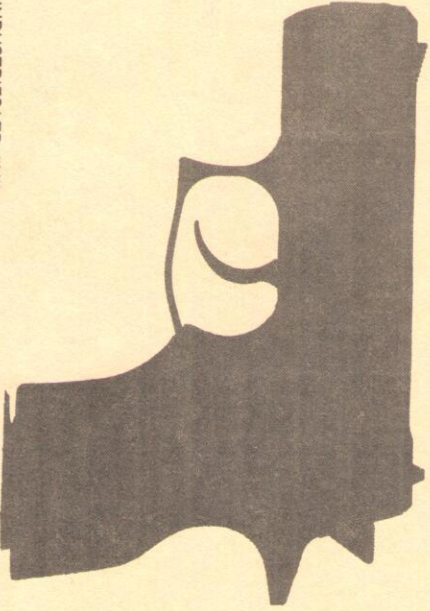
ALWAYS CONSIDER THE PISTOL LOADED. TO RENDER IT SAFE, FIRST SET THE SAFETY ON THE "SAFE" POSITION AND REMOVE THE MAGAZINE. SET THE SAFETY ON THE "FIRE" POSITION. THEN EJECT ANY REMAINING ROUND BY PULLING THE SLIDE TO THE REAR, INSPECT THE CHAMBER TO MAKE SURE IT IS EMPTY.

IT IS DANGEROUS TO ALTER OR MODIFY THIS FIREARM IN ANY WAY. ANY ALTERATION OR MODIFICATIONS OF THE FIRING MECHANISM MAY RESULT IN THIS FIREARM BECOMING UNSAFE, AND WILL NULLIFY ALL WARRANTIES.

USER IS ADVISED TO READ THE ENTIRE MANUAL BEFORE HANDLING AND OPERATING THE PISTOL FOR THE FIRST TIME.

LIMITATIONS OF LIABILITY

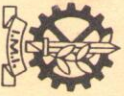
The liability of IMI Ltd. for any and all losses and/or damage to the purchase shall in no event exceed the purchase price of the pistol. In no event shall IMI Ltd. be liable for incidental or consequential damage.



ISRAEL MILITARY INDUSTRIES LTD. (IMI)
reserves the right to make such alterations
in design, dimensions, specifications and
manufacture as are deemed necessary to
ensure continued improvement.

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