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## TM-10-94

# Semi-Automatic Pistol Evaluation

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Training Academy  
Regina, Saskatchewan

TECHNICAL MEMORANDUM

Submitted by  
Canadian Police Research Centre

**May, 1994**

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This study was designed by the Armourer, Royal Canadian Mounted Police, Regina, Saskatchewan to provide information that could be useful to those involved with the selection of firearms for police use. The report is a compilation of the individual responses provided by those members of the police community who participated in the study and does not attempt to draw any conclusions.

Cette étude a été préparée par l'armurier de la Gendarmerie Royale du Canada, à Regina en Saskatchewan, afin de fournir de l'information qui pourrait être utile à ceux qui sont impliqués dans la sélection des armes à feu qui seront utilisées dans le futur par les policiers. Le rapport est une compilation des réponses individuelles fournies par les membres de la communauté policière qui ont participé à l'étude et ne tire aucune conclusion.

## **Executive Summary**

The RCMP Armourer Section in Regina has recently completed an evaluation of semi-automatic pistols with the assistance of numerous police services, firearms distributors, and ammunition manufacturers. The evaluation involved the testing of 62 pistols from 7 manufacturers in two calibers: 9 x 19 mm and .40 S&W. Testing and evaluations were carried out at four different locations under controlled conditions.

Aspects taken into consideration included:

Appropriate ammunition, magazine capacity, magazine charger, double action only with no external safety, ergonomics, a compatible compact model, safety (magazine disconnect), sights, lead pollution, warranty, preventative maintenance, course qualifications, and packaging or secure storage.

The report includes the subjective assessment and comments provided by each of the approximately 253 individuals who participated.

## **Sommaire**

La Section de l'armurerie de la GRC à Regina vient de terminer une évaluation de pistolets semi-automatiques avec l'aide de plusieurs services de police, distributeurs d'armes à feu et fabricants de munitions. En tout, 62 pistolets de sept fabricants et de deux calibres - 9 x 19 mm et .40 S&W - ont été évalués. Les évaluations se sont déroulées à quatre endroits différents, sous des conditions préétablies.

La formulation des conclusions repose sur l'évaluation des éléments suivants :

Munitions, capacité du chargeur, garnisseur, double action sans cran de sécurité externe, ergonomie, modèle compatible compact, sécurité (séparateurs), mires, pollution par le plomb, garantie, entretien préventif, qualifications et emballage ou rangement sécuritaire.

Le rapport comprend une évaluation subjective ainsi que des commentaires individuels fournis par chacun des quelques 253 participants.

# SEMI-AUTOMATIC PISTOL EVALUATION

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# ÉVALUATION DES SPISTOLES SEMI-AUTOMATIQUES

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**Section I - Heckler & Koch**

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**Annexe «A» à «L»**

## **FOREWORD**

This project was a massive undertaking in means of time, effort and resources. A total of 62 pistols in two calibers were evaluated. One thousand, one hundred and two evaluations were carried out by a total of 253 separate evaluators (see Appendix “A”). Seventeen police services took part with a total of 203,500 rounds of ammunition fired.

Testing and evaluations were carried out at four different locations and were controlled and monitored by a member of the Armourer Section staff. Testing at the Fredericton Police Service Range in Fredericton, New Brunswick, was coordinated by Armourer Technician, C/M R. Edwards; testing in Quebec City was carried out at L'Institut de tir de l'est du Quebec and was coordinated by Sgt. N. Fradet, Armourer; at the Ontario Police College, the testing was coordinated by Armourer Les Burden. All other testing was carried out at the R.C.M.P. Training Academy range complex in Regina, Saskatchewan.

## **AVANT-PROPOS**

Ce projet fut une entreprise majeure en temps, en effort et en ressources. Soixante-deux pistolets de deux calibres différents furent évalués. Mille cent deux évaluations individuelles ont été complétées par 253 évaluateurs (voir l'Annexe “A”). Dix-sept services policiers ont participé à cette évaluation avec un totale de 203.500 balles tirées.

Les évaluations et testes ont eu lieu à quatre endroits différents et tous furent contrôlés et surveillés par un membre du personnel de l'Armurerie. Les évaluations qui ont eu lieu au champ de tir du Service de police de Fredericton à Fredericton au Nouveau-Brunswick étaient coordonnées par le Technicien Armurier, membre-civile R. Edwards; à l'Institut de tir de l'est du Quebec, celles-ci furent coordonnées par le sergent N. Fradet, armurier; au College de la police de l'Ontario, l'armurier Les Burden a coordonne les évaluations. Toutes autres évaluations ont été faites au champ de tir de l'École de la G.R.C. à Regina en Saskatchewan.

## **ACKNOWLEDGEMENTS**

We would like to acknowledge the contribution of the following to the completion of this project:

- Lloyd Libke Police Sales
- Nicholls Distributors Inc.
- Centaure Industries Ltd.
- Federal Cartridge Co.
- ▶ Smith & Wesson
- ▶ Glock Inc.
- ▶ IMI Weapon Division (Samson Ammunition Division)
- ▶ Beretta U.S.A. Corporation
- ▶ Dartmouth City Police Department
- ▶ North Sydney Police Department
- ▶ Westville Police Department
- ▶ Glace Bay Police Department
- ▶ New Glasgow Police Department
- ▶ Fredericton Police Service
- ▶ Ontario Provincial Police
- ▶ Ontario Police College
- ▶ Service de la Protection Publique de Charlesbourg
- ▶ Regie Intermunicipale de Police de la Haute-Sainte-Charles
- ▶ Service de Police de la Chaudière-Ouest
- ▶ Service de la Police de Quebec
- ▶ Ontario Law Enforcement Firearms Instructors Association

## **RECONNAISSANCES**

Nous aimerions remercier les agences suivantes pour leurs contribution à l'achèvement de ce projet.

- ▶ RCMP-GRC Sous-Division de Quebec
- ▶ L'Institut de tir de l'est du Quebec
- ▶ RCMP-GRC Fredericton Subdivision
- ▶ Estevan City Police
- ▶ Regina Police Service
- ▶ Saskatoon City Police
- ▶ Moose Jaw City Police
- ▶ Prince Albert City Police
- ▶ "F" Division, RCMP-GRC
- ▶ RCMP Training Academy / École de la G.R.C.
- ▶ Winchester Olin Ammunition
- ▶ 3-D Ammunition and Bullets
- ▶ Heckler and Koch
- ▶ SIGARMS
- ▶ Browning Arms
- ▶ Strum Ruger
- ▶ Remington Ammunition
- ▶ CCI Speer Ammunition
- ▶ RCMP Regina Firearms Section Forensic Lab
- Nova Scotia Department of Justice

## **PURPOSE**

The standard sidearm for Canadian Police for over 40 years has been the Smith and Wesson .38 Special revolver.

This report is not intended to debate the merits of conversion to a semi-automatic pistol. However, a review of the many reports by Canadian Police Services revealed the following:

1. There is a wide variety of semi-automatic pistols in many configurations from which to choose.
2. Calibre selection has been narrowed to 9 x 19 MM and .40 Smith and Wesson.
3. Police Services have well thought-out test methodology, but lack the resources of time and money to purchase sufficient ammunition to complete a meaningful evaluation.

## **BUT**

Pour plus de quarante années, l'arme standard de la police canadienne a été le revolver Smith et Wesson, 38 Spécial.

L'intention de ce rapport n'est pas de disputer les mérites d'une conversion au pistolet semi-automatique. Cependant, une revision des nombreux rapports de services de police canadiens a révélée ce qui suit:

1. Il existe une grande variété de pistolets semi-automatiques en nombreuses configurations parmi laquelle choisir.
2. La selection du calibre a été réduite au 9 x 19 mm. et au .40 Smith et Wesson.
3. Les services de police ont une bonne méthodologie d'évaluation, par contre, ils n'ont pas le temps ni l'argent nécessaire pour acheter suffisamment de munitions permettant une evaluation significative.

It became apparent that the rush was on to re-arm the Canadian Police. and in this rush, there has been a great deal of duplication of effort on the part of many agencies.

This report provides all the data required to make the selection of a pistol based on the criteria set out by the individual police services. As an example, the criteria may change with the duty requirement. A tactical pistol for an Emergency Response Team may be different from the pistol issued for general duty use.

No recommendations are being made; rather this is a data base of information on the most popular pistols considered suitable for police use.

We hope that the manufacturers will take advantage of the results of this research to improve their products and give it consideration in the development of new products.

Il est devenu évident que la ruée pour ré-équiper la police canadienne était en marche, et dans cette ruée, il y a eu beaucoup de répétition d'effort de la part de plusieurs agences.

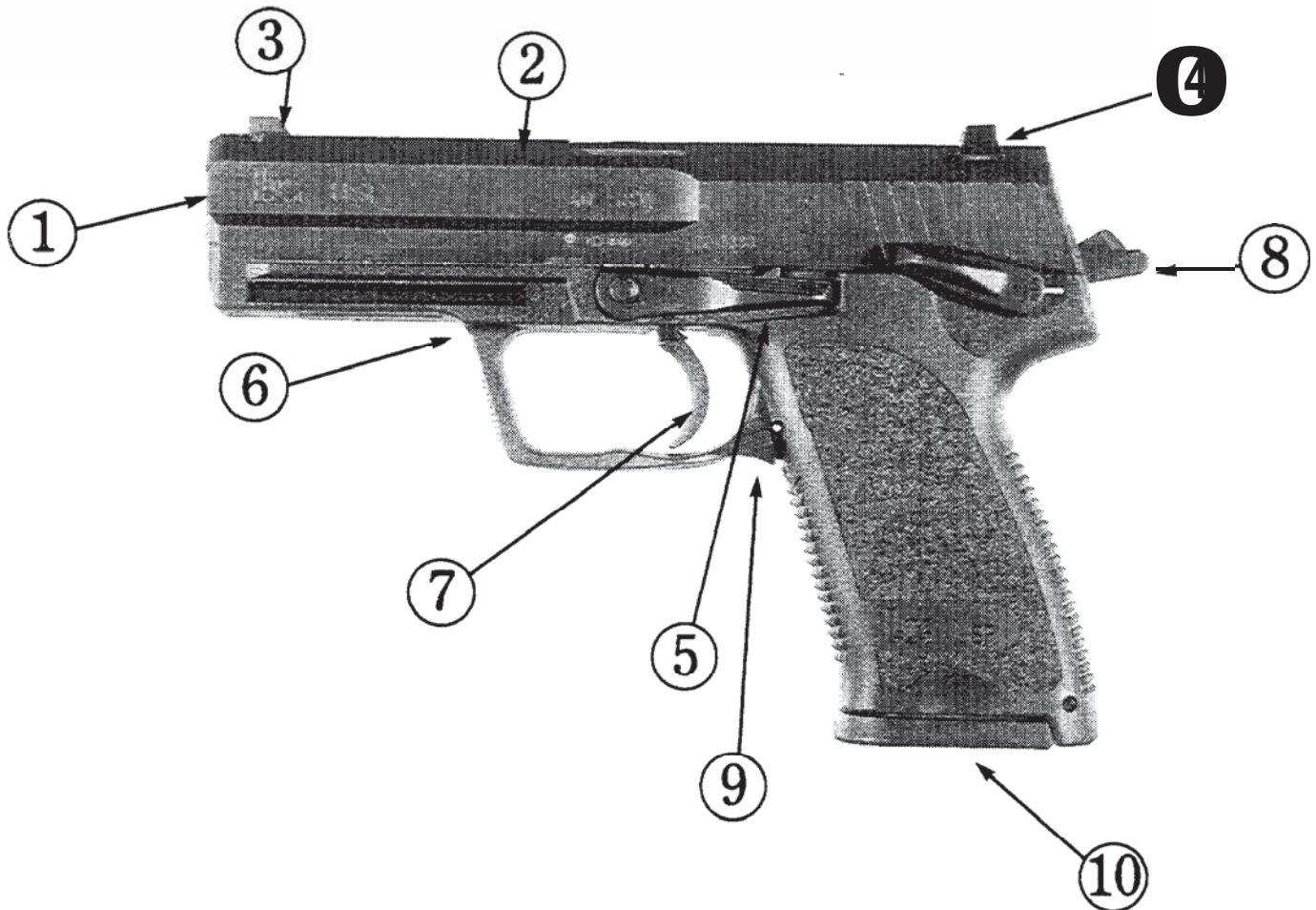
Ce rapport contient tous les données nécessaires afin de permettre une sélection d'un pistolet basé sur les critères identifiés par les services de police individuels. Par exemple, les critères peuvent changer avec le besoin d'un devoir en particulier. Le pistolet de service pour un Groupe tactique d'intervention pourrait être différent de celui pour le travail général,

Aucune recommandation n'est faite; ceci est plutôt une base de données vous informant des pistolets les plus populaires qui sont considérés convenables au travail de policier.

Nous espérons que les fabricants prendront avantage des résultats de cette recherche pour améliorer leurs produits, et les considéreront dans le développement de nouveaux produits.

GLOSSARY OF TERMS:

GLOSSAIRE DES TERMES:



- |   |   |
|---|---|
| 1. Barrel/Canon   | 6. Frame/carcasse                                   |
| 2. Slide/culasse  | 7. Trigger/détente                                  |
| 3. Rear sight/mire avant                                  | 8. Hammer/chien                                     |
| 4. Rear sight/mire arrière                                | 9. Magazine release button/<br>Arrêteur du chargeur |
| 5. Slide catch/slide release lever<br>Arrêteur de culasse | 10. Magazine/chargeur                               |

## **TYPES OF ACTIONS, SAFETIES AND COMBINATIONS**

### **1. TYPES OF ACTIONS**

#### **a) Single Action Only**

This type of pistol has the hammer cocked and locked while being carried. The safety must be levered off before firing. The trigger pull is between 4 and 5 lbs.. The hammer is cocked each time a shot is fired.

#### **b) Double Action Only**

The hammer is at rest while the pistol is being carried. All rounds fired are double action, meaning each trigger pull raises the hammer. The trigger pull is between 7 and 15 lbs., depending on the make and model. The hammer never stays cocked. This system works most like a double action revolver.

## **TYPES D' ACTIONS, CRANS DE SURETÉ ET LES COMBINAISONS**

### **1. TYPED 'ACTIONS**

#### **a) Simple action seulement**

Le chien de ce genre de pistolet est armé et secure lorsque l'arme est portée. Le cran de sûreté doit être enlevé avant de tirer. La detente est de 4 a 5 livres. Le chien est ré-armé à chaque coup.

#### **b) Double action seulement**

Le chien est au repos lorsque l'arme est portée Tous les coups sont a double action, c'est-a-dire la detente arme le chien à chaque coup. La detente est de 7 à 15 livres selon le manufacturier et le modèle. Le chien ne demeure jamais armé .  
**Ce système fonctionne comme un revolver à double action.**

c) **Double Action**

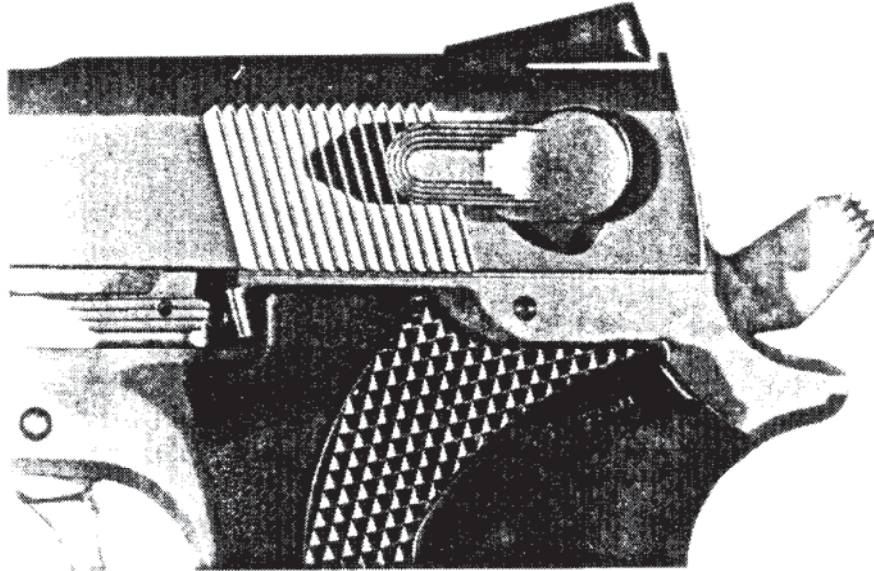
The hammer is at rest and the first round is fired double action? the second and all subsequent rounds are fired single action. This results in two distinct and different trigger pulls. This is a combination of the types of actions described in (a) and (b) above.

c) **Double action**

Le chien est en position de repos et le premier coup est tiré à double action, le deuxième et tous les coups ultérieurs sont tirés à simple action, résultant en deux tirs distinctifs de la détente. Ceci est une combinaison des actions décrites à (a) et (b) ci-haut.

**2. SAFETIES**

a) Manual slide-mounted  
decocking and safety lever.

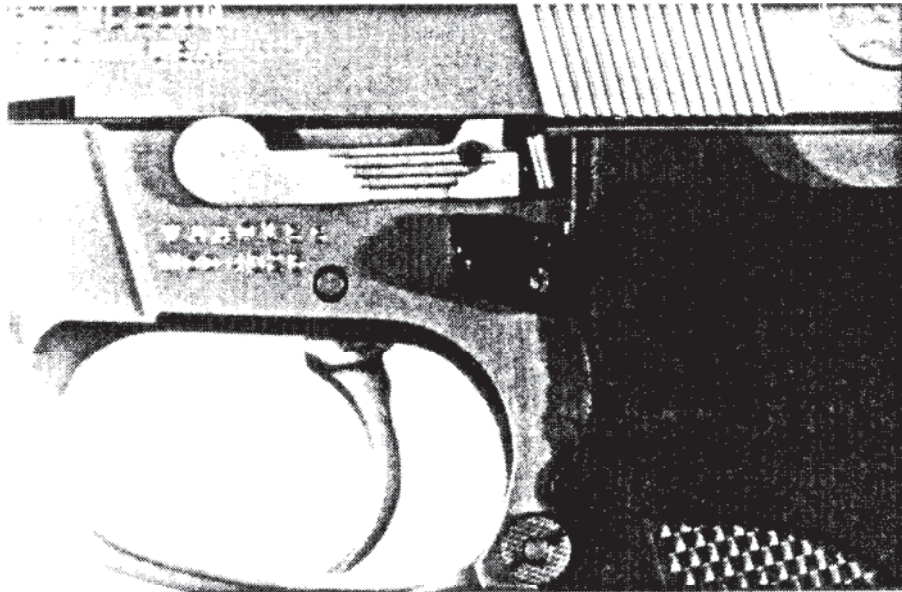


**2. CRANS DE SURETÉ**

a) Levier de désarmement et  
cran de sûreté montés sur la  
culasse.

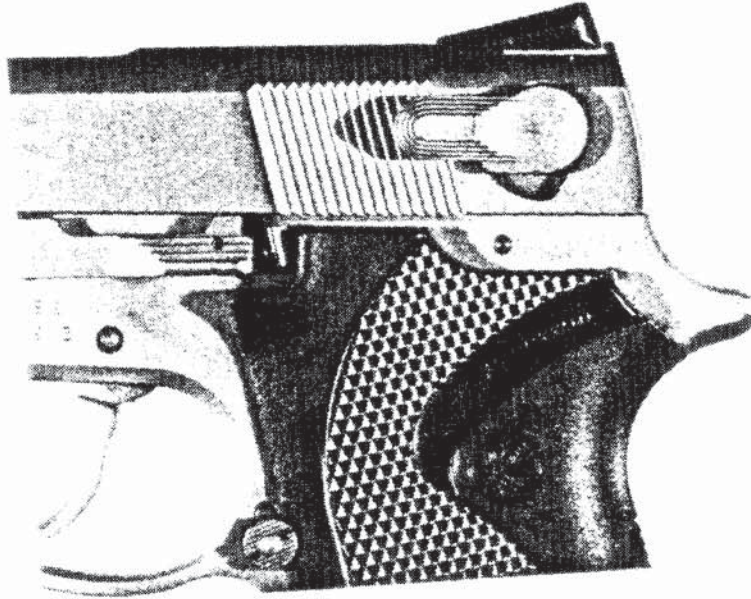
b) Frame-mounted  
decocking  
lever.

b) Levier de désarmement monté  
sur la carcasse.



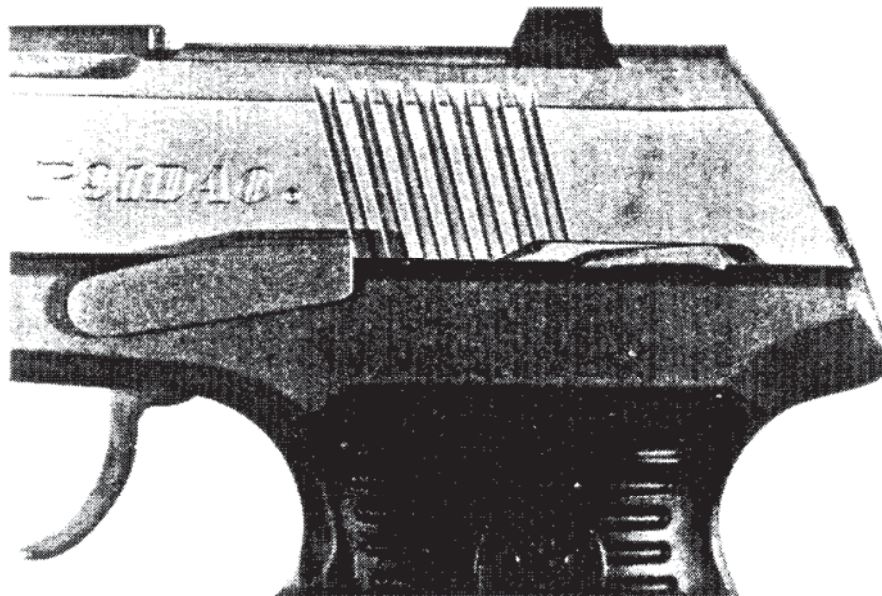
c) Manual slide-mounted decocking "only" lever. No external safety.

c) Levier de désarmement seulement" monté sur la culasse. Aucun cran de sûreté extérieur.



d) Double action only. NO  
external safety.

d) Double action seulement.  
Aucun cran de sûreté  
extérieur.

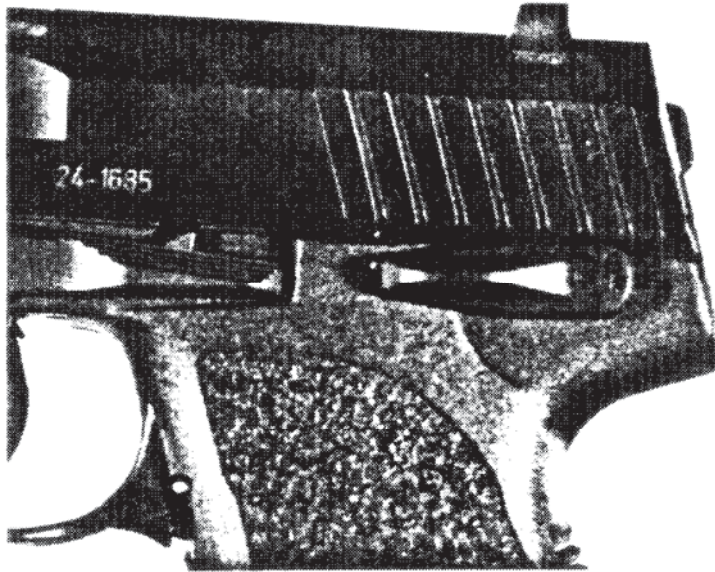


**NOTE:** The safety on this pistol is internal and blocks the striker (firing pin). The safety is disengaged only by pulling the trigger. The safety is engaged by taking your finger off the trigger.

**NOTA:** Le cran de sûreté de ce pistolet est interne et bloc le percuteur. Le cran de sûreté est désengagé seulement qu'en appuyant sur la détente, et engage en enlevant le doigt de la détente.

**e) Double action only with external safety.**

**e) Double action seulement, avec cran de sûreté extérieur.**



**f) Magazine disconnect safety.**

This feature is available only on some makes and models. When the magazine is removed, the pistol will not fire. There are pros and cons to this safety feature.

The primary advantage is that when the magazine has been removed the pistol is safe even if a cartridge has been left in

**f) Sécurité du chargeur**

Cette caractéristique est disponible seulement qu'avec certains fabricants et modèles. Quand le chargeur est enlevé l'arme ne tirera pas. Il y a des pour et des contre à cette caractéristique de sécurité.

L'avantage primaire est que l'arme est sûre lorsque le chargeur est enlevé même s'il reste une cartouche dans la

the chamber. This creates a safer environment when pistols are stored in locker room or central storage areas. Also, if an officer feels he/she is about to lose the pistol to an aggressor, the pistol can be made inoperable by dropping the magazine.

The disadvantage is a tactical one. A round is not able to be fired during a magazine change, or if the magazine is lost or dropped inadvertently.

The manufacturers that offer this safety feature also offer the pistol without the magazine disconnect so that the end user can decide for himself which configuration to choose.

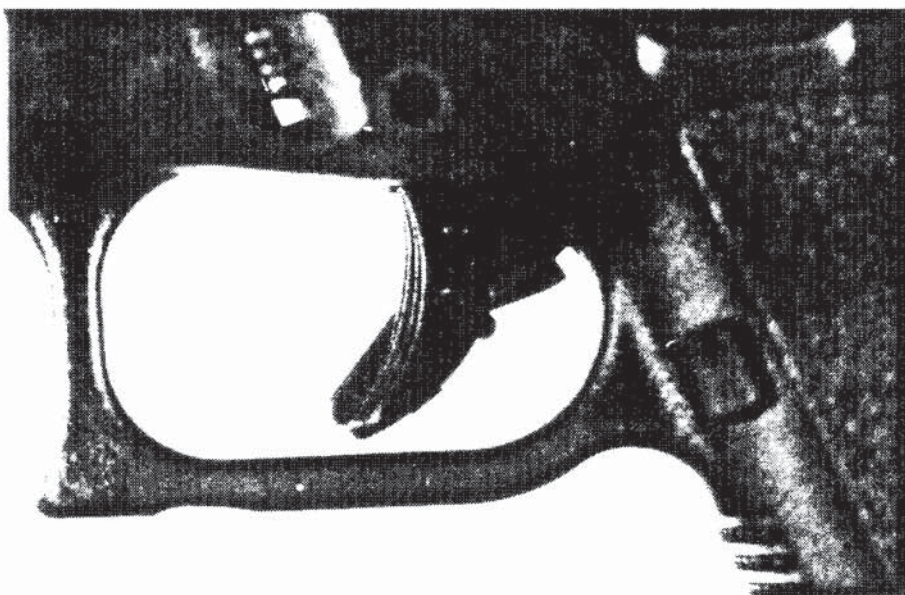
chambre. Ceci présente un environnement sécurisé lorsqu'on doit entreposer les armes dans un vestiaire ou dans un endroit d'entreposage central. Également, si un officier estime qu'il va perdre son arme à un agresseur, le pistolet peut être rendu inopérable en dégageant le chargeur.

Le désavantage en est un du côté tactique, c'est-à-dire, un coup ne peut être tiré durant l'échange du chargeur, ou si le chargeur est perdu ou déclenché par erreur.

Les fabricants qui offrent cet aspect de sécurité, nous offrent aussi le pistolet sans cette caractéristique laissant alors le choix de la configuration à l'utilisateur.

g) Glock "safe-action" trigger.

g) Détente "safe-action" Glock.



## **-METHODOLOGY**

### **PARAMETERS:**

1. This pistol test is limited to two calibers - 9 X 19 mm (also known as 9 mm NATO, 9mm Parabellum, and 9mm Luger) and .40 S&W.

**NOTE:** When considering the selection of a new sidearm, the pistol and ammunition should be looked upon as a weapon system. One does not work without the other. At the time of writing, a parallel test of relative ammunition effectiveness is being conducted by members of the Forensic Laboratory, Regina Firearms Section. The results of this testing will be available by late summer 1994.

## **LA MÉTHODOLOGIE DE L'ÉVALUATION**

### **PARAMETRES**

1. L'évaluation du pistolet est limitée à deux calibres: 9 x 19 mm (connu aussi comme le 9mm NATO. 9mm Parabellum, et le 9mm Luger) et le .40 s. & w.

**NOTA:** Lorsqu'on considère la selection d'une nouvelle arme, le pistolet et la munition doivent être considérés comme un étant un système. L'un ne peut fonctionner sans l'autre. Au moment de la rédaction de ce texte, une évaluation parallèle relative à l'efficacité des munitions est en marche par les membres du Laboratoire Medico-legal, Section des armes à feu, de Regina. Les résultats de cette évaluation seront disponibles à la fin de l'été 1994.

2. The pistol testing included pistols submitted by the following manufacturers:

2. L'évaluation des pistolets comprenait des pistolets soumis par les manufacturiers suivants:

Beretta

Browning (1 pistol only submitted in 9 X 19mm)

Glock

Heckler and Koch

Ruger

SIG/Sauer (Sigarms U.S.A.)

Smith and Wesson

The review of testing and selection criteria by the R.C.M.P., O.P.P., Vancouver, Edmonton and Calgary Police Services revealed that the overwhelming choice for a general duty pistol was one that was, "double-action only, " with no external safety. In view of these reports, emphasis was placed on the testing of double-action only pistols. However, in some cases such as the Heckler & Koch USP pistol in .40 S&W the pistols submitted were double action/single action in operation. In these cases, please note the Armourer's comments. as

La revision des critères d'évaluations et de selection faites par la G.R.C., la Police Provinciale de l'Ontario, les Services de police de Vancouver, Edmonton et Calgary ont tous révélés que le choix dominant pour un pistolet de service général était un à "double action seulement", sans cran de sécurité extérieur. Cependant, certains modèles tel le Heckler & Koch, USP, .40 S.& W., ont été soumis avec double action/simple action. Dans ces cas, veuillez noté les commentaires de l' Armurier, car l'évaluation de la détente est affecté par le type

the evaluation of the trigger is affected by the type of action.

In each section, you will find a photograph of the test pistol next to a photograph of an R.C.M.P. Smith & Wesson .38 Special service revolver. This is to give the reader a reference as to the size of the test pistol. This picture is followed by a data sheet with all the specifications of the test pistol.

### **3. Ergonomics:**

Current hiring practices have seen the physical stature of police officers change dramatically in recent years. In many cases, the large capacity semi-automatic pistol has exacerbated the problem of small handed people. In some cases, the reach to the trigger and the circumference of the grip on these pistols is larger than on the revolver that they replace.

d'action

Dans chaque section, vous trouverez une photo du pistolet évalué compare à une photo du pistolet de service actuel, le revolver 38 special de Smith et Wesson. Ceci vous fournira une reference en ce qui a trait à la dimension du pistolet évalué. Suivant cette photo il y a une feuille indiquant les specifications de cette arme.

### **3. L'Ergonomie**

Étant donné les nouvelles pratiques d'embauchement, nous avons vu la taille physique des policiers changée dramatiquement dans les années récentes. Dans beaucoup de cas, le pistolet semi-automatique à large capacité a servi à exacerber le problème des personnes avec petites mains. Dans certains cas, la distance de la detente et la circonférence de la poignée de ces pistolets sont plus grandes que celles du revolver qu'il remplace.

In order to assess the impact of the grip size, we explained the proper method of gripping the semi-automatic pistol and compare the hand size to a Smith & Wesson revolver with different size grips. All officers were able to relate to the size of grip that they used with the revolver and graded their hand accordingly: Size A for small, B for medium and C for large. Please see Appendix "B" for reference.

The selected pistol must have a compact model that works the same as the full-sized model, only with a single stacked magazine. The compact pistol is for concealment by plain clothes and undercover members, as well as for use by exceptionally small persons who are unable to master the full-size gun. By going to a single stacked magazine, we sacrifice magazine capacity. This, however, is the only way to reduce the circumference of the grip. A large magazine will not

Afin d'estimer l'impact de la grosseur de la poignée, nous avons expliqué la propre manière de tenir le pistolet semi-automatique et de comparer la grandeur de la main au revolver Smith et Wesson avec différentes grosseurs de poignées. Tous les officiers ont pu relate a la poignée de leur revolver et on pu classer la grandeur de leurs mains, soit A pour petites mains, B pour mains moyennes, ou C pour les grandes mains. Veuillez vous référer à l'Annexe "B".

Le pistolet choisi doit avoir un modele compact fonctionnant de la même façon que le modele original, avec chargeur à colonne simple seulement. Ce pistolet peut être cache par les policiers en tenue civile et par les agents banalises, et utilisé par les personnes exceptionnellement petites qui ne peuvent maitriser l' arme originale. En adoptant le chargeur à color-me simple, nous sacrifions la capacité du chargeur, cependant, ceci est la seule façon de reduire la circonference de la

compensate for an inability to tire accurately.

#### **4. Ammunition:**

Many police services, in an effort to reduce training costs, use remanufactured ammunition or training ammunition. For qualification and duty, premium hollow-point is used. For these reasons, we used as wide a variety of ammunition as possible to assess the functioning of both the pistol and the ammunition. A list of the ammunition used is attached as Appendix "C".

All malfunctions were immediately examined by the Armourer and diagnosed. The malfunctions that were attributed to ammunition were noted and the test continued. The malfunctions that were attributed to the pistol were also noted, cleared and the test allowed to continue. These malfunctions are recorded in

poignée. Un chargeur a grande capacité ne compensera pas pour l'incapacité de tire précisément .

#### **4. Munitions:**

Plusieurs services de police. afin de réduire les coûts de formation, utilisent une munition remanufacturee ou une munition d'entraînement . Pour les qualifications et le travail, on utilise une munition de prime à pointe creuse. Pour ces raisons, nous avons utilisé une variété de munitions dans la plus grande mesure possible afin d'évaluer le fonctionnement des pistolets ainsi que des munitions. Une liste de ces munitions vous est présentée à l'Annexe "C".

L'Armurier a examiné immédiatement et diagnostiqué toutes les défaillances. Les défaillances due à la munition ont été notées et l'évaluation s'est poursuivie. Les défaillances du pistolet étaient aussi notées et corrigées afin de permettre la poursuite de l'évaluation. Ces

the Armourer ' S comments.

défaillances sont décrites aux commentaires de l' Armurier .

5. Each model of pistol was fired for evaluation and function to a minimum limit of 1,000 rounds.
6. Random pre-selected pistols from each make and model were fired to a limit of 10,000 rounds to determine wear, tear and estimated service life.

5. Le fonctionnement de chaque modèle de pistolet a été évalué à une limite minimum de mille coups.
6. Un nombre de pistolets de chaque manufacturier e t modèle pré-sélectionnés au hasard furent tirés à une limite minimum de dix mille coups afin de déterminer l'usure et d'évaluer la durée de service.

**NOTE:** We know from our experience in firearms repair that police persons do not always clean their firearms as recommended and these firearms should work under foul conditions. Depending on magazine capacity, approximately 300 rounds were be fired before field stripping and cleaning.

**NOTA:** Selon notre expérience en réparation d'armes nous savons que les policiers ne nettoient pas toujours leurs armes tel que recommande, donc ces armes doivent fonctionner dans des conditions encrassées. Dépendant de la capacité du chargeur, 300 coups ont été tirés avant le démontage et le nettoyage.

7. Accuracy testing was conducted at the beginning of the test by firing each pistol from a sandbag rest at 25 meters at a B-27 target. The marksperson was Cpl. E. Plitz, who is the current holder of the Connaught Cup, as the Best Shot in

7. Un teste de précision a é t é fait au debut de l'évaluation en tirant chaque arme, appuyée sur un sac de sable à 25 mètres sur cible B-27. Le tireur d'élite était le cap. E. Plitz, qui est le détenteur de la Coupe Connaught décernée au meilleur

the RCMP. The same accuracy testing was repeated at the conclusion of the 10,000-round endurance test. See Appendix "D".

8. Selected individuals from police agencies across the country participated in the test. These police persons are representative of the police community, varying in stature and experience. Although many firearms trainers took part in the evaluation, each agency was encouraged to send persons who were not known shooters or experts in the field of firearms.

9. Cold weather testing was carried out and the results are attached as Appendix "E" .

tireur de la G.R.C. Le meme test de precision a eté rep&e 2 la conclusion du teste d'endurance de dix milles coups. Voir l'Annexe "D".

8. Des individus selectiones d'agences de police à travers le pays ont participes à cette recherche. Ces policiers sont representatifs de la communauté policiere et varient en taille physique et en experience. Quoique plusieurs entraineurs d'armes à feu ont participes à l'evaluation, chaque agence était encouragée à founir des personnes qui n'etaient pas necessairement des tireurs. ni des experts dans le domaine des armes à feu.

9. Une evaluation en temperature froide a aussi été complétée et vous trouverez les résultats à l'Annexe "E" .

## **EXPLANATION OF SHOOTER'S EVALUATION**

Each shooter was given a total of 100 rounds of ammunition to fire through each pistol:

20 rounds - Familiarization

60 rounds - Course of fire for score

20 rounds - Low-light firing

The Ontario Police College and test in Quebec City used a slightly different format due to their course of fire. The results are not significantly different.

Each shooter completed the evaluation form immediately after firing a particular pistol.

## **EXPLICATION DE L'ÉVALUATION DU TIREUR**

Chaque tireur fut donné un total de cent balles pour tirer avec chaque pistolet:

**20** balles - familiarisation

60 balles - parcours de tir pour compter

20 balles - Tir à Cclairage faible

La Police Provinciale de l' Ontario et pour le test à Quebec on a utilisé un format un peu different du nôtre due à leurs parcours de tir, par contre, les risultats ne sont pas significativement différents.

C haque tireur devais completer le formulaire d'évaluation immédiatement après avoir tire un pistolet.

## **SCORING:**

There was a great deal of variation of scores. This is due to the large learning curve required. We also separated the R.C.M.P. stage 5, as this is fired at 50 meters or simulated at 25 meters with a reduced target (B-34). The semi-automatic pistols are not as accurate as a .38 spl. revolver at this distance. The sights on these pistols are all of a quick acquisition type, with three dot system, a dot over a bar or tritium night sights. While these sight systems are not conducive to target shooting, they are more appropriate to defensive style and low light shooting techniques.

## **LE MARQUAGE**

Il y a eu une grande fluctuation des marques. Ceci est due à la période d'apprentissage qui est nécessaire. Nous avons aussi séparé le Stage 5 du parcours de la G.R.C., car celui-ci est tiré soit à 50 mètres ou simulé à 25 mètres sur des cibles (B-34) réduites. A cette distance, les pistolets semi-automatiques ne sont pas aussi précis que le revolver .38 Special. Les mires de ces pistolets sont tous du genre facile à trouver, avec soit un système de trois points, soit un point par-dessus une barre, ou encore des mires de nuit au tritium. Quoique ces mires ne sont pas convenables au tir à la cible, elles sont plus appropriées pour le tir défensif et les techniques de tir à l'éclairage faible.

## **RATINGS**

Most of the ratings are self-explanatory. The comments by the shooters have been paraphrased by the evaluation team of the R.C.M.P. Armourer Section.

The evaluation of the “Slide release lever” is open to interpretation. Most of the manufacturers refer to this as a “Slide catch lever” as this is the lever that is activated by the magazine follower to hold the slide open when the magazine is empty. Many firearms trainers teach to pull back on the slide and allow it to “slingshot” forward instead of using this lever to release the slide. Your interpretation of this rating will depend on your agency’s method of instruction.

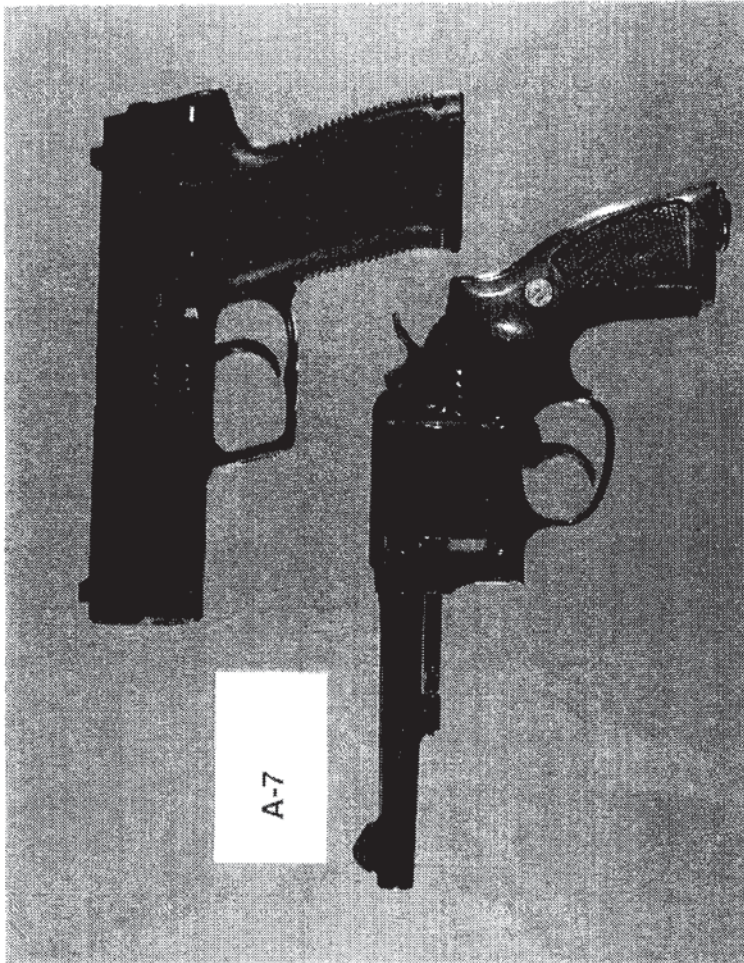
## **COTES**

La plupart des cotes se passent d’explication. Les commentaires des tireurs ont été paraphrases par l’équipe d’évaluation de la Section de l’armurerie de l’École de la G.R.C..

L’évaluation de "l'arrêtoir de la culasse" est laissé à l'interprétation La majorite des manufacturiers appellent ceci le cran d'arrêt de la culasse car ce cran est active par le plateau du chargeur pour tenir la culasse ouverte lorsque le chargeur est vide. Plusieurs entraîneurs d’armes à feu préfèrent enseigner de tirer la culasse en arrière et la laisser partir en lance-pierre par en avant plutôt que de se servir de ce cran p o u r l a relâcher. Votre interpretation de cette cote dependra de la méthode d’enseignement de votre agence.

## Section I - Heckler & Koch

MANUFACTURER MANUFACTURIER	MODEL MODÈLE	CALIBER CALIBRE	# ROUNDS COUPS	PISTOL # PISTOLET #
HECKLER & KOCH	USP	9 MM.	9,673	A-7
			1,805	A-8
		40 S. & W.	2,400	A-1
			9,493	A-3
			2,195	A-4
<b>TOTAL / TOTALE</b>			<b>25,566</b>	



**HECKLER & KOCH MODEL USP - 9MM.**

Manufacturer/ Fabricant	Heckler & Koch
Model Modèle	USP
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	105 mm 4.13"
Overall length Longueur totale	194 mm 7.64"
Height / Hauteur	136 mm 5.35"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	992 g 34.9 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Black mil spec. Noir mat
Grip / Poignée	Polymer integral with frame Polymère intégré à la carcasse

HECKLER & KOCH MODEL/MODELE: USP CALIBRE: 9MM

PISTOL: A-7 HAND SIZE  
 PISTOLET: A-8 GRANDEUR DE LA MAIN "B" TOTAL 29

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		2				3	3	9	8	2
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET			1			1	1	10	9	7
3	GRIP/ POIGNEE	1	1	4	1	3	5	1	7	5	1
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE				2	3	1	4	7	11	1
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE		1	1	2	2	3	5	10	3	2
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1		2	7	6	4	1
7	TRIGGER/ DETENTE		2	1	1	3	7	4	5	5	1
8	SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL				3	3	4	1	6	7	4
9	SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	2	3	4	3	1		4	1	2	1
10	RECOIL/ RECUL			1	1	1	5	6	9	6	
11	MUZZLE FLASH/ LUEUR DE BOUCHE	3		1		1	4	8	3	9	
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	2	1	3	2	1	4	5	3	5	3
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		1	1	2	1		3	7	6	7
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION	1				2	4	6	10	5	1

HECKLER & KOCH MODEL/MODELE: USP CALIBRE: 9MM

PISTOL: A-7 HAND SIZE  
 PISTOLET: A-8 GRANDEUR DE LA MAIN "A" TOTAL 1

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	1									
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET										1
3	GRIP/ POIGNEE		1								
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE							1			
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE		1								
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE					1					
7	TRIGGER/ DETENTE							1			
8	SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL								1		
9	SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1									
10	RECOIL/ RECUL				1						
11	MUZZLE FLASH/ LUEUR DE BOUCHE				1						
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR		1								
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR				1						
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					1					

PISTOL: A-7 HAND SIZE  
 PISTOLET: A-8 GRANDEUR DE LA MAIN "C" TOTAL 11

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING: CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1	4	3	3		
2	EASE OF LOADING MAGAZINE: INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							4	3	4	
3	GRIP/ POIGNEE				2			1	2	6	
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE						4	3	1	1	
5	SLIDE RELEASE LEVER/ LEVER DE DEVERROUILLAGE DE LA GLISSIERE				1	1	2	3	1	1	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1	1	3	2	1	1	
7	TRIGGER/ DETENTE				2	1	1	1	5	1	
8	SIGHTS, NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL							2	6	3	
9	SIGHTS, LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1			1	3		2	1	1	
10	RECOIL/ RECUIL					1	2	3	3		
11	MUZZLE FLASH/ FLUEUR DE BOUCHE				1			1	2	5	1
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	1		1	1	2	2	3	1		
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR					3	4	3	1		
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						2	3	6		

Malfunction Défaillance	Number Nombre	Comments Commentaires
Action closed on inserting magazine/ Action se ferme en insérant le chargeur	35	
Fail to extract / Extraction défectueuse	5	3-D ammunition; two attributed to ammunition. / Munition 3-D; deux défaillances attribuées à la munition.
Fail to eject / Éjecteur défectueux	3	3-D ammunition. / munitions 3-D.
Magazine dropped during fire/ Chargeur échappé en faisant feu	2	
Front sight insert came off / Ajout de la mire avant s'est enlevé	1	
Misfire / Coup raté	1	3-D ammunition; no comments. / Munition 3-D; aucun commentaire.

SHOOTER'S COMMENTS

Most shooters, Size A, B, and C, found the grip to be rough and uncomfortable. Only two shooters found the sharp checkering to be good.

Shooter size A had difficulty reaching the trigger, while shooter size B and some shooters size C found the trigger pull to be too long. One evaluator expressed concern that such a long trigger pull would be a disadvantage in a rapid fire situation.

The magazine release was found to be difficult to operate by shooters of sizes A, B, and C. One shooter found it good to be ambidexterous.

Most evaluators had difficulties loading the magazine.

Two shooters, one B and one C, found the gun to be too light.

COMMENTAIRES DU TIRREUR

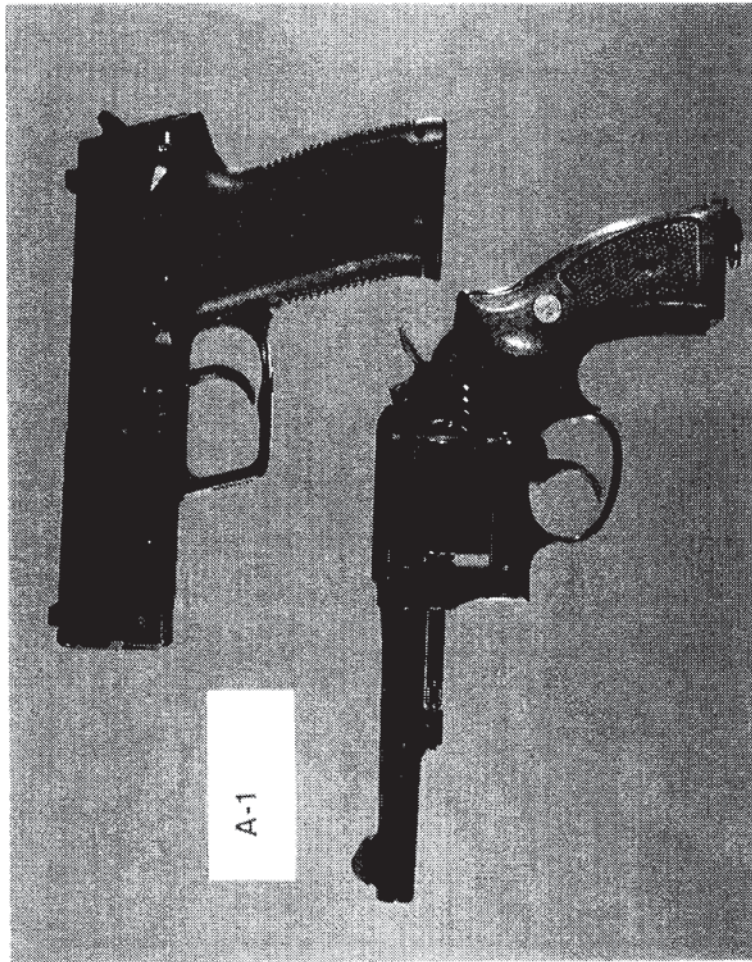
La plupart des tireurs de tailles A, B, et C, ont trouvé la poignée rude et inconfortable. Seulement deux tireurs ont trouvé le quadrillage acéré bon.

Un tireur de taille A a éprouvée de la difficulté à atteindre la détente, tandis qu'un tireur de taille B et quelques-uns de taille C ont trouve la force de détente trop longue. Un évaluateur était concerné qu'une si longue force de détente lui serait nuisible dans une situation de tir rapide.

L'opération de l'arrêteur du chargeur était difficile à opéré selon des tireurs des tailles A, B et C. Un tireur a trouve que c'était bon d'être ambidextre.

La plupart des évaluateurs ont eu de la difficulté à remplir le chargeur.

Deux tireurs, un de taille B et un de taille C, ont trouve l'arme trop légère.



**HECKLER & KOCH MODEL USP - 40 S&W**

Manufacturer/ Fabricant	Heckler & Koch
Model/Modèle	USP
Calibre Calibre	.40 S&W
Magazine capacity Capacité du chargeur	13
Safety Sûreté	Manual safety with decock Manuelle avec levier de désarmement
Type of Action Genre d'action	Double action
Barrel length Longueur du canon	105 mm 4.13"
Overall length Longueur totale	194 mm 7.64"
Height / Hauteur	136 mm 5.35"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	1,025 g 36.1 oz.
Sights / Mires	Three white dot Trois points blancs
Finish / Fini	Black mil spec. Noir mat
Grip / Poignée	Polymer integral with frame Polymère intégré à la carcasse

HECKLER & KOCH MODEL/MODELE: USP CALIBRE: 40 S. & W.

PISTOL: A-1 HAND SIZE  
 PISTOLET: A-3 GRANDEUR DE LA MAIN "B" TOTAL 50  
 A-4

	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					3	5	9	16	11	4
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						1	2	9	18	20
3 GRIP/ POIGNEE			2	3	5	2	9	12	8	9
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE					1	3	9	9	15	13
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE	1	1	1	1	2	2	5	11	16	10
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE	1		2	1	2	7	5	10	10	2
7 TRIGGER/ DETENTE	2			1	2	3	7	10	17	8
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL		1		1	2	4	4	12	18	8
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	6	4	6	3	4	4	3	4	2	2
10 RECOIL/ RECUIL			3		5	3	8	4	12	5
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1	1	8	9	9	15	4
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	2	3	5	3	1	3	6	10	11	6
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		2	1		1		5	13	14	14
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1	3	4	4	15	19	4

HECKLER & KOCH MODEL/MODELE: USP CALIBRE: 40 S. & W.

PISTOL: A-1 HAND SIZE  
 PISTOLET: A-3 GRANDEUR DE LA MAIN "A" TOTAL 4  
 A-4

	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						1	2			1
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1	1	1	1
3 GRIP/ POIGNEE			1	1			1	1		
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE			1				2	1		
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE			1			1	2			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE					1			3		
7 TRIGGER/ DETENTE	1	1						2		
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL					2	1		1		
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1		2							
10 RECOIL/ RECUIL				1			2	1		
11 MUZZLE FLASH/ LUEUR DE BOUCHE						1	1	2		
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR					2				2	
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR				1					3	
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					1		1	2		

HECKLER & KOCH MODEL/MODELE USP CALIBRE: .M

HECKLER & KOCH MODEL/MODELE: USP CALIBRE: 40 S. & W.

A-1

HAND SIZE

TOTAL 16

PISTOL: A-3

PISTOLET: A-4

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1	1	2	4	5	3
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								3	8	5
3 GRIP/ POIGNEE						1	3	2	8	2
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE					1		1	7	5	1
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE						1	2	9	3	1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						2	2	6	3	1
7 TRIGGER/ DETENTE	1	1				1	2	2	7	2
8 SIGHTS-NORMAL LIGHT/ MIRE-CLAIRAGE NORMAL	1			1			2	5	5	2
9 SIGHTS LOW LIGHT/ MIRE-CLAIRAGE FAIBLE	1	1		1	1		4	1	1	
10 RECOIL/ RECU						2	7	6	1	
11 MUZZLE FLASH/ LUEUR DE BOUCHE						2	4	6	2	1
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	1				1	4	3	5	2	
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR	1		1			1	4	3	4	2
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							2	7	6	1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Slide forward while inserting magazine/ Glisse en avant lorsque le chargeur est insérer	17	
Lost front sight insert/ Perdu l'ajout de la mire avant	1	
Failure to feed / Alimentation défectueuse	2 2 4	Ammunition / Munitions: Super X Winchester 180 Jacketed Hollow Point American Eagle CCI Speer
Slide did not lock open on last shot/Culasse ne s'est pas sécurisée dans la position ouverte après le dernier coup	1	

SHOOTER'S COMMENTS

Most shooters found the checkering on the grip too sharp and uncomfortable.

A few shooters Size B and C found the trigger to be long. Many found the single action trigger to be very light and expressed that this was not suited for police work.

The magazine release was found difficult to operate by shooters of size B and C. Two shooters of size A found it easy.

The safety was found awkward by 10 shooters of Sizes B and C.

Most shooters expressed difficulties in loading magazine.

One shooter was unable to reassemble the gun after cleaning due to tension of the recoil spring.

Recoil was found heavy enough to comment by 3 shooters Sizes B and C.

COMMENTAIRES DU TIREUR

La majorite des tireurs ont trouves que le quadrillage de la poignee etait trop acéré et inconfortable.

Quelques tireurs de la grandeurs B et C trouvaient que la detente était longue. Plusieurs ont trouves que la detente à simple action était trop légère et ont exprimé que ceci n'était pas convenable au travail de police.

Les tireurs de grandeurs B et C ont trouves que l'arrêteoir du chargeur était difficile à opérer, tandis que deux tireurs de la grandeur A l'ont trouvé facile.

Le cran de sûreté a été trouve peu maniable par dix tireurs de grandeurs B et C.

La plupart des tireurs ont exprime de la difficulté à remplir le chargeur.

Un tireur à été incapable de ré-assembler l'arme après l'avoir nettoyée due à la tension sur le ressort de rappel.

Trois tireurs de grandeurs B et C ont trouve juste de commenter du fait que le recul était assez prononcé.

## **ARMOURER'S COMMENTS / COMMENTAIRES DE L'ARMURIER**

### **PREFACE**

Overall, the 9 x 19 mm pistols were not as prone to malfunctions or to mechanical failures as the .40 S & W pistols.

We have found that some of the small springs in semi-automatic pistols are best changed as a matter of routine maintenance. Extractor springs, firing pin springs, and trigger return springs should be changed at 5000 round intervals. We will be more specific in regards to maintenance on certain pistols.

### **AVANT-PROPOS**

En general, les pistolets 9 x 19 mm n'étaient pas autant predisposes aux défaillances ou défauts mécaniques que les pistolets .40 S & W.

Nous avons determine que certains ressorts dans les pistolets semi-automatiques devraient être remplaces comme mesure d'entretien routiniere. Le ressort de l'extracteur, le ressort du percuteur et le ressort de rappel de la detente devraient être changes à tous les cinq milles coups. Nous serons plus spécifique en ce qui concerne l'entretien de certains pistolets.

## HECKLER AND KOCH

### **MECHANICAL FAILURE**

We experienced a broken trigger return spring in the 9 x 19 mm, double action only pistol at 9098 rounds.

The decock levers require periodic service as they will not operate when fouled. It should be noted that during routine maintenance this part should be cleaned and lubricated.

The recoil spring and rod are very difficult to re-install in the pistol, even for an experienced person. Some of the evaluators were unable to re-assemble the pistol even after instruction by the Armourer Staff.

The trigger on the .40 S&W USP models are all of the double/single action type. To evaluate the trigger of this pistol in double action only, refer to the USP 9 x 19 mm model.

### **DÉFAILLANCE MÉCANIQUE**

Nous avons experiences un bris du ressort de rappel de la detente dans le 9 x 19 mm double action seulement, à 9,098 coups.

Les leviers de désarmements demandent un service périodique car ils n'opèrent pas lorsqu'ils sont encrassés. Il est à noter que durant l'entretien routinier, cette pièce devrait être nettoyée et lubrifiée.

Le ressort de rappel et sa tige sont difficiles à remonter dans le pistolet même pour une personne expérimentée. Quelques-uns des évaluateurs étaient incapables de remonter le pistolet, même après l'instruction par le personnel armurier.

La detente du .40 S. & W., modèle USP, sont tous du genre double/simple action. Afin d'évaluer la detente de ce pistolet en double action seulement, référez au modèle USP, 9 x 19 mm.

## **SUGGESTED MAINTENANCE**

See the general comments.

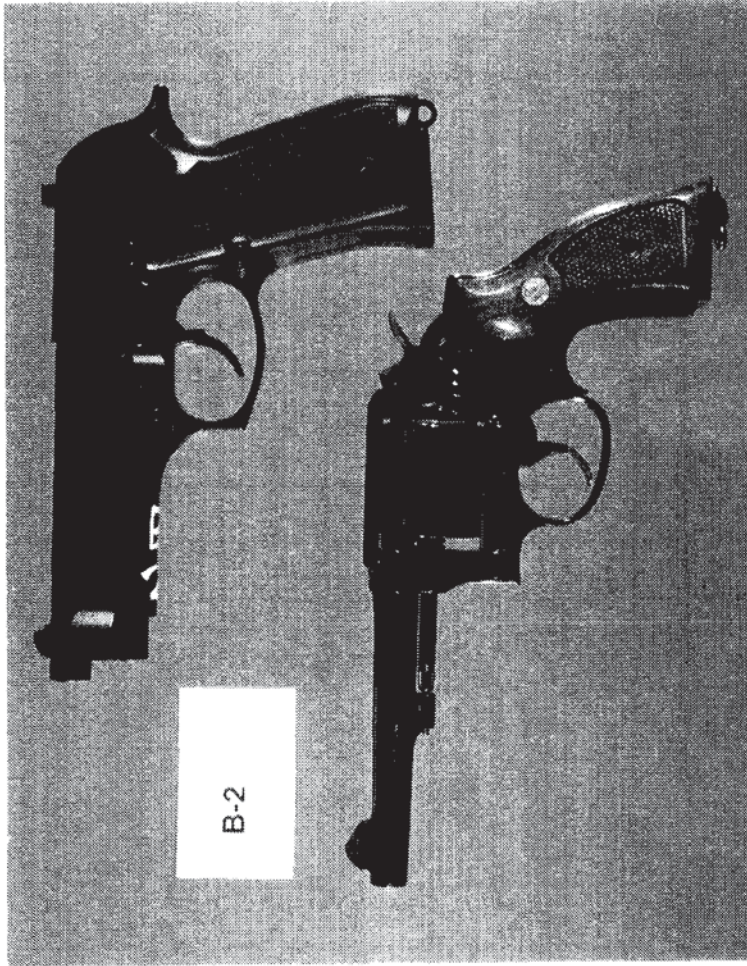
As we were limited in the number of pistols evaluated, we are unable to determine a specific maintenance schedule.

## **L'ENTRETIEN SUGGÉRÉ**

Voir les commentaires généraux. Étant donné le nombre limité de pistolets évalués, nous ne sommes pas en mesure d'établir une cédule d'entretien spécifique.

## Section II - Beretta

MANUFACTURER MANUFACTURIER	MODEL MODÈLE	CALIBER CALIBRE	# ROUNDS COUPS	PISTOL # PISTOLET #
BERETTA USA	92D	9 MM.	2,400	B-2
			2,000	B-3
			1,965	B-7
	92D CENTURION TYPE M	9 MM.	1,500	B-40
	92FS	9 MM.	1,920	B-42
	92FS COMPACT TYPE M	9 MM.	9,311	B-5
	92D CENTURION	9 MM.	10,480	B-9
	96D	40 S. & W.	2,400	B-14
			10,816	B-15
			3,534	B-16
	96D CENTURION	40 S. & W.	2,700	B-41
<b>TOTAL / TOTALE</b>			<b>49,026</b>	



<b>BERETTA USA MODEL 92D - 9MM.</b>	
Manufacturer/ Fabricant	Beretta USA
Model Modèle	92D
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	125 mm      4.92"
Overall length Longueur totale	217 mm      8.54"
Height / Hauteur	140 mm      5.51"
Width of frame Largeur de la carcasse	38 mm      1.50"
Weight Loaded Poids chargé	1,145 g      40.89 oz.
Sights / Mires	Three luminous dot Trois points lumineux
Finish / Fini	Slide: blue      Frame: anodized Culasse: bleue      Carcasse: anodisée
Grip / Poignée	Black plastic Plastique mat
Features Particularités	Chamber loaded indicator Indicateur de chargement

BERETTA USA

MODEL/MODELE: 92D

CALIBRE: 9MM

PISTOL: B-2  
PISTOLET: B-3  
B-7

HAND SIZE  
GRANDEUR DE LA MAIN "B"

TOTAL  
43

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		2	2	3	4	2	7	15	0	2
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET		1				2	2	9	13	15
3 GRIP/ POIGNEE					2	1	5	11	15	9
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE	1				1	1	3	9	20	8
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE		1			1	3	0	5	17	10
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE					1		3	6	6	6
7 TRIGGER/ DETENTE		1	1	3	3	1	7	6	15	8
8 SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL						2	4	5	10	16
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE								4	12	21
10 RECOIL/ RECUIL					1	3	5	6	17	11
11 MUZZLE FLASH/ LUEUR DE BOUCHE			1			6	9	5	15	7
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR			2	1	2	2	4	12	12	8
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						3	2	10	15	12
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						1	3	4	21	14

BERETTA USA

MODEL/MODELE: 92D

CALIBRE: 9MM

PISTOL: B-2  
PISTOLET: B-3  
B-7

HAND SIZE  
GRANDEUR DE LA MAIN "A"

TOTAL  
6

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1	1	1			3		
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							3	1	2	
3 GRIP/ POIGNEE					1	1	1	3		
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE							4	2		
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE					2	2	2			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						1	2	2		
7 TRIGGER/ DETENTE			1	1	1	1	1	1		
8 SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL							1	4	1	
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE							1	1	4	
10 RECOIL/ RECUIL							1	4	1	
11 MUZZLE FLASH/ LUEUR DE BOUCHE					2		3		1	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR				1			3	2		
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							4	2		
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							3	1		

BERETTA USA

MODEL/MODELE: 92D

CALIBRE: 9MM

BERETTA

MODEL/MODELE 92D

CAL

E: 9MM

PISTOL: B-2  
PISTOLET: B-3  
B-7

HAND SIZE  
GRANDEUR DE LA MAIN "C" TOTAL 16

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	1		1		2	1	4	2	2	3
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								3	4	9
3 GRIP/ POIGNEE								3	7	6
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE					1	1		2	6	6
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE						1	1	3	4	6
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE									4	3
7 TRIGGER/ DETENTE						1	1	2	5	6
8 SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL								2	8	6
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE									3	8
10 RECOIL/ RECUIL						1	2	6	3	4
11 MUZZLE FLASH/ LUEUR DE BOUCHE			1			1		2	9	1
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR						1	1	4	8	2
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR									3	8
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	2	7	6

Malfunction Défaillance	Number Nombre	Comments Commentaires
Slide closed when magazine inserted / Culasse referme lorsque le chargeur est insérer	8	
Slide locked open with rounds in magazine / Culasse verrouillée avec des balles dans le chargeur	1	

SHOOTER'S COMMENTS

Many shooters commented that the trigger pull was too long. About an equal number found the trigger pull to be excellent and smooth.

"Trigger pull too long, but smooth."

Three evaluators found the recoil to be heavy while five evaluators rated the recoil as very manageable.

Overall, most shooters found the grip to fit their hand well. Two size A shooters complained that the grip was too large.

Size A - "Overall a nice pistol for me."

Size A - "Grip was nice but a little big."

The most consistent complaint was that the shooters had difficulties in loading the magazines to capacity.

Some shooters complained that they had to shift their grip to reach the magazine release button and that the is too small.

COMMENTAIRES DU TIREUR

Plusieurs tireurs ont commenté que la force de détente était trop longue. Un nombre à peu près égale l'ont trouvée excellente et douce.

"Détente trop longue mais douce."

Trois évaluateurs ont trouvé le recul fort tandis que cinq autres l'ont trouvé très maniable.

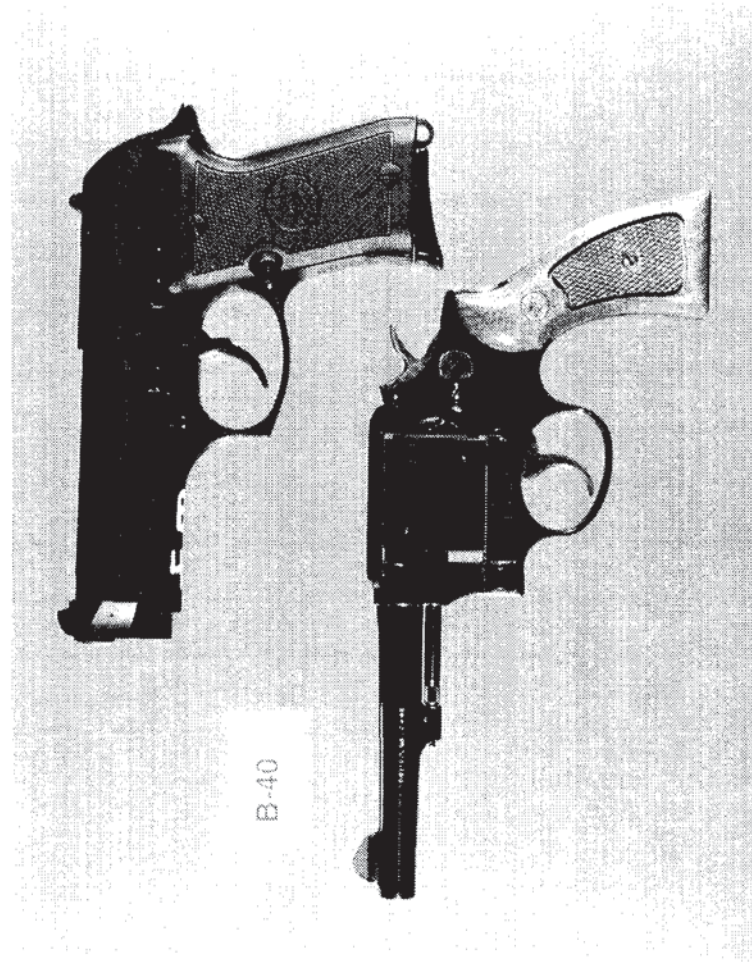
En general, la plupart des tireurs ont trouvée que la poignée s'adaptait bien à leurs mains. Deux tireurs de taille A ont exprimé qu'elle était trop grosse.

Taille A - "Généralement, un bon pistolet pour moi."

Taille A - "La poignée était belle, mais un peu grosse."

La plainte la plus commune était que les tireurs éprouvaient de la difficulté à remplir les chargeurs à capacité.

Quelques tireurs se sont plaints qu'ils fallait modifier leur poignée afin d'atteindre le bouton de l'arrêtoir du chargeur et que l.....était trop petit(e)?



B-40

**BERETTA USA MODEL 92D CENTURION TYPE M - 9MM.**

Manufacturer/ Fabricant	Beretta USA
Model Modèle	92D Centurion Type M
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	8
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	109 mm 4.3"
Overall length Longueur totale	217 mm 8.54"
Height / Hauteur	140 mm 5.51"
Width of frame Largeur de la carcasse	38 mm 1.50"
Weight Loaded Poids chargé	1,145 g 40.89 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Slide: Blue Culasse: Bleu Frame: Anodized Carcasse: Anodisé
Grip / Poignée	Black plastic Plastique mat
Features Particularités	Chamber-loaded indicator Indicateur de chargement

BERETTA USA MODEL/MODELE: 92D CENTURION CALIBRE: 9MM

PISTOL: B-40 HAND SIZE: C  
 PISTOLET: B-40 GRANDEUR DE LA MAIN "C" TOTAL 5

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1			1	1			
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							2	2		1
3 GRIP/ POIGNEE		1					2	2		
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE							1	3	1	
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE							1	2	2	
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								2	1	
7 TRIGGER/ DETENTE				1	1	1			1	1
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL					2	1				2
9 SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE			1				1			1
10 RECOIL/ RECU								1	1	3
11 MUZZLE FLASH/ LUEUR DE BOUCHE						1		3	1	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR									2	3
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR									2	1
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	1	1	2

BERETTA USA MODEL/MODELE: 92D CENTURION CALIBRE: 9MM  
 TYPE M

PISTOL: B-40 HAND SIZE: B  
 PISTOLET: B-40 GRANDEUR DE LA MAIN "B" TOTAL 10

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	1	1	2			2		3	2	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET				1			2	3	1	3
3 GRIP/ POIGNEE		2	2	1			3			2
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE					1	2	4	1	2	
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE					1		3	2	1	2
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE	1						2	2	0	1
7 TRIGGER/ DETENTE	1	1	2		1	1	1	1		3
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL						1	1	4	3	
9 SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	2	1	1		1	1		1	2	
10 RECOIL/ RECU				1	1	2	1	1	4	
11 MUZZLE FLASH/ LUEUR DE BOUCHE	1		1		1	4	4	1	6	5
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR							3	2	3	2
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR			1				1	3	1	4
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						2	4	1	1	2

BERETTA

MODEL/MODELE 92D CENTURION  
TYPE M

CALIBRE: 9MM

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed / Alimentation defectueuse	2 3	Ammunition / Munitions: Federal FMJ/Chemisee 3D Impact Jacketed Hollow Point/Chemisee a pointe creuse

SHOOTER'S COMMENTS

Several shooters rated this grip as too small and short. The evaluators rated this gun as if it were full size pistol and not as a compact model, which it is.

Most shooters rated the trigger as very long but smooth and easy to control.

The shooters had difficulty in loading the magazine to capacity. Some found the magazine lips to be sharp.

Three of the shooters commented that the magazine did not hold enough rounds.

This is designed as a compact pistol and the evaluators were not briefed that they should make the distinction between a compact and a full size pistol. An 8-shot magazine is standard for this type of pistol.

COMMENTAIRES DU TIREUR

Quelques tireurs ont qualifiée cette poignée comme étant trop petite et courte. Les évaluateurs ont évalué cette arme comme un pistolet original, même s'il est un modèle compact.

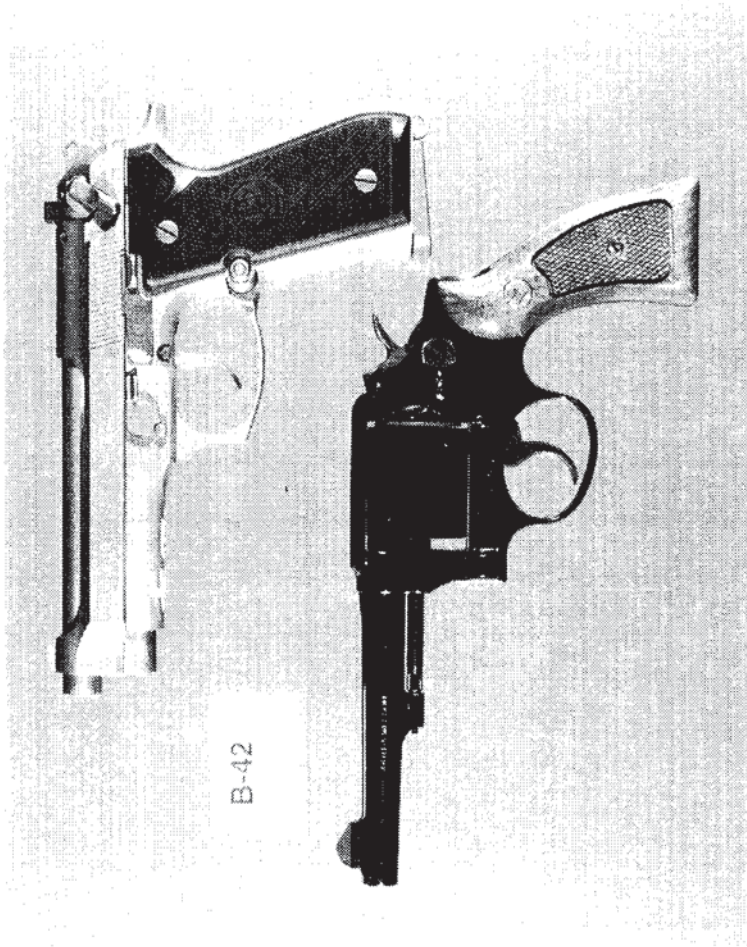
Plusieurs tireurs ont trouve que la detente est très long-ue, mais douce et facile à controler.

Les tireurs ont éprouvée de la difficulté à remplir le chargeur à capacite. Quelques-uns ont trouvé les rebords du chargeur tranchant.

Trois tireurs ont commenté que la capacité du chargeur n'était pas assez grande.

Ceci est une conception de pistolet compact, et les Bvaluateurs n'étaient pas ininformés qu'il devaient faire la distinction entre un compact et un modèle original. Un chargeur avec une capacité de 8 cartouches est la norm pour ce type de pistolet.

BERETTA USA MODEL 92FS - 9MM.	
Manufacturer/ Fabricant	Beretta USA
Model Modèle	92FS
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Slide mounted with decock Manuelle avec levier de désarmement
Type of Action Genre d'action	Double action
Barrel length Longueur du canon	125 mm 4.92"
Overall length Longueur totale	217 mm 8.54"
Height / Hauteur	140 mm 5.51"
Width of frame Largeur de la carcasse	38 mm 1.50"
Weight Loaded Poids chargé	1,145 g 40.89 oz.
Sights / Mires	Three luminous dots Trois points lumineux
Finish / Fini	Stainless steel slide Alloy frame Culasse en Acier Carcasse en alliage inoxydable
Grip / Poignée	Black plastic Plastique mat
Features Particularités	Chamber-loaded indicator Indicateur de chargement



BERETTA USA

MODEL/MODELE: 92FS

CALIBRE: 9MM

PISTOL:  
PISTOLET: B-42

HAND SIZE  
GRANDEUR DE LA MAIN "C"

TOTAL 5

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1	2					
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								3		2
3	GRIP/ POIGNEE							1	1	2	1
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE								3	1	1
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE							1	1	2	1
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1	2	1
7	TRIGGER/ DETENTE							1		2	2
8	SIGHTS-NORMAL LIGHT/ MIRES/ECLAIRAGE NORMAL									4	1
9	SIGHTS LOW LIGHT/ MIRES/ECLAIRAGE FAIBLE										2
10	RECOIL/ RECU							1	1	1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE									1	1
12	MAGAZINE RELEASE BUTTON/ ARRETEUR DU CHARGEUR							1		2	2
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1	1	1	2
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION									1	2

BERETTA USA

MODEL/MODELE: 92FS

CALIBRE: 9MM

PISTOL:  
PISTOLET: B-42

HAND SIZE  
GRANDEUR DE LA MAIN "B"

TOTAL 15

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		1	2	3	1	1	2	2	3	
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							2	3	9	1
3	GRIP/ POIGNEE								5	8	2
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE								5	9	1
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE							2	6	6	1
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE			3		1		1	5	4	1
7	TRIGGER/ DETENTE			1	1				2	6	5
8	SIGHTS-NORMAL LIGHT/ MIRES/ECLAIRAGE NORMAL				1	1	1		9	3	
9	SIGHTS LOW LIGHT/ MIRES/ECLAIRAGE FAIBLE					1			3	8	
10	RECOIL/ RECU						1		3	8	2
11	MUZZLE FLASH/ LUEUR DE BOUCHE				1	2	2		6	3	1
12	MAGAZINE RELEASE BUTTON/ ARRETEUR DU CHARGEUR			1		2	1	3	3	3	1
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR					1		1	4	4	5
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION			1	1			1	4	7	1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed / Alimentation defectueuse	1	Round stuck in magazine /Balle coincée dans le chargeur
Slide closed when magazine inserted / Culasse s'est refermée lorsque le chargeur est inséré	1	

SHOOTER'S COMMENTS

Slide mounted safety with  
decock - The shooters  
preferred a double action to  
this type of pistol.

The general comment was that  
the trigger was very good,  
however they would prefer a  
double action only pistol.

Many shooters found the  
stainless front sight a  
problem in daylight. They  
would have preferred black to  
provide a contrast.

Eleven of the shooters  
complained that they had  
difficulty in loading the  
magazine to capacity.

Six shooters did not like the  
location or the size of the  
magazine release.

COMMENTAIRES DU TIREUR

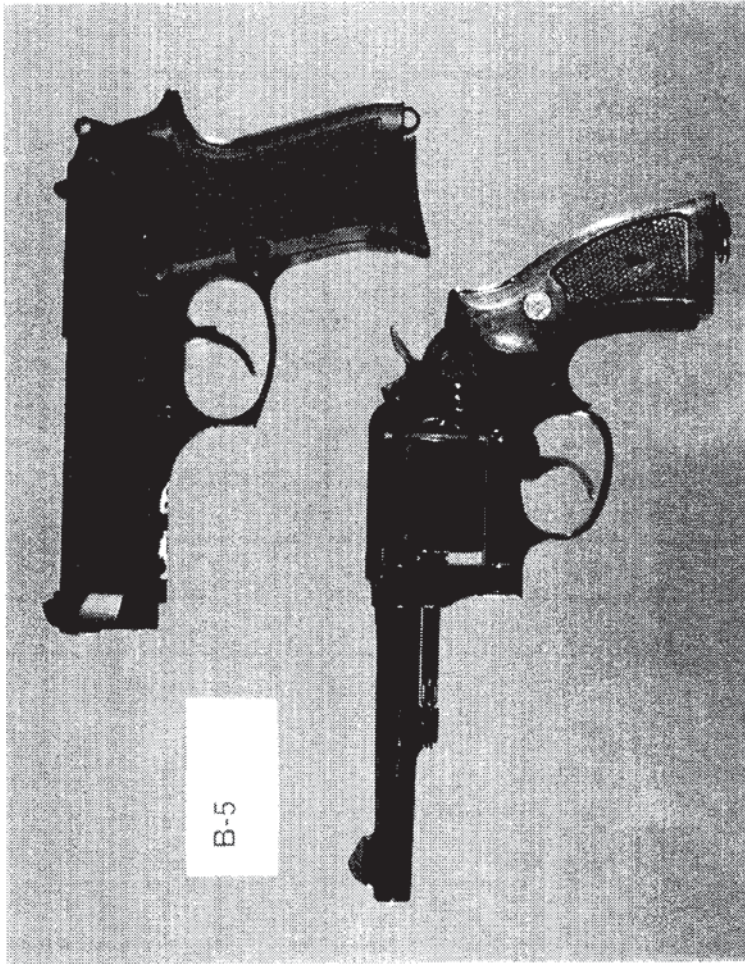
Cran de sécurité et levier de  
désarmement montés sur la  
culasse - Les tireurs  
préfèrent un pistolet à double  
action à celui-ci.

Le commentaire general était  
que la detente était très  
bonne, cependant, ils  
préfèraient un pistolet à  
double action seulement.

Plusieurs tireurs n'ont pas  
aimés la mire avant fait  
d'acier inoxydable. Ils  
auraient préfères du noir pour  
faire contraste.

Onze tireurs se sont plaints  
qu'ils avaient de la  
difficulté à remplir le  
chargeur à capacité.

Six tireurs n'ont pas aimés la  
position ni la taille de  
l'arrêtoir du chargeur.



BERETTA USA MODEL 92FS COMPACT TYPE M - 9MM.	
Manufactureur/ Fabricant	Beretta USA
Model Modèle	92FS Compact Type M
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	8
Safety Sûreté	Manual safety - decocking lever Manuelle avec levier de désarmement
Type of Action Genre d'action	Double action
Barrel length Longueur du canon	109 mm 4.29"
Overall length Longueur totale	197 mm 7.7"
Height / Hauteur	135 mm 5.3"
Width of frame Largeur de la carcasse	38 mm 1.50"
Weight Loaded Poids chargé	1,061 g 37.4 oz.
Sights / Mires	Two white dots Deux points blancs
Finish / Fini	Slide: blue Culasse: Bleu Frame: Anodized Carcasse: Anodisée
Grip / Poignée	Black plastic Plastique mat
Features Particularités	Chamber loaded Indicateur de chargement





BERETTA

MODEL/MODELE 92FS COMPACT  
TYPE M

CALIBRE: 9MM

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed / Alimentation defectueuse	1 1	Ammunition / Munitions: cc1 3D Remanufactured / remanufacturee

SHOOTER'S COMMENTS

Two shooters found the grip small and three rated it very good. Again this a compact pistol and some noted it as full size.

The majority of the shooters rated the trigger as good. Three shooters commented that they did not feel single action was appropriate for a duty pistol.

"Single Action might cause a safety hazard, however, much easier to shoot"

The majority of the shooters found the magazine difficult to load to capacity.

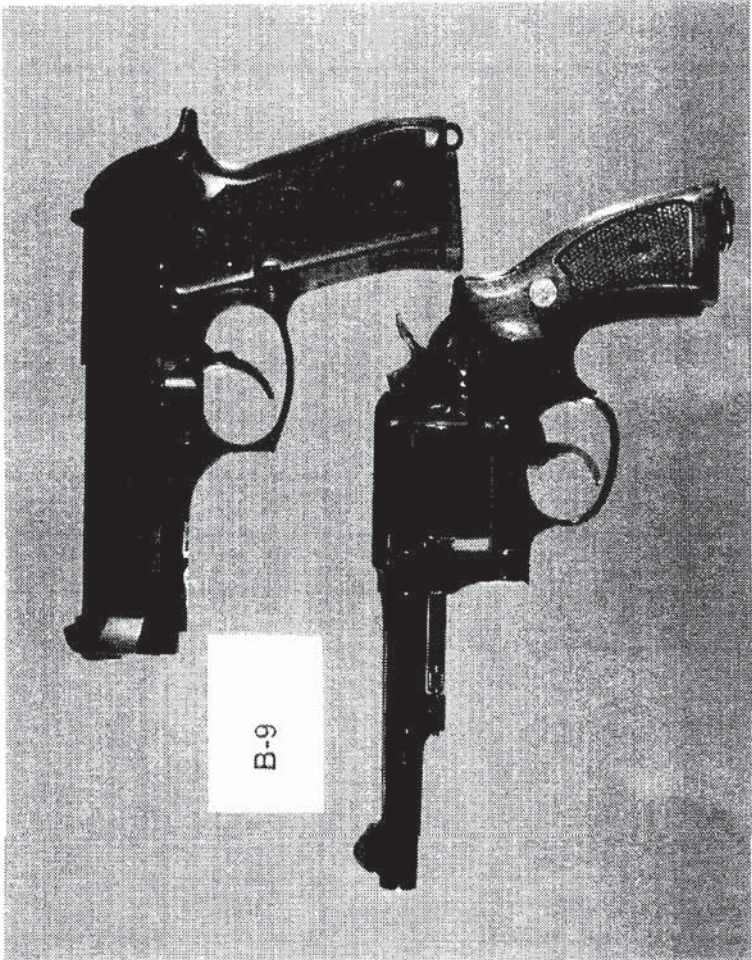
COMMENTAIRES DU TIREUR

Deux tireurs ont trouvé la poignée petite et trois l'ont évaluée comme très bonne. Encore une fois, ce pistolet est un modèle compact et quelques-uns l'ont note comme étant un modèle original.

La majorité des tireurs ont qualifiés la detente comme étant bonne. Trois tireurs ont commenté qu'ils ne pensaient pas qu'une simple action était propice à un pistolet de service.

"Simple action pourrait causer un hazard de sécurité, cependant, elle est plus facile à tirer."

La majorite des tireurs ont trouvé que le chargeur était difficile à remplir à pleine capacité.



<b>BERETTA USA MODEL 92D CENTURION - 9MM.</b>	
Manufacturer/ Fabricant	Beretta USA
Model Modèle	92D Centurion
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	109 mm 4.3"
Overall length Longueur totale	197 mm 7.7"
Height / Hauteur	135 mm 5.3"
Width of frame Largeur de la carcasse	38 mm 1.50"
Weight Loaded Poids chargé	1,061 g 37.4 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Slide: blue Culasse: bleu
Grip / Poignée	Black plastic Plastique mat
Features Particularités	Chamber-loaded indicator Indicateur de chargement

BERETTA USA MODEL/MODELE: 92D CENTURION CALIBRE: 9MM

PISTOL: B-9 HAND SIZE: 15  
 PISTOLET: B-9 GRANDEUR DE LA MAIN "B" TOTAL

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1	1	2	1	5	2	1	2
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1	6	3	4
3 GRIP/ POIGNEE					1	3	3	4	3	1
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE				1			2	8	2	2
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE							3	6	4	2
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE			1				1	4	1	7
7 TRIGGER/ DETENTE				3	2		1	4	1	1
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL					2	2	3	3	4	1
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE	1	1	2	1	2					1
10 RECOIL/ RECU					1		2	9		3
11 MUZZLE FLASH/ LUEUR DE BOUCHE	1	1			1	3	4	2	1	2
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR					1	1	2	3		3
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1	6	3	1
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						1	1	6	5	2

BERETTA USA MODEL/MODELE: 92D CENTURION CALIBRE: 9MM

PISTOL: B-9 HAND SIZE: 2  
 PISTOLET: B-9 GRANDEUR DE LA MAIN "A" TOTAL

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1				1			
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						1	1			
3 GRIP/ POIGNEE					1		1			
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE						2				
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE						1	1			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1			
7 TRIGGER/ DETENTE							2			
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL							1	1		
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE				1					1	
10 RECOIL/ RECU					1		1			
11 MUZZLE FLASH/ LUEUR DE BOUCHE						2				
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR							2			
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							2			
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	1		

BERETTA

MODEL/MODELE 92D CENTURION

CAL. 9MM

MODEL/MODELE: 92D CENTURION

CALIBRE: 9MM

PISTOLET: B-9  
 HAND SIZE: 3  
 GRANDDEUR DE LA MAIN "C": 3  
 TOTAL: 3

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR								2	1	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								1	1	1
3 GRIP/ POIGNEE							1	1	1	1
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE							1		2	
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE						1	1	1	1	
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1	1	
7 TRIGGER/ DETENTE							1	1	1	
8 SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL								1	2	
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE							1	1	1	
10 RECOIL/ RECUL								1	2	
11 MUZZLE FLASH/ LUEUR DE BOUCHE						1	1	1	1	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR								2	1	
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR								1	2	
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION								1	2	

Malfunction Défaillance	Number Nombre	Comments Commentaires
Slide closed on inserting magazine / Culasse s'est refermée lorsque le chargeur était inséré	1	
Fail to lock open on last round / N'a pas verrouillé en position ouverte sur la dernière balle	2	
Misfire / Coup raté	1	Ammunition / Munitions: Federal FMJ

SHOOTER'S COMMENTS

The only complaint was that the trigger pull **was** too long. The same people who wrote this complaint stated that the trigger is very smooth.

"Trigger seems to be long pull back."

"Trigger pull very much like the Smith & Wesson model 10."

Most evaluators rated the recoil as manageable.

Three shooters, one size A and two size B found the grip to be too large for their hands. Two size B and two size C shooters reported the fit to be very good.

The general comment was that the magazine is difficult to load.

"Loading magazines - First time loader, just needs experience."

COMMENTAIRES DU TIREUR

La seule plainte était que la force de détente était trop longue. Les mêmes personnes qui ont fait cette plainte ont indiqués que la détente est très douce.

"La détente semble être longue."

"Course de détente très semblable au modèle 10 de Smith et Wesson."

La plupart des évaluateurs ont trouvé le recul maniable.

Trois tireurs, un de taille A et deux de taille B, ont trouve la poignée trop grosse pour leurs mains. Deux de taille B et deux de taille C l'ont trouve très bonne.

Le commentaire general était que le chargeur était difficile à remplir.

"Remplissage des chargeurs - personne inexpérimentée a seulement besoin d'expérience."



<b>BERETTA USA MODEL 96D - 40 S&amp;W</b>	
Manufacturer/ Fabricant	Beretta USA
Model Modèle	96D
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	11
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only double action uniquement
Barrel length Longueur du canon	1.25 mm 4.92"
Overall length Longueur totale	217 mm 8.54"
Height / Hauteur	140 mm 5.51"
Width of frame Largeur de la carcasse	38 mm 1.50"
Weight Loaded Poids chargé	1.145 g 40.89 oz.
Sights / Mires	Three luminous dots Trois points lumineux
Finish / Fini	Slide: blue Frame: anodized Culasse: bleue Carcasse: anodisée
Grip / Poignée	Black plastic Plastique mat
Features Particularités	Chamber loaded indicator Indicateur de chargement

BERETTA USA

MODEL/MODELE: 96D

CALIBRE: 40 S. & W.

B-14  
 B-15  
 B-16

HAND SIZE

TOTAL 61

PISTOL:  
 PISTOLET:

GRANDEUR DE LA MAIN "B"

TOTAL

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	2	4	5	6	6	11	13	7	6	1
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1		2	17	25	16
3	GRIP/ POIGNEE			3		2	2	10	15	17	12
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE						1	10	18	20	13
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE			1		1	1	4	17	27	13
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE	1	1		1		2	3	5	15	6
7	TRIGGER/ DETENTE		1	4	4	2	5	11	11	17	8
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL			1		2	2	8	12	24	12
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1			1	1		1	3	16	33
10	RECOIL/ RECUIL		1		1	3	2	16	13	17	5
11	MUZZLE FLASH/ LUEUR DE BOUCHE		1	1	1		5	10	18	18	6
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR			2		2	2	5	24	19	6
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR	1	1		1		1	6	20	14	17
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1		5	5	16	19	4

BERETTA USA

MODEL/MODELE: 96D

CALIBRE: 40 S. & W.

B-14  
 B-15  
 B-16

HAND SIZE

TOTAL 6

PISTOL:  
 PISTOLET:

GRANDEUR DE LA MAIN "A"

TOTAL

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	2	1		1		1	1			
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET				2			1			3
3	GRIP/ POIGNEE			1	1			1		1	2
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE							3		2	1
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE							3			3
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1		2	1
7	TRIGGER/ DETENTE						2	1	1		2
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL							1	1	2	2
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE									2	4
10	RECOIL/ RECUIL					1	2			2	1
11	MUZZLE FLASH/ LUEUR DE BOUCHE						2		1	2	1
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR							1	2	1	2
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1		1	3
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					1	1			3	1

BERETTA USA

MODEL/MODELE 96D

CALIBRE: 40 S. & W.

BERETTA

MODEL/MODELE 96D

CALIBRE: J. & W.

B-14

HAND SIZE

24

GRANDEUR DE LA MAIN "C"

TOTAL

PISTOL: B-15

PISTOLET: B-16

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		2	2	3	1	5	2	4	1	
2	EASE OF LOADING MAGAZINE INTO PISTOL/FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						2	6	8	8	
3	GRIP/ POIGNEE					1		7	9	7	
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE						2	5	10	6	
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE						1	6	10	6	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							2	2	3	
7	TRIGGER/ DETENTE				1	1		4	5	6	7
8	SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL						1	2	6	8	7
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1							1	2	12
10	RECOIL/ RECU					2	1	5	6	8	2
11	MUZZLE FLASH/ LUEUR DE BOUCHE				1		2	1	9	9	2
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR					1		4	4	10	5
13	EASE OF MAGAZINE REMOVAL/FACILITE D'ENLEVER LE CHARGEUR						1	3	6	7	7
14	OVERALL EASE OF OPERATION/FACILITE D'UTILISATION							3	5	9	7

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed / Alimentation défectueuse	9	Ammunition / Munitions: American Eagle
Trigger will not recover/ Détonne ne récupère pas	1	Cleared-cleaned and did not re-occur/Claire et nettoyé; le problème ne s'est pas répété.
Slide closed on insertion of magazine / Culasse referme en insérant le chargeur	1	

SHOOTER'S COMMENTS

All shooters found the trigger pull very smooth, although some shooters from all sizes reported the pull to be long.

The biggest complaint with this pistol was the difficulty in loading the rounds into the magazine. All found the last few rounds very difficult to load.

**NOTE:** The majority of the shooters had no experience with semi-automatic pistols and, therefore, lacked the mechanical dexterity that comes with practice in loading these magazines. We suggest that magazine loaders be supplied to assist the shooters in loading.

Many shooters found the recoil heavy and difficult to recover from during rapid fire. This was consistent throughout all sizes of hands.

The same persons with size A hands that complained of heavy recoil found the pistol too large for their hands.

COMMENTAIRES DU TIREUR

Tous les tireurs ont trouvé la force de détente très douce, mais quelques tireurs des trois tailles l'ont trouvée longue.

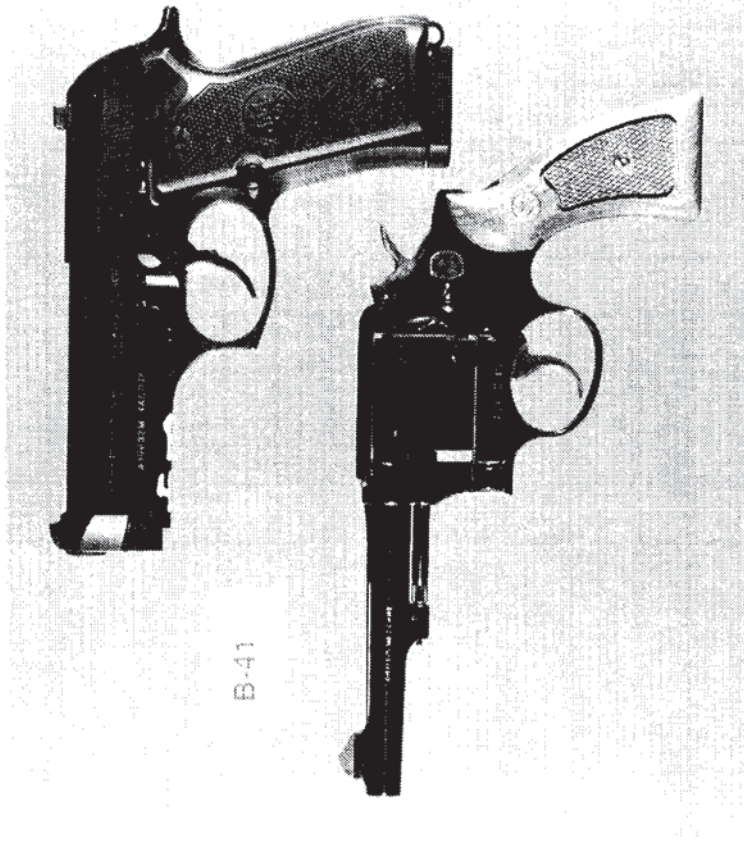
La plus grande plainte concernant ce pistolet était que le chargeur est très difficile à remplir. Tous ont trouvé les dernières balles très difficiles à charger.

**NOTA:** La majorité des tireurs ne possédaient aucune expérience avec les pistolets semi-automatiques, alors ces personnes manquaient d'habileté mécanique qu'on gagne avec la pratique en remplissant ces chargeurs. Nous suggérons que des remplisseurs de chargeurs soient fournis afin d'assister les tireurs avec le remplissage.

Plusieurs tireurs avaient de la difficulté à récupérer du recul durant le tir rapide. Ceci était consistant avec tous les tailles de mains.

Les mêmes personnes de taille A qui se sont plaints du recul fort, ont trouvé que le pistolet était trop gros pour leurs mains.

BERETTA USA MODEL 96D CENTURION - 40 S&W	
Manufacturer/ Fabricant	Beretta USA
Model Modèle	96D Centurion
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	11
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	109 mm 4.3"
Overall length Longueur totale	217 mm 8.54"
Height / Hauteur	140 mm 5.51"
Width of frame Largeur de la carcasse	38 mm 1.50"
Weight Loaded Poids chargé	1,145 g 40.89 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Slide: blue Culasse: bleue Frame: anodized Carcasse: anodisée
Grip / Poignée	Black plastic Plastique mat
Features Particularités	Chamber-loaded indicator Indicateur de chargement





BERETTA USA

MODEL/MODELE: 96D CENTURION CALIBRE: 40 S. & W.

PISTOL:  
PISTOLET: B-41

HAND SIZE  
GRANDEUR DE LA MAIN "C" TOTAL

4

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1	1	1		1	
2	EASE OF LOADING MAGAZINE INTO PISTOL / FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET									1	3
3	GRIP/ POIGNEE							1		1	2
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE								1	1	2
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE						1		1		2
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE									2	1
7	TRIGGER/ DETENTE							1		1	1
8	SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL								1	1	2
9	SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE										4
10	RECOIL/ RECUIL								2	2	
11	MUZZLE FLASH/ LUEUR DE BOUCHE							1		3	
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR								1	1	1
13	EASE OF MAGAZINE REMOVAL / FACILITE D'ENLEVER LE CHARGEUR							1			3
14	OVERALL EASE OF OPERATION / FACILITE D'UTILISATION								1	2	1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Slide did not lock open after last round / Culasse ne s'est pas sécurisée en position ouverte après le dernier coup	1 3	Ammunition / Munitions: American Eagle Winchester Ranger
Trigger failed to recover/ Detente ne récupère pas	1	
Fail to feed / Alimentation défectueuse	1	Ammunition / Munitions: American Eagle
Slide closed on insertion of magazine / Culasse referme en insérant le chargeur	2	

SHOOTER'S COMMENTS

The general comment was that the trigger pull is long but smooth.

The evaluators were almost equally divided in rating the recoil as "excessively heavy" to being "manageable".

The majority of shooters in all sizes found the grip to be a good fit to the hand.

The most consistent complaint was that the shooters had difficulty in loading the magazine to capacity.

COMMENTAIRES DU TIREUR

Le commentaire générale était que la force de la detente était longue, mais douce.

Les évaluateurs était presque également divisés en qualifiant le recul d'excessivement fort" à "maniable".

La majorité des tireurs ont trouvé que la poignée s'adaptait bien à leurs mains.

La plainte la plus consistante était que les tireurs éprouvaient de la difficulté à remplir le chargeur à capacité.

## **ARMOURER'S COMMENTS / COMMENTAIRES DE L'ARMURIER**

### **PREFACE**

Overall, the 9 x 19 mm pistols were not as prone to malfunctions or to mechanical failures as the .40 S & W pistols.

We have found that some of the small springs in semi-automatic pistols are best changed as a matter of routine maintenance. Extractor springs, firing pin springs, and trigger return springs should be changed at 5000 round intervals. We will be more specific in regards to maintenance on certain pistols.

### **AVANT-PROPOS**

En g&&al, les pistolets 9 x 19 mm n'étaient pas autant prédisposés aux défaillances ou défauts mécaniques que les pistolets .40 S & W.

Nous avons d&etermine que certains ressorts dans les pistolets semi-automatiques devraient être remplacés comme mesure d'entretien routinière. Le ressort de l'extracteur, le ressort du percuteur et le ressort de rappel de la détente devraient être changés à tous les cinq mille coups. Nous serons plus spécifique en ce qui concerne l'entretien de certains pistolets.

**MECHANICAL FAILURE**

Full-size model, .40 S. & W.

1. Firing pin safety lever Detent Pin  
The staking around the pm gave way permitting pin lever to fall out at 5479 rounds.
2. The disassembling latch broke at approximately 6500 rounds.
3. The trigger return spring broke at 8264 rounds.
4. The barrel lug broke at 8927 rounds.

**Full-size model, 9mm**

1. The disassembling latch broke at 8480 rounds.
2. The trigger return spring broke at 9680 rounds.

**DÉFAILLANCE MÉCANIQUE**

Modèle original, .40 S. & W.

1. Poussoir du verrou du percuteur  
matage de la goupille s'est défait permettant la goupille de tomber à 5,479 coups.
2. Le clef de démontage s'est brisée à environs 6,500 coups.
3. Le ressort de rappel de la detente s'est brisé à 8,264 coups.
4. Le tenon du canon-verrou S'est brisé à 8,927 coups.

**Modèle original, 9 mm**

1. La clef de démontage s'est brisée à 8,480 coups.
2. Le ressort de rappel de la detente s'est brisé à 9,680 coups.

**Compact Model, 9 mm**

1. The locking block lug broke at 9853 rounds.

**SUGGESTED MAINTENANCE**

Replacement of:

the trigger return springs, the disassembling latch and the locking block at 5000 rounds.

**Modèle compact, 9 mm**

1. Le tenon du canon-verrou s'est brisé à 9,853 coups.

**L'ENTRETIEN SUGGÉRÉ**

Remplacement du:

ressort de rappel de la détente, de la clef de démontage et du canon-verrou à 5,000 coups.

## Section III - Strum Ruger

MANUFACTURER MANUFACTURIER	MODEL MODÉLE	CALIBER CALIBRE	# ROUNDS COUPS	PISTOL # PISTOLET #
STRUM RUGER	P89 DAO	9 MM.	890	C-46
			600	C-47
	P91 DAO	.40 S. & W.	900	C-20
			756	C-23
	P93 DAO	9 MM.	700	C-30
			645	C-32
<b>TOTAL / TOTALE</b>			<b>4,491</b>	



**STRUM RUGER MODEL P89 DAO - 9MM.**

Manufacturer/ Fabricant	Strum Ruger
Model Modèle	P89 DAO
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	114 mm 4.5"
Overall length Longueur totale	196 mm 7.75"
Height / Hauteur	146 mm 5.75"
Width of frame Largeur de la carcasse	34 mm 1.34"
Weight Loaded Poids chargé	1,101 g 38.8 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Stainless steel Acier inoxydable
Grip / Poignée	Black plastic Plastique mat

STRUM RUGER MODEL/MODELE: P89-DAO CALIBRE: 9MM

PISTOL: C-46 HAND SIZE  
 PISTOLET: C-47 GRANDEUR DE LA MAIN "B" TOTAL 9

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1		1	3	2	1		1
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1	1	2	3	2	
3 GRIP/ POIGNEE		1				1	1	3	3	
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE					1	1	2	2	3	
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE				1	1	1	1	2	3	
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1			
7 TRIGGER/ DETENTE			1		1	1	4	1		1
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL				1		1	2	2	3	
9 SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1	1					4			1
10 RECOIL/ RECU					1	1	2	2	3	
11 MUZZLE FLASH/ LUEUR DE BOUCHE				2	2	1	1			3
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR		4		1	3		1			
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							3	1		1
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1	1		4	2		1

STRUM RUGER MODEL/MODELE: P89-DAO CALIBRE: 9MM

PISTOL: C-46 HAND SIZE  
 PISTOLET: C-47 GRANDEUR DE LA MAIN "A" TOTAL 1

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR								1		
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1			
3 GRIP/ POIGNEE							1			
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE							1			
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE							1			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1			
7 TRIGGER/ DETENTE							1			
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL							1			
9 SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE			1							
10 RECOIL/ RECU							1			
11 MUZZLE FLASH/ LUEUR DE BOUCHE							1			
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR					1					
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1			
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1			

STRUM RUGER

MODEL/MODELE: P89-DAO

CALIBRE: 9MM

PISTOL: C-46

HAND SIZE

6

PISTOLET: C-47

GRANDEUR DE LA MAIN "C"

TOTAL

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						1	4			1
2	EASE OF LOADING MAGAZINE INTO PISTOL / FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET		1						1	3	1
3	GRIP/ POIGNEE					2		1	1	2	
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE							1	3	2	
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE					1		1	2	2	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						1				
7	TRIGGER/ DETENTE	1						1		3	1
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL				1		1	1		3	
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE			1	1		1		2		
10	RECOIL/ RECUL							1	2	1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE	1								1	1
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	1			1		4				
13	EASE OF MAGAZINE REMOVAL / FACILITE D'ENLEVER LE CHARGEUR	1			1		3	1			
14	OVERALL EASE OF OPERATION / FACILITE D'UTILISATION				1				3	1	

STRUM RUGER

MODEL/MODELE P89 DAO

CALIBRE: 9MM

<b>Malfunction Défaillance</b>	<b>Number Nombre</b>	<b>Comments Commentaires</b>
Misfire / Coup rate	1	Did not fire on- first strike; went on second try. / N'a pas parti au premier essaie; fonctionné la deuxième fois.

SHOOTER'S COMMENTS

The magazine release was disliked by almost all shooters and rated in one case below the scale. One shooter's comment; "Such magazine release is useless for operational work."

The trigger pull was found hard and long by shooters in Sizes B and C.

Two shooters found the magazine difficult to load.

COMMENTAIRES DU TIREUR

L'arrêteur du chargeur n'était pas aimé de la plupart des tireurs, et dans un cas, on lui a donné une cote au-dessous de la chatye. Un tireur a commenté "Un tel arrêteur de chargeur est inutile pour le travail opérationnel."

Les tireurs de grandeurs B et C ont trouvé la détente dure et longue.

Deux tireurs ont trouvé le chargeur difficile à remplir.



<b>STRUM RUGER MODEL P91 DAO - 40 S&amp;W</b>	
Manufacturer/ Fabricant	Strum Ruger
Model Modèle	P91 DAO
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	11
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	114 mm 4.5"
Overall length Longueur totale	196 mm 7.75"
Height / Hauteur	146 mm 5.75"
Width of frame Largeur de la carcasse	34 mm 1.34"
Weight Loaded Poids chargé	1,101 g 38.8 oz.
Sights / Mires	Three luminous dots Trois points lumineux
Finish / Fini	Stainless steel / Acier inoxydable
Grip / Poignée	Black plastic Plastique mat

STRUM RUGER MODEL/MODELE: P91-DAO CALIBRE: 40MM

PISTOL: C-20 HAND SIZE C-23  
 PISTOLET: C-23 GRANDEUR DE LA MAIN "B" TOTAL 12

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			2		1	1	1	1	2	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET			1			3	2	3	2	1
3 GRIP/ POIGNEE				2	2	1	3	2	2	2
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE					1	3	1	6		
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE			2	2	2	2	3	1		
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE					1	1	1			
7 TRIGGER/ DETENTE					1	1	3	3	1	1
8 SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL					1		1	4	1	5
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE								1	2	3
10 RECOIL/ RECU					2	2	2	6		
11 MUZZLE FLASH/ LUEUR DE BOUCHE						2	1	1	3	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR			1		3	1	2	1	2	1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR					1	1	2	4	1	2
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					1	1	2	1	3	2

STRUM RUGER MODEL/MODELE: P91-DAO CALIBRE: 40MM

PISTOL: C-20 HAND SIZE C-23  
 PISTOLET: C-23 GRANDEUR DE LA MAIN "A" TOTAL 3

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		1		1					1	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					2			1		
3 GRIP/ POIGNEE		1		1						
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE						3				
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE		1	1							
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1		1				
7 TRIGGER/ DETENTE				1	1		1			
8 SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL				1	1			1		
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE										3
10 RECOIL/ RECU		1				1	1			
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1				2		
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR		1			1					
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR			1			1	1			
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION			1		1		1			

PISTOL: C-20 HAND SIZE 3  
 PISTOLET: C-23 GRANDEUR DE LA MAIN "C" TOTAL

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1	1		1				
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						1	2			
3 GRIP/ POIGNEE						1	2			
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE						1	2			
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE				1	1		1			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1			
7 TRIGGER/ DETENTE					2			1		
8 SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL							1	2		
9 SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE								1		
10 RECOIL/ RECHUI							2	1		
11 MUZZLE FLASH/ LUEUR DE BOUTCHE					1		1	1	1	
12 MAGAZINE RELEASE BUTTON/ ARRETTOIR DU CHARGEUR						3				
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR					1		1	1		
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						2		1		

Malfunction Défaillance	Number Nombre	Comments Commentaires
Failure to feed/ Alimentation défectueuse	2	
Slide forward when inserting magazine / Glisse en avant lorsque le chargeur est insérer	6	
Magazine released during fire / Chargeur s'est dégagé en faisant feu	1	
Fail to extract/ Ejection défectueuse	1	Case 1/2 way out of chamber/Douille à moitié sortie de la chambre.

SHOOTER'S COMMENTS

The magazine release was disliked by almost all shooters. A few had difficulties in inserting the magazine in the gun.

Six shooters Size B found the trigger pull hard and long.

Most shooters commented on difficulties in loading magazine. One shooter was concerned about the sharpness of the magazine edge.

Six Size B shooters and one Size C shooter found the recoil heavy, and one shooter felt that in a rapid-fire situation, recovery time would slow him down.

Two shooters Size A found the gun too big for their hands.

COMMENTAIRES DU TIREUR

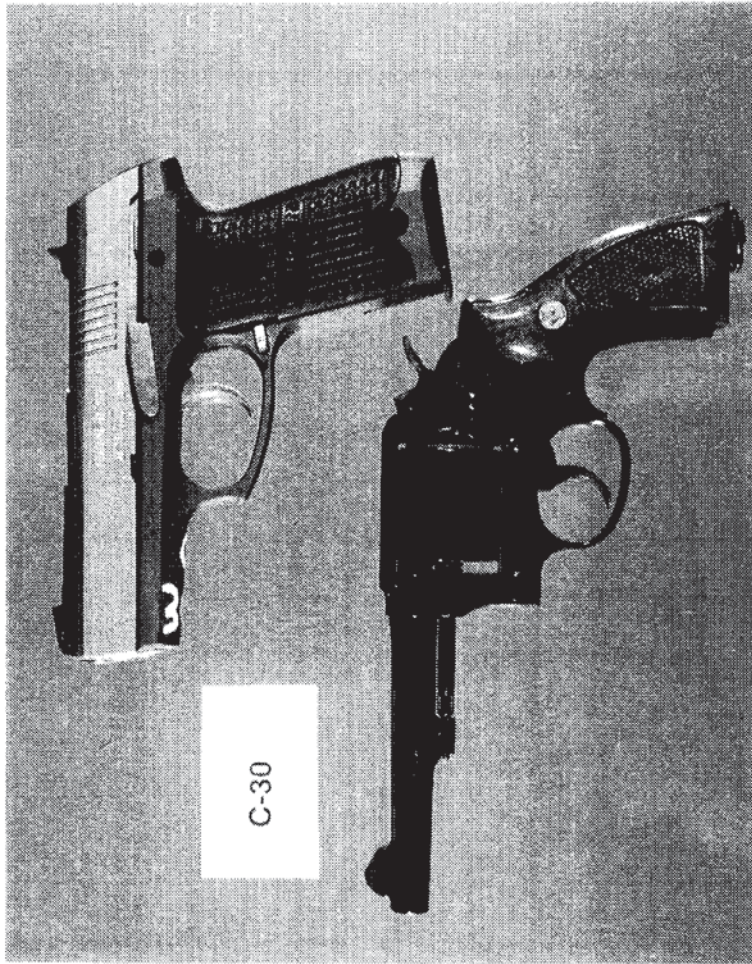
La majorité des tireurs n'ont pas aimé l'arrêteur du chargeur, et quelques uns ont eu de la difficulté à insérer le chargeur dans le pistolet.

Six tireurs de grandeur B ont trouvé que le tir de la détente était dur et long.

La plupart des tireurs ont commenté qu'ils avaient de la difficulté à remplir le chargeur. Un tireur était concerné que le chargeur était tranchant du bord.

Six tireurs de grandeur B et un tireur de grandeur C ont trouvé que le recul était fort, et un tireur était de l'avis que ceci lui nuirait dans une situation de tir rapide.

Deux tireurs de grandeur A ont trouvé le pistolet trop gros pour leurs mains.



**STRUM RUGER MODEL P93 DAO - 9MM.**

Manufacturer/ Fabricant	Strum Ruger
Model Modèle	P93 DAO
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	114 mm 4.5"
Overall length Longueur totale	196 mm 7.75"
Height / Hauteur	146 mm 5.75"
Width of frame Largeur de la carcasse	34 mm 1.34"
Weight Loaded Poids chargé	1,101 g 38.8 oz.
Sights / Mires	Three luminous dots Trois points lumineux
Finish / Fini	Stainless steel Acier inoxydable
Grip / Poignée	Black plastic Plastique noir

STRUM RUGER MODEL/MODELE: P93-DAO CALIBRE: 9MM

PISTOL: C-30 HAND SIZE  
 PISTOLET: C-32 GRANDEUR DE LA MAIN "B" TOTAL 7

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		1	1	1						
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET		1	1	1	1	1	1	1	1	
3	GRIP/ POIGNEE		1	2	2			1	1		
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE			1	1	1	1	1	1	1	
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE			1	4					2	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE			1	2					1	
7	TRIGGER/ DETENTE		3		1		1	1	1	1	
8	SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE-NORMAL			1	1	2	2	1			
9	SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE		2	1	2						
10	RECOIL/ RECU			1			2	1	2		
11	MUZZLE FLASH/ LUEUR DE BOUCHE				1	1	2	3			
12	MAGAZINE RELEASE BUTTON/ ARRETTOIR DU CHARGEUR		2	3					1	1	
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		1	3	1				1	1	
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION		2		1	2	2				

STRUM RUGER MODEL/MODELE: P93-DAO CALIBRE: 9MM

PISTOL: C-30 HAND SIZE  
 PISTOLET: C-32 GRANDEUR DE LA MAIN "A" TOTAL 1

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						1				
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1			
3	GRIP/ POIGNEE								1		
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE								1		
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE					1					
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1		
7	TRIGGER/ DETENTE									1	
8	SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE-NORMAL								1		
9	SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE		1								
10	RECOIL/ RECU									1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE										
12	MAGAZINE RELEASE BUTTON/ ARRETTOIR DU CHARGEUR		1								
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		1								
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION								1		

PISTOL: C-30 HAND SIZE 4  
 PISTOLET: C-32 GRANDEUR DE LA MAIN "C" TOTAL 4

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1		1	1			1
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1	1	1	1		1
3 GRIP/ POIGNEE			1	1			2			
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE					1	1	1	1		
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE							1	2		1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1		
7 TRIGGER/ DETENTE				1	2	1				
8 SIGHT'S NORMAL LIGHT/ MIRE'S ECLAIRAGE NORMAL					1			1	1	
9 SIGHT'S LOW LIGHT/ MIRE'S ECLAIRAGE FAIBLE								1		
10 RECOIL/ RECOIL						1	1	1	1	
11 MUZZLE FLASH/ LUEUR DE BOUTCHE					1	1		1	1	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR						1			1	
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1		1	
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	1	1	1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Failure to feed/ Alimentation défectueuse	1	slide not fully forward / Culasse pas complètement avancée
Slide forward when inserting magazine / Glisse en avant lorsque le chargeur est insérer	1	
Magazine dropped during firing/ Chargeur s'est délogé en faisant feu	5	
Failed to fire / Raté le tir	1	Shot fired on second try / Coup réussi au deuxième essaie

STRUM RUGER

MODEL/MODELE P93 DAO

CALIBRE: 9MM

SHOOTER'S COMMENTS

The magazine release was disliked and found difficult to operate by most shooters.

The trigger pull was found long and heavy by many shooters Sizes B and C.

Two shooters Sizes B and C found the recoil heavy.

Two shooters sizes B found the gun big for their hand.

Difficulties in loading magazine was expressed by many shooters.

COMMENTAIRES DU TIREUR

L'arrêteoir du chargeur n'était pas aimé et selon la plupart des tireurs, était difficile à opérer.

Plusieurs tireurs de grandeur B et C ont trouvé la détente longue et dure.

Deux tireurs de grandeur B et C ont trouvé le recul lourd.

Deux tireurs de grandeur B ont trouvé le pistolet trop gros pour leurs mains.

Beaucoup de tireurs ont exprimé de la difficulté à remplir le chargeur.

## **ARMOURER'S COMMENTS / COMMENTAIRES DE L'ARMURIER**

### **PREFACE**

Overall, the 9 x 19 mm pistols were not as prone to malfunctions or to mechanical failures as the .40 S & W pistols.

We have found that some of the small springs in semi-automatic pistols are best changed as a matter of routine maintenance. Extractor springs, firing pin springs, and trigger return springs should be changed at 5000 round intervals. We will be more specific in regards to maintenance on certain pistols.

### **AVANT-PROPOS**

En général, les pistolets 9 x 19 mm n'étaient pas autant predisposes aux defaillances ou defauts mecaniques que les pistolets .40 S & W.

Nous avons determine que certains ressorts dans les pistolets semi-automatiques devraient être remplacés comme mesure d'entretien routinière. Le ressort de l'extracteur, le ressort du percuteur et le ressort de rappel de la detente devraient être changes à tous les cinq milles coups. Nous serons plus spécifique en ce qui concerne l'entretien de certains pistolets.

## STRUM RUGER

### **MECHANICAL FAILURE**

The recoil guide rod is made of an alloy material and displayed excessive wear after 500 rounds. These guide rods interfered with the operation of the slide and led to malfunctions.

**NOTE:** The ejector must be pushed down into the magazine well to assemble or disassemble the slide to the pistol. Many persons forget to do this and find field stripping and re-assembly difficult. Care should be taken when pushing the ejector down when the slide is on the pistol as the slide is under spring tension. Injury could result if the finger is caught when the slide moves forward.

### **DÉFAILLANCE MÉCANIQUE**

La tige guide du ressort récupérateur est en alliage; l'usure excessive est visible après cinq cents coups. Ces tiges guides interferaient avec l'opération de la culasse et ont menés aux défaillances.

**NOTA:** L'éjecteur doit être bien poussée dans le puits d'alimentation pour démonter ou remonter la culasse sur le pistolet. Plusieurs personnes l'oublent et ceci cause de la difficulté à démonter et remonter l'arme. Il faut faire attention lorsqu'on pousse l'éjecteur vers le bas si la culasse est sur le pistolet car celle-ci est sous la pression du ressort. Une blessure au doigt pourrai résulté si la culasse glissait en avant.

It became apparent very early in the testing that the evaluators were avoiding the Ruger pistols. Their comments both written and verbally to the Armourers who were supervising the test were as follows:

1. The location and operation of the magazine release was considered to be a problem.
2. Trigger pull was long, heavy, and inconsistent.
3. The pistol is very large and Size A shooters were reluctant to complete the evaluation.
4. The magazines were difficult to load.
5. Recoil was considered heavy by the majority of evaluators.

In view of the foregoing, we did not test this pistol beyond the 1000 round limit for each model.

Il est devenu évident tout de suite dans l'évaluation que les évaluateurs évitaient les pistolets Ruger. Leurs commentaires, écrits et verbaux aux armuriers qui surveillaient l'évaluation, étaient comme suit:

1. La position et l'opération de l'arrêteur du chargeur était considéré un problème.
2. La course de la détente était longue, lourde, et inconsistante.
3. Le pistolet est très gros et les tireurs de grandeur A étaient réticents de compléter l'évaluation.
4. Les chargeurs étaient difficiles à remplir.
5. La majorité des évaluateurs ont considérés que le recul était fort.

Étant donné ces commentaires, nous n'avons pas évalué ce pistolet dépassé la limite de mille coups par modèle.

## Section IV - Sig Sauer

MANUFACTURER MANUFACTURIER	MODEL MODÈLE	CALIBER CALIBRE	# ROUNDS COUPS	PISTOL # PISTOLET #
SIG SAUER	P225	9 MM.	1,034	D-6
			820	D-7
	P226	9 MM.	1,730	D-13
			1,400	D-12
			1,500	D-14
	P228	9 MM.	9,823	D-23
			1,400	D-26
			1,000	D-27
	P229	40 S. & W.	9,566	D-30
			2,250	D-31
<b>TOTAL / TOTALE</b>			<b>30,523</b>	



**SIG SAUER MODEL P225 - 9MM.**

Manufacturer/ Fabricant	Sig Sauer
Model Modèle	P225
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	8
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	98 mm 3.86"
Overall length Longueur totale	180 mm 7.08"
Height / Hauteur	131 mm 5.15"
Width of frame Largeur de la carcasse	34 mm 1.34"
Weight Loaded Poids chargé	912 g 32.2 oz.
Sights / Miras	Three white dots Trois points blancs
Finish / Fini	Slide: blue Culasse: bleue Frame: anodized Carcasse: anodisée
Grip / Poignée	Black plastic Plastique mat

SIG SAUER

MODEL/MODELE: P225

CALIBRE: 9MM

PISTOL: D-6

HAND SIZE

PISTOLET: D-7

GRANDEUR DE LA MAIN "A"

TOTAL 2

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1		1					
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							2			
3 GRIP/ POIGNEE						2				
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE						2				
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE						1	1			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE										
7 TRIGGER/ DETENTE										
8 SIGHTS NORMAL LIGHT/ MIRE/ECLAIRAGE NORMAL										
9 SIGHTS LOW LIGHT/ MIRE/ECLAIRAGE FAIBLE	1	1								
10 RECOIL/ RECUL					2					
11 MUZZLE FLASH/ LUEUR DE BOUCHE			1			1				
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR					1			1		
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						1			1	
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	1		

SIG SAUER

MODEL/MODELE: P225

CALIBRE: 9MM

PISTOL: D-6

HAND SIZE

PISTOLET: D-7

GRANDEUR DE LA MAIN "B"

TOTAL 13

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	1			1	1					
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						1		4	0	1
3 GRIP/ POIGNEE				1		2	3	2	2	3
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE							3	1	4	1
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE				1		3	1	3	3	1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						1	2	1	2	
7 TRIGGER/ DETENTE		1	2	1	1			2	2	2
8 SIGHTS NORMAL LIGHT/ MIRE/ECLAIRAGE NORMAL							3	1	4	3
9 SIGHTS LOW LIGHT/ MIRE/ECLAIRAGE FAIBLE				1	1	1	2		2	1
10 RECOIL/ RECUL						3	1	3	2	4
11 MUZZLE FLASH/ LUEUR DE BOUCHE						1	2	4	1	3
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR				2	1			3	3	1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR	1						3	1	3	5
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						1		4	6	2

SIG SAUER

MODEL/MODELE: P225

CALIBRE: 9MM

PISTOL: D-6

HAND SIZE

PISTOLET: D-7

GRANDEUR DE LA MAIN "C"

TOTAL 5

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		1	1	1				1	1	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET				1	2				2	
3 GRIP/ POIGNEE				1	2				2	
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE		1		1				3		
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE		1		1	1			2		
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1	1					
7 TRIGGER/ DETENTE				1			2	1	1	
8 SIGHTS NORMAL LIGHT/ VIBES/ECLAIRAGE NORMAL								2	3	
9 SIGHTS LOW LIGHT/ VIBES/ECLAIRAGE FAIBLE								2	1	1
10 RECOIL/ RPECUL						1		3	1	
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1			1		2	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR		1		1			1	1		1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		1					1	2		1
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1			1	1	1	1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed / Alimentation defectueuse	1 1	Ammunition / Munitions: ccl - Tipped nose up/pivoté poinant vers le haut American Eagle

SHOOTER'S COMMENTS

A few of the shooters, Sizes B and C, commented on the grip being uncomfortable and having difficulties in gripping it.

Most shooters found the trigger pull very heavy.

A few shooters, Sizes A, B and C, had problems with the magazine release.

The loading of the magazine was difficult for a few.

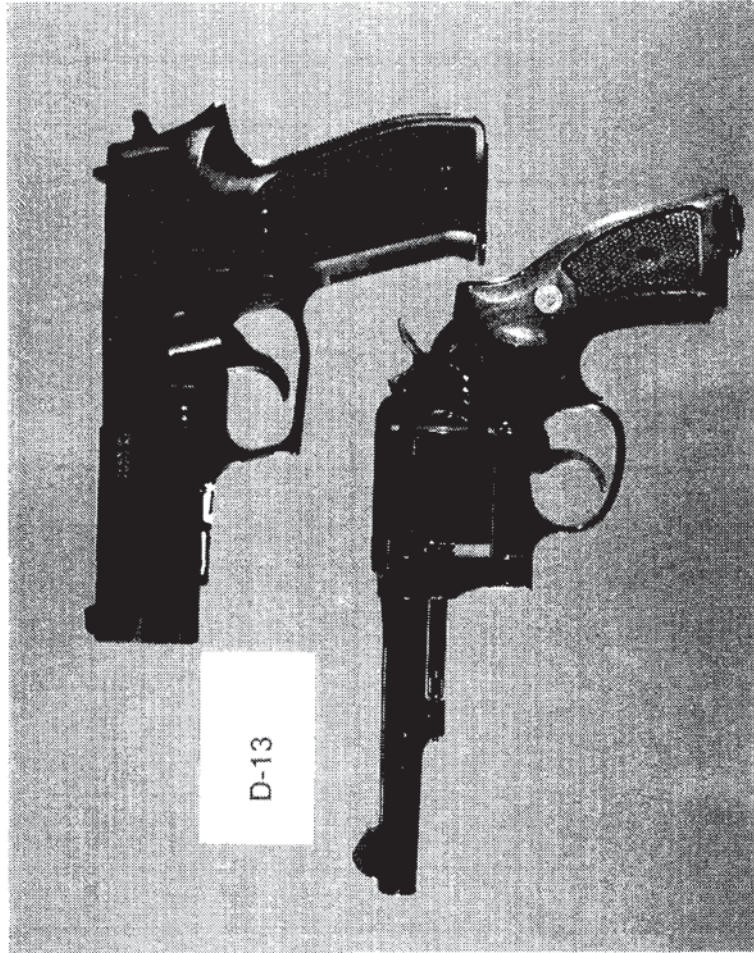
COMMENTAIRES DU TIREUR

Quelques-uns des tireurs de grandeurs B et C ont commenté que la poignée était inconfortable et qu'ils avaient de la difficulté à la tenir.

La plupart des tireurs ont trouvé la force de détente très lourde.

Quelques tireurs de grandeurs A, B et C ont eu de la difficulté avec l'arrêteur du chargeur.

Quelques uns ont eu de la difficulté à remplir le chargeur.



**SIG SAUER MODEL P226 -9MM.**

Manufacturer/ Fabricant	Sig Sauer
Model Modèle	P226
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	112 mm 4.41"
Overall length Longueur totale	180 mm 7.08"
Height / Hauteur	139 mm 5.47"
Width of frame Largeur de la carcasse	37 mm 1.46"
Weight Loaded Poids chargé	1,069 g 37.7 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Slide: blue Culasse: bleue Frame: anodized Carcasse: anodisée
Grip / Poignée	Black plastic Plastique mat

SIG SAUER

MODEL/MODELE: P226

CALIBRE: 9MM

D-12

D-13 HAND SIZE

TOTAL 4

PISTOL: D-13  
 PISTOLET: D-14 GRANDEUR DE LA MAIN "A"

SIG SAUER

MODEL/MODELE: P226

CALIBRE: 9MM

D-12

D-13 HAND SIZE

TOTAL 34

PISTOL: D-13  
 PISTOLET: D-14 GRANDEUR DE LA MAIN "B"

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		1					1			2
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							2			2
3	GRIP/ POIGNEE			2					2		
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE							2			2
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE						1		1		2
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE									1	2
7	TRIGGER/ DETENTE					2			1		1
8	SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL									3	1
9	SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE				1	1				1	1
10	RECOIL/ RECUL				1	1			1		1
11	MUZZLE FLASH/ LUEUR DE BOUCHE						1	1	1		2
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR				1			1			2
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR								3		1
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						1	1	1	1	1

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1	1	1	1	1	1	1	7
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						2	6	10	6	10
3	GRIP/ POIGNEE			2	3		1	7	7	9	5
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE			1			3	2	4	11	8
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE			1	3	2	4	6	9	6	3
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE									3	7
7	TRIGGER/ DETENTE			5	5	3	2	3	2	5	3
8	SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL			1	3	1	3	4	7	6	7
9	SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE			7	2	2	2	2	5	3	3
10	RECOIL/ RECUL						2	4	1	9	8
11	MUZZLE FLASH/ LUEUR DE BOUCHE			1	1	2	2	4	8	7	6
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR					1	4	7	6	11	5
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						2	2	9	10	11
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1	3	4	8	9	8	1

SIG SAUER MODEL/MODELE P-226 DAO CAL. 9MM

SIG SAUER MODEL/MODELE: P226 CALIBRE: 9MM

D-12 HAND SIZE  
 D-13 GRANDEUR DE LA MAIN "C"  
 D-14 TOTAL

8

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			2				2	2	1	1
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							2	3		3
3 GRIP/ POIGNEE				1		2	1	1	2	1
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE				1			1	1	3	1
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE		1	1		2	1	1			2
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1		1	1
7 TRIGGER/ DETENTE		1	2				1			1
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL						1	3	1	1	2
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE		2		1				1	1	1
10 RECOIL/ RECU				1			4	1	2	
11 MUZZLE FLASH/ LUEUR DE BOUCHE					1	1	2	1	3	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR							1	3	2	2
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							2	1	2	3
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1	2	1	1	1	2	1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to lock open on last round / N'a pas sécurisé en position ouverte après le dernier coup	2	
Misfire / Coup raté	1	
Slide closed on loading / Culasse s'est fermée lors du remplissage	1	

SHOOTER'S COMMENTS

Shooters sizes A and a few Size B found the grip to be too large.

Almost every shooter commented on the heavy trigger pull.

"Felt fatigue in trigger finger after 30 rounds"

"Heaviness of trigger pull made it a difficult gun to shoot accurately."

"Very good gun except for the trigger pull."

"Almost impossible to fire with weak hand."

"Didn't feel comfortable due to poor trigger control."

Heavy recoil was commented on by 4 shooters, Size B.

**NOTE:** This model is available also in double/single action with decocking lever. That is the original design; in that configuration the trigger pull is different and a lot easier. It is obvious that in the double-action only, the trigger is considered a problem.

COMMENTAIRES DU TIREUR

Des tireurs de grandeur A et quelques grandeurs B ont trouvé la poignée trop grosse.

Presque tous les tireurs ont commenté du fait que la detente était lourde.

"Senti la fatigue dans l'index après 30 coups."

"La detente prononcée a fait que c'était une arme difficile à tirer précisément."

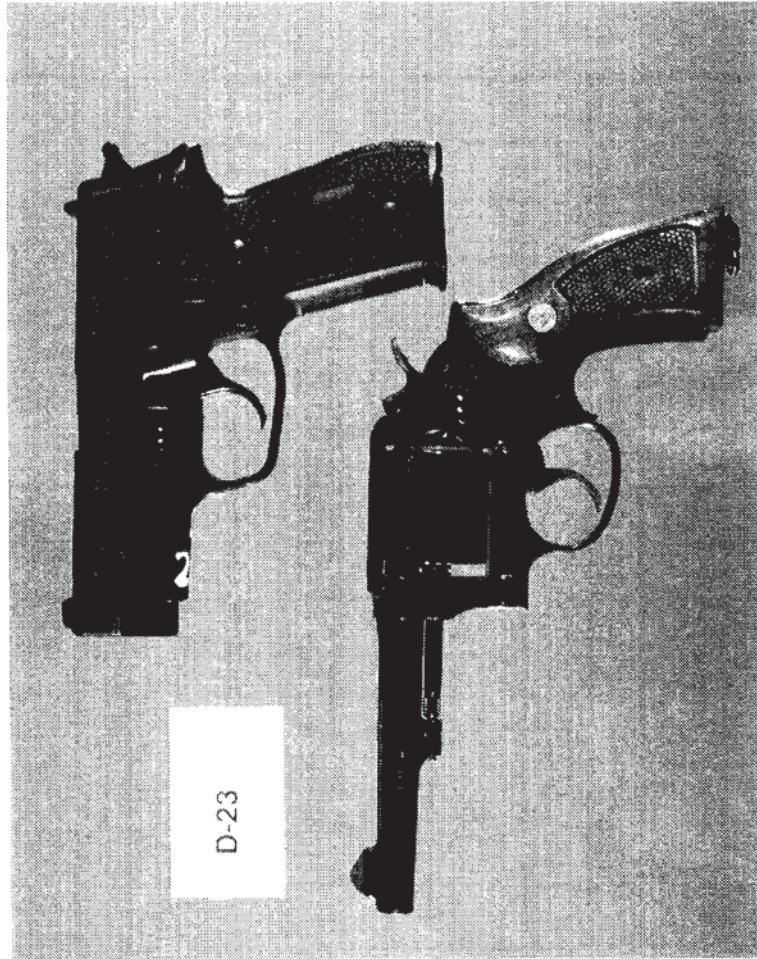
"Très bonne arme sauf pour la force de détente."

"Presque impossible à tirer avec une main faible."

"Ne me sentais pas confortable due à un mauvais contrôle de la detente."

Le dur recul était sujet de commentaire par 4 tireurs de grandeur B.

NOTA: Ce modèle est disponible en double et simple action avec levier de desarmement. Ceci est la conception originale; dans cette configuration la detente est différente et beaucoup plus facile. C'est évident qu'avec l'action double seulement, cette detente est considérée comme étant un problème.



**SIG SAUER MODEL P228 -9MM.**

Manufacturer/ Fabricant	Sig Sauer	
Model Modele	P228	
Caliber Calibre	9 MM	
Magazine capacity Capacité du chargeur	13	
Safety Sûreté	Internal Interne	
Type of Action Genre d'action	Double action only Double action uniquement	
Barrel length Longueur du canon	98 mm 3.86"	
Overall length Longueur totale	180 mm 7.08"	
Height / Hauteur	136 mm 5.35"	
Width of frame Largeur de la carcasse	37 mm 1.46"	
Weight Loaded Poids chargé	1,155 g 40.7 oz.	
Sights / Miras	Rear white post Hautse poteau blanc	Front white dot Gandon point blanc
Finish / Fini	Slide: blue Culasse: bleue	Frame: anodized Carcasse: anodisée
Grip / Poignée	Black plastic Plastique mat	

SIG SAUER

MODEL/MODELE: P228

CALIBRE: 9MM

D-23

D-26 HAND SIZE

GRANDEUR DE LA MAIN "A" TOTAL 4

SIG SAUER

MODEL/MODELE: P228

CALIBRE: 9MM

D-23

D-26 HAND SIZE

GRANDEUR DE LA MAIN "B" TOTAL 23

PISTOL:

PISTOLET:

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1	1	1				
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						2	1	1		
3 GRIP/ POIGNEE				1	1	2				
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE						2	1	1		
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE				1		1	2			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE										
7 TRIGGER/ DETENTE				2	1			1		
8 SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL					1			3		
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE					3			1		
10 RECOIL/ RECU				1	1	2				
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1	1	1				
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR						2		2		
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1	1	2	
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1	1	1	1	1		

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				2	2	5	8	4	2	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET				1	1		2	9	7	3
3 GRIP/ POIGNEE				1	1	6	2	3	4	5
4 SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE				1		3	1	4	11	2
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE				2	1	2	4	3	8	2
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE									6	1
7 TRIGGER/ DETENTE				4	3	3	4	1	2	2
8 SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL					3	1	6	3	4	5
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE				3	1	6	4	1	2	1
10 RECOIL/ RECU				2	2	2	4	3	8	
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1	1		1	4	8	7
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR						1	1	4	6	8
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						1	2	2	5	9
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						1	4	5	4	3

SIG SAUER

MODEL/MODELE: P228

CALIBRE: 9MM

D-23

D-26 HAND SIZE

II

GRANDEUR DE LA MAIN "C"

TOTAL

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR							2	6	3	
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								5	6	
3	GRIP/ POIGNEE		1	1				6	1	2	
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE					1	3	4	3		
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE				1	1	3	4	2		
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE			1				1	2		
7	TRIGGER/ DETENTE	1	2	1	1	2	1	5			
8	SIGHTS NORMAL LIGHT/ MIRES ET AIRAGE NORMAL				1	1	2	2	3	2	
9	SIGHTS LOW LIGHT/ MIRES ET AIRAGE FAIBLE	1		1		1	3	3			
10	RECOIL/ RECOIL					1	4	4	2		
11	MUZZLE FLASH/ LUEUR DE BOUCHE				1	1	3	2	4		
12	MAGAZINE RELEASE BUTTON/ ARRÊTOIR DU CHARGEUR							1	8	2	
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						1	2	4	4	
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1		3	3	5	1	

Malfunction Défaillance	Number Nombre	Comments Commentaires
Failed to feed / Alimentation defectueuse	1	Ammunition / Munitions: Federal 124 FMJ/Chemisée

SHOOTER'S COMMENTS

The trigger pull was found long and hard by almost all shooters Size A, B, and C.

Shooter Size A was unable to complete course of fire.

"Need to use index finger of both hands."

"The trigger was the biggest disappointment."

A few shooters of all sizes commented on the large size of the grip.

Heavy recoil was commented on by 5 shooters, Sizes B and C.

A few had difficulties loading the magazine.

COMMENTAIRES DU TIREUR

Presque tous les tireurs de grandeurs A, B et C ont trouvé la détente longue et dure.

Un tireur de grandeur A n'a pu compléter le parcours de tir.

"A besoin d'utiliser le l'index des deux mains."

"La détente était la plus grande déception.\*"

Quelques tireurs de toutes les grandeurs ont commenté sur la grosseur de la poignée.

La grande force de recul a fait sujet de commentaires par 5 tireurs de grandeurs B et C.

Quelques uns ont eu de la difficulté à remplir le chargeur.



SIG SAUER MODEL P229 - 40 S&W	
Manufacturer/ Fabricant	Sig Sauer
Model Modèle	P229
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	13
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	98 mm 3.86"
Overall length Longueur totale	180 mm 7.08"
Height / Hauteur	136 mm 5.35"
Width of frame Largeur de la carcasse	37 mm 1.46"
Weight Loaded Poids chargé	1,155 g 40.7 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Slide: blue Culasse: bleu Frame: anodized Carcasse: anodisée
Grip / Poignée	Black plastic Plastique mat

SIG SAUER

MODEL/MODELE: P229

CALIBRE: 40 S&W

PISTOL: D-30 HAND SIZE

PISTOLET: D-31 GRANDEUR DE LA MAIN "A" TOTAL 4

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			2	1				1		
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1	2	1			
3 GRIP/ POIGNEE			1			1	2			
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE					1		2	1		
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE					1		1	1	1	1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1	1	1
7 TRIGGER/ DETENTE							1	1		
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL							1	1	2	
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE								1	1	
10 RECOIL/ RECOIL							2	1	1	
11 MUZZLE FLASH/ LUEUR DE BOUCHE							1	1	1	
12 MAGAZINE RELEASE BUTTON/ ARRETTOIR DU CHARGEUR							1	1	1	1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1	1	1	1
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							2	1	1	

SIG SAUER

MODEL/MODELE: P229

CALIBRE: 40 S&W

PISTOL: D-30 HAND SIZE

PISTOLET: D-31 GRANDEUR DE LA MAIN "B" TOTAL 35

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1	1	2	6	9	7	4
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET				1	2	3	4	6	4	8
3 GRIP/ POIGNEE				1		7	3	8	10	2
4 SLIDE MANIPULATION/ MANIPULATION DE LA GUSSIERE				1		9	5	9	8	2
5 SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GUSSIERE				1		1	3	8	5	8
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						2	3	2	5	3
7 TRIGGER/ DETENTE				3	5	9	3	2	5	4
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL				2	1	4	5	3	6	8
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE				5	5	4	7	2	1	1
10 RECOIL/ RECOIL						1	2	4	6	4
11 MUZZLE FLASH/ LUEUR DE BOUCHE						1	3	5	6	8
12 MAGAZINE RELEASE BUTTON/ ARRETTOIR DU CHARGEUR				1	1	1	2	8	8	10
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR				2	2	4	2	5	4	6
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1	1	5	1	4	10	9

SIG SAUER

MODEL/MODELE: P229

CALIBRE: 40 S.& W.

PISTOL: D-30 HAND SIZE

PISTOLET: D-31 GRANDEUR DE LA MAIN "C"

TOTAL

15

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1		3	5	4	2
2	EASE OF LOADING MAGAZINE INTO PISTOL / FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1	5	3	6
3	GRIP/ POIGNEE		1			2		3	2	3	4
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE			1	1			3	4	2	4
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE	1		1				4	1	5	3
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							2	1	2	4
7	TRIGGER/ DETENTE		4			2	1	3	4		
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL						1	3	7	4	
9	SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1	1	2	4			4	1		
10	RECOIL/ RECU						1	5	5	4	
11	MUZZLE FLASH/ LUEUR DE BOUCHE					1	1	2	3	3	3
12	MAGAZINE RELEASE BUTTON/ ARRÊTETOIR DU CHARGEUR							1	8	4	2
13	EASE OF MAGAZINE REMOVAL / FACILITE D'ENLEVER LE CHARGEUR							1	8	3	3
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					1		3	5	3	5

Malfunction Défaillance	Number Nombre	Comments Commentaires
Failure to eject/ Ejection defectueuse	2	Ammunition ? Munitions: 1 stove pipe - Centaure 180 gr.
Stoppage/ Enrayage	1	
Fail to feed / Alimentation defectueuse	1	Ammunition/Munitions: ccl - caused by ammunition / CCI - cause par la munition
Poor trigger return or fail to return / Retour de la detente pauvre ou defectueuse	4	
Magazine release problem / Problème avec l'arrêtoir du chargeur	7	Faulty magazine identify /Mauvais chargeur identifié chargeur

SHOOTER'S COMMENTS

The trigger was found very heavy and long by almost every shooter.

"Never seen a trigger pull so hard."

A few shooters expressed difficulties in reloading the magazine.

COMMENTAIRES DU TIREUR

La plupart des tireurs ont trouvé la detente très lourde et longue.

"Jamais je n'ai vu un force de detente aussi dure."

Quelques tireurs ont exprimé de la difficulté à remplir le chargeur.

## **ARMOURER'S COMMENTS / COMMENTAIRES DE L'ARMURIER**

### **PREFACE**

Overall, the 9 x 19 mm pistols were not as prone to malfunctions or to mechanical failures as the .40 S & W pistols.

We have found that some of the small springs in semi-automatic pistols are best changed as a matter of routine maintenance. Extractor springs, firing pin springs, and trigger return springs should be changed at 5000 round intervals. We will be more specific in regards to maintenance on certain pistols.

### **AVANT-PROPOS**

En général, les pistolets 9 x 19 mm n'étaient pas autant predisposes aux défaillances ou défauts mécaniques que les pistolets .40 S & W.

Nous avons d&etermine que certains ressorts dans les pistolets semi-automatiques devraient Ctre remplacés comme mesure d'entretien routinière. Le ressort de l'extracteur, le ressort du percuteur et le ressort de rappel de la detente devraient être changes à tous les cinq milles coups Nous serons plus spécifique en ce qui concerne l'entretien de certains pistolets.

**MECHANICAL FAILURE**

1. Broken trigger springs on the .40 S. & W .and the 9 mm at 6800 and 9673 rounds respectively.

**SUGGESTED MAINTENANCE**

The RCMP Armourer Section has a considerable amount of experience with the Sig/Sauer P226 pistol. The following maintenance is recommended:

**Every 5000 rounds:** Replace the following parts:

The decocking lever spring (not in Double Action only pistol).

Trigger bar spring

Trigger pivot pin

Slide catch lever spring

Firing pin spring

Inner and outer pins, heavy duty (not on P229)

**DÉFAILLANCE MÉCANIQUE**

1. Les ressorts de la detente du .40 S.& W. et du 9 mm ont brisés à 6,800 et 9,673 coups respectivement.

**L'ENTRETIEN SUGGÉRÉ**

La Section de l'Armurerie de la G.R.C. a une experience considerable avec le pistolet P226 de Sig/Sauer. L'entretien qui suit est suggéré:

**Chaque 5,000 coups:** Remplacer les pieces suivantes:

- Le ressort du levier de désarmement (pas dans le pistolet à double action seulement) .  
Le ressort de l' Ctrier
- Le pivot de la detente  
Le ressort de l'arrêtoir de la culasse
- Le ressort du percuteur
- Goupilles du bloc de culasse (pas sur le P229)

NOTE: The Sig/Sauer line of pistols was originally designed double/single action with a decocking lever. All of the pistols tested were double action only in operation. The major complaint by the shooters of this pistol was that the trigger pull was too long and heavy. In all other areas the pistol is rated as very good.

NOTE: All Sig/Sauer pistols in this test were equipped with the short, smooth trigger.

SUBJECT:

**SIG/SAUER DOUBLE ACTION WITH REDUCED TRIGGER PULL**

Following the conclusion of the semi-automatic evaluations, two additional Sig/Sauer Model 228, Double-Action Only, with reduced trigger pulls were forwarded to the RCMP Armoury for evaluation.

A -disassembly and examination of these pistols revealed a mainspring that was nearly two full coils shorter than previously tested Sig/Sauer pistols.

NOTA: La ligne de pistolets de Sig/Sauer a été conçue originellement comme double/simple action avec levier de désarmement. Tous les pistolets évalués étaient à double action seulement en opération. La plainte majeure des tireurs concernant ces pistolets était que la détente était trop longue et forte. Dans tous les autres catégories le pistolet est considéré très bon.

NOTA: Tous les pistolets Sig/Sauer dans cette évaluation étaient équipés avec la détente courte et lisse.

SUJET

**SIG/SAUER DOUBLE ACTION AVEC DÉTENTE PLUS LÉGÈRE**

Suite à la conclusion des évaluations des semi-automatiques, deux pistolets additionnels de Sig/Sauer, modèle 228, avec double action seulement et détentes plus légères furent expédiés à l'Armurerie de la G.R.C. pour évaluation.

Le démontage et l'examen de ces pistolets ont révélé un ressort principal presque deux boudins plus courts que ceux des pistolets Sig/Sauer évalués

The reduction in mainspring length reduced the trigger pull to an average of 10.5 lbs. This trigger pull is approximately 20% less than Sig/Sauer Double Action Only pistols tested in this evaluation. There was no other apparent design changes made to achieve this trigger pull.

Test firing with 100 rounds of service ammunition showed what appeared to be normal primer indentation, however, time restraints prevented exact measurements.

A cold weather test was not possible.

This is a cursory examination only. These samples were sent with the notation "Modified Trigger Pull ". Additional testing is recommended to ensure that this pistol functions reliably with the reduced pressure mainspring.

précédemment .

La réduction de la longueur du ressort principal a réduit la détente à une moyenne de 10.5 livres. Cette détente est approximativement 20% moindre que les Sig/Sauer avec double action seulement évalués dans cette recherche. Il n'y avait aucune autre modification apparente pour en arriver à cette détente.

Une évaluation a été faite en tirant cent cartouches de munitions de service. L'empreinte du percuteur semblait être normale, cependant le temps n'a pas permis des mesures exactes.

Ce n'était pas possible de faire une évaluation en température froide.

Ceci était un examen superficiel seulement . Ces échantillons furent soumis avec la notation "Détente modifiée" . Une évaluation additionnelle est recommandée afin de déterminer si ce pistolet fonctionne fiablement avec la tension du ressort principal réduite.

## Section V - Smith & Wesson

MANUFACTURER MANUFACTURIER	MODEL MODÈLE	CALIBER CALIBRE	# ROUNDS COUPS	PISTOL # PISTOLET #
SMITH & WESSON	3913	9 MM	1,000	E-1
	3953	9 MM	9,725	E-2
	4026	40 S. & W.	2,199	E-13
	4043	40 S. & W.	4,722	E-12
			1,295	E-17
			880	E-18
	4046	40 S. & W.	9,739	E-19
			2,626	E-20
	4053	40 S. & W.	2,020	E-21
	5904	9 MM.	1,200	E-3
	5943	9 MM.	5,879	E-5
	5946	9 MM.	1,190	E-6
			1,800	E-7
			1,650	E-8
			1,400	E-9
	6946	9 MM.	950	E-10
			950	E-11
<b>TOTAL / TOTALE</b>			<b>49,225</b>	



<b>SMITH &amp; WESSON MODEL 3913 - 9MM.</b>	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	3913
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	8
Safety Sûreté	Slide mounted with decock Culasse avec levier de désarmement
Type of Action Genre d'action	Double action
Barrel length Longueur du canon	89 mm 3.5"
Overall length Longueur totale	177 mm 7.0"
Height / Hauteur	133 mm 5.25"
Width of frame Largeur de la carcasse	28.7 mm 1.13"
Weight Loaded Poids chargé	826 gs 29.13 oz.
Sights / Miras	Three white dots Trois points blancs
Finish / Fini	Stainless steel slide Culasse en acier inoxydable Alloy frame Carcasse en alliage inoxydable
Grip / Poignée	Black "XENON" Noir
Features Particularités	Magazine disconnect safety Sécurité de chargeur

SMITH & WESSON MODEL/MODELE: 3913 CALIBRE: 9MM

SMITH & WESSON MODEL/MODELE: 3913 CALIBRE: 9MM

SMITH & WESSON MODEL/MODELE: 3913 CALIBRE: 9MM

SMITH & WESSON MODEL/MODELE: 3913 CALIBRE: 9MM

SMITH & WESSON MODEL/MODELE: 3913 CALIBRE: 9MM

SMITH & WESSON MODEL/MODELE: 3913 CALIBRE: 9MM

PISTOL: E-1 HAND SIZE 7  
 PISTOLET: E-1 GRANDEUR DE LA MAIN "B" TOTAL

PISTOL: E-1 HAND SIZE 1  
 PISTOLET: E-1 GRANDEUR DE LA MAIN "A" TOTAL

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1	1			2	1		
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET									7	
3 GRIP/ POIGNEE		1	2	1	1			1	1	
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE		1	1				3	1		
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE		2	1			1	2	1		
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE			1	1		1	2	2		
7 TRIGGER/ DETENTE		1				1	3	2		
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL		1				1	1	3	1	
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE		2	1	2	1		1			
10 RECOIL/ RECUIL			1	1	1	1		2		
11 MUZZLE FLASH/ LUEUR DE BOUCHE		2	2	2	2	1				
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR					1		1	3	2	
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR			1					1		
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1			4	2		

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						1				
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET									1	
3 GRIP/ POIGNEE							1			
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE								1		
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE							1			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1			
7 TRIGGER/ DETENTE								1		
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL								1		
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE				1						
10 RECOIL/ RECUIL							1			
11 MUZZLE FLASH/ LUEUR DE BOUCHE					1					
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR									1	
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						1				
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION								1		

SMITH & WESSON

MODEL/MODELE 3913

CALIBRE: 9MM

<b>Malfunction Défaillance</b>	<b>Number Nombre</b>	<b>Comments Commentaires</b>
Nil		

SHOOTER'S COMMENTS

Two shooters, Size B, commented on the grip being too small.

Three shooters found the trigger pull to be too easy (single action).

COMMENTAIRES DU TIREUR

Deux tireurs de grandeur B ont commenté que la poignée était trop petite.

Trois tireurs ont trouvé la force de la détente trop facile (simple action).



<b>SMITH &amp; WESSON MODEL 3953 - 9MM.</b>	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	3953
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	8
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double Action Only Double action uniquement
Barrel length Longueur du canon	89 mm 3.5"
Overall length Longueur totale	177 mm 7.0"
Height / Hauteur	133 mm 5.25"
Width of frame Largeur de la carcasse	28.7 mm 1.13"
Weight Loaded Poids chargé	826 g 29.13 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Stainless steel slide Culasse en acier inoxydable Alloy frame Carcasse en alliage inoxydable
Grip / Poignée	Black Rubber Caoutchouc noir
Features Particularités	Magazine disconnect safety Sécurité de chargeur

SMITH & WESSON

MODEL/MODELE: 3953

CALIBRE: 9MM

PISTOL: E-2

HAND SIZE

GRANDEUR DE LA MAIN "A"

5

TOTAL

SMITH & WESSON

MODEL/MODELE: 3953

CALIBRE: 9MM

PISTOLET: E-2

HAND SIZE

GRANDEUR DE LA MAIN "B"

7

TOTAL

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1			1	1	1	1	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1		1	1	1	2
3 GRIP/ POIGNEE				1			1		2	1
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE							3		2	
5 SLIDE RELEASE LEVER/ ARRETROI DE LA CULASSE			1				2	1	1	1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1	2		1
7 TRIGGER/ DETENTE							1	1	2	1
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL					1	1		2	1	
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE	1			2		1		1		
10 RECOIL/ RECUL			1			1	1	2		
11 MUZZLE FLASH/ LUEUR DE BOUCHE				2			1	1	1	
12 MAGAZINE RELEASE BUTTON/ ARRETROI DU CHARGEUR		1					2			1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR					1			1	1	3
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						2		3		

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1						
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET				1		1	2		3	
3 GRIP/ POIGNEE	1			1	3					2
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE					2	1	1	1	1	2
5 SLIDE RELEASE LEVER/ ARRETROI DE LA CULASSE				1	1		2		1	2
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							2	2	2	
7 TRIGGER/ DETENTE						1	1	2	2	1
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL				1			1	2	1	1
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE		1					1	1	1	
10 RECOIL/ RECUL				1		1	1	2	1	
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1			2	3	1	
12 MAGAZINE RELEASE BUTTON/ ARRETROI DU CHARGEUR					1		1	2	2	1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR				1				2	2	2
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						1	2	1	2	1

SMITH & WESSON

MODEL/MODELE: 3953

CALIBRE: 9MM

PISTOL: E-2

HAND SIZE

PISTOLET: E-2

GRANDEUR DE LA MAIN "C"

3

TOTAL

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1			1		
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						1		1		1
3	GRIP/ POIGNEE					1			1		1
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE							1	2		
5	SLIDE RELEASE LEVER/ ARRÊTOIR DE LA CULASSE						1		1		1
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1		1
7	TRIGGER/ DETENTE								2		1
8	SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL								1		2
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE						1				1
10	RECOIL/ RECUIL						1		1		1
11	MUZZLE FLASH/ LUEUR DE BOUCHE								1		1
12	MAGAZINE RELEASE BUTTON/ ARRÊTOIR DU CHARGEUR						1		2		
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR								1		2
14	OVERALL EASE OF OPERATION/ FACILITE D UTILISATION								1		1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Grip came off / Poignée s'est enlevée	1	Grip pin missing (may have been removed during O.P.P. test)./ La goupille de plaquette de crosse était absente (celle-ci avait peut- être été enlevée durant le test de la Police provinciale de l'Ontario).

SHOOTER'S COMMENTS

Four shooters of Sizes B and C found the grip too small. Shooters of Size A found it very nice.

"As I have small hands I like this gun."

"I like this pistol."

The same number of shooters Sizes A, B, and C commented that the trigger pull was long, while the others said it was nice.

A few shooters, Sizes A, B and C, found the recoil heavy.

Two Size A found the magazine difficult to reload.

COMMENTAIRES DU TIREUR

Quatre tireurs de grandeurs B et C ont trouve la poignée trop petite. Les tireurs de grandeurs A l'ont trouve très bien.

"Comme j'ai de petites mains, j'aime cette arme."

"J'aime ce pistolet."

Le même nombre de tireurs de grandeurs A, B et C ont commenté que la force de la detente était longue, tandis que d'autres ont dit qu'elle était bonne.

Quelques tireurs de grandeurs A, B et C ont trouve la force du recul forte.

Deux tireurs de grandeur A ont trouve le chargeur difficile à remplir.

SMITH & WESSON MODEL 4026 - 40 S&W	
Manufacturer/ Fabricant	Smith & Wesson
Model Modelé	4026
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	11
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Frame decock Lever de désarmement sur la carcasse
Barrel length Longueur du canon	101 mm 4.0"
Overall length Longueur totale	197 mm 7.75"
Height / Hauteur	140 mm 5.5"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	1,290 g 45.5 oz.
Sights / Mires	Three luminous dots Trois points lumineux
Finish / Fini	Stainless steel Acier inoxydable
Grip / Poignée	Black "XENONY" Noir
Features Particularités	Magazine disconnect safety Sécurité de chargeur



SMITH & WESSON

MODEL/MODELE: 4026

CALIBRE: 40 S. & W.

PISTOL: E-13

HAND SIZE

GRANDEUR DE LA MAIN "A" 3

SMITH & WESSON

MODEL/MODELE: 4026

CALIBRE: 40 S. & W.

PISTOL: E-13

HAND SIZE

GRANDEUR DE LA MAIN "B" 7

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						1	2			
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1	1	1	
3 GRIP/ POIGNEE			1				1	1		
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE					2			1		
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE				2				1		
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1				1		
7 TRIGGER/ DETENTE					1			1	1	
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL					1			1	1	
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	2			1						
10 RECOIL/ RECUIL							3			
11 MUZZLE FLASH/ LUEUR DE BOUCHE							2	1		
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR					1			1	1	
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR								2	1	
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							2		1	

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1	1		1	1	2	1
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							2	2	2	1
3 GRIP/ POIGNEE								4	3	
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE					1	2	1	1	1	2
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE				2			2	1	2	
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE	1	1					1	1		
7 TRIGGER/ DETENTE	1			1			2	2	2	1
8 SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL							2	2	1	2
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1	1	1				1		1	1
10 RECOIL/ RECUIL						2	3	1		1
11 MUZZLE FLASH/ LUEUR DE BOUCHE					1	1	2	5		
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR						1		5	1	1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR								6		1
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	1	5	2

SMITH & WESSON

MODEL/MODELE: 4026

CALIBRE: 40 S. & W.

HAND SIZE

4

GRANDEUR DE LA MAIN "C"

TOTAL

PISTOL: E-13

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR								1	3	
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET.									4	
3	GRIP/ POIGNEE								1	2	1
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE								1	2	1
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE					1	1	1	1	1	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1	2	1	
7	TRIGGER/ DETENTE						1		2	1	
8	SIGHTS/NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL.							1	1	1	1
9	SIGHTS:LOW LIGHT/ MIRES ECLAIRAGE FAIBLE			1					2	1	
10	RECOIL/ RECOIL								1	2	1
11	MUZZLE FLASH/ LUEUR DE BOUCHE						1		3		
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR						1		2	1	
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR								1	3	
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION								3	1	

Malfunction Défaillance	Number Nombre	Comments Commentaires
Failed to feed / Alimentation defectueuse	1	ccl
Fail to extract / Extraction defectueuse	1	Centaure

SHOOTER'S COMMENTS

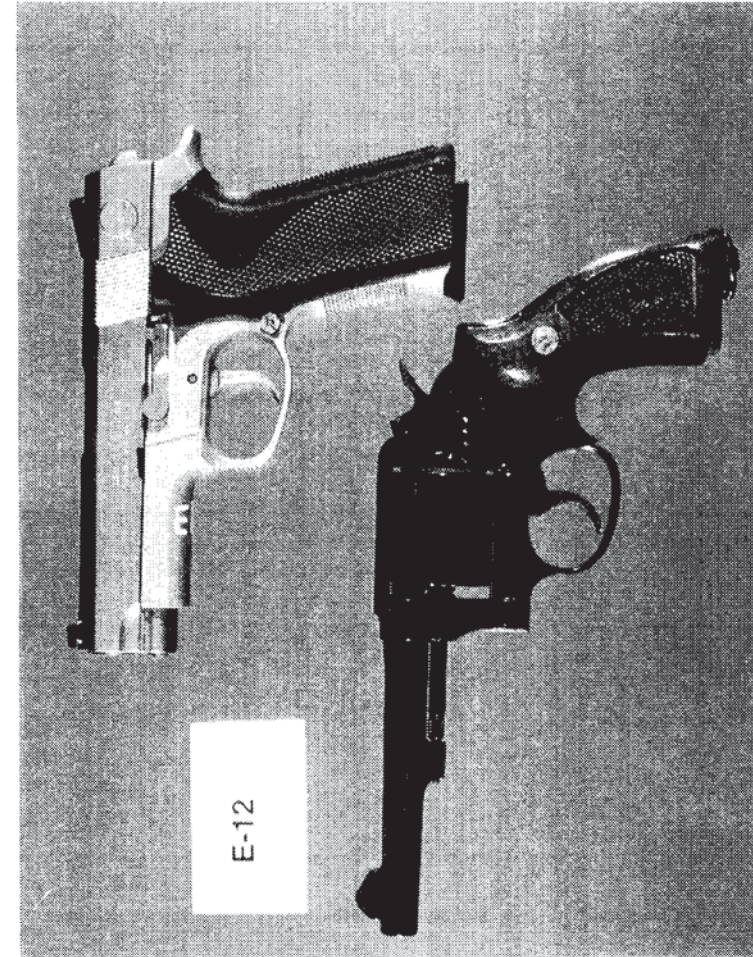
A few shooters did not like the double/single action due to the different trigger pull between first shot and subsequent shots.

The decocking lever was found to be awkward by two shooters Size B and two Size A.

COMMENTAIRES DU TIREUR

Quelques tireurs n'ont pas aimés l'action simple/double due à la difference de force de la detente entre le premier coup et les coups suivants.

Selon deux tireurs de grandeurs A et B respectivement, le levier de désarmement était peu maniable.



<b>SMITH &amp; WESSON MODEL 4043 - 40 S&amp;W</b>	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	4043
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	11
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double action only Double action uniquement
Barrel length Longueur du canon	101 mm 4.0"
Overall length Longueur totale	197 mm 7.75"
Height / Hauteur	140 mm 5.5"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	1,015 g 35.8 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Stainless steel slide Carcasse en acier inoxydable
Grip / Poignée	Black "XENOY" Noir
Features Particularités	Magazine disconnect safety Sûreté de chargeur

SMITH & WESSON MODEL/MODELE: 4043 CALIBRE: 40 S. & W.

E-12  
 E-17 HAND SIZE  
 E-18 GRANDEUR DE LA MAIN "B" TOTAL 23

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			2	2	3	3	4	6	1	7
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET		1			1	2	2	7	5	3
3	GRIP/ POIGNEE		1			2	4	2	5	9	
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE			1		3	2	6	5	5	1
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE			1	2	3	4	6	4	2	1
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE					1	1	2	1	2	3
7	TRIGGER/ DETENTE	1	3	2	1	1	4	3	3	3	
8	SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL				1	3	4	6	7	2	
9	SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE	5		4	3	1	4	3	1		
10	RECOIL/ RECOIL	1	1	1	6		2	4	7	1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE		1		1	2	6	7	3	3	
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR		1				5	4	7	4	2
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR					1	2	1	6	5	6
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION			1	1	2	2	5	3	7	2

SMITH & WESSON MODEL/MODELE: 4043 CALIBRE: 40 S. & W.

E-12  
 E-17 HAND SIZE  
 E-18 GRANDEUR DE LA MAIN "A" TOTAL 7

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		1	1				2	2	1	
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1	1	4	1
3	GRIP/ POIGNEE		1	2				1	2	1	
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE				1	1	1	1	1	2	
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE			2		1	1	2	1	1	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1	1	1	1	1	1	
7	TRIGGER/ DETENTE	1	2		1	1		2			
8	SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL		1		1	1	1	1	1	1	
9	SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE	3	1			3					
10	RECOIL/ RECOIL		1	1	1	1	1	1		1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE		1	1	1			1	3	1	1
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR				1	1		1		2	2
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1	1	4	2
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				2		1	1	1	1	1

SMITH & WESSON MODEL/MODELE: 4043 CALIBRE: 40 S. & W.

E-12

HAND SIZE

GRANDEUR DE LA MAIN "C" TOTAL 10

E-17

PISTOLET: E-18

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	1					2		4	2	1
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								1	4	5
3 GRIP/ POIGNEE								3	5	2
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE						1	1	2	4	2
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE						1	2	4	2	1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								3	3	
7 TRIGGER/ DETENTE							3	2	3	1
8 SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL					1		2	4	2	1
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE			1		2	3		2		2
10 RECOIL/ RECUIL						2	3	2	3	
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1		1	3	4	1	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR							2	1	6	1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR									4	6
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	1	5	3

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to chamber /	I 3	Munition 3D Ammunition
Fail to extract / Extraction defectueuse	10 5	Munition Centaure Ammunition American Eagle Super X
Fail to feed / Alimentation defectueuse	10 14 3	Munition 3D Ammunition American Eagle ccl - Attributed to ammunition
Slide closed on inserting magazine / Culasse referme lorsque le chargeur est insérer	15	
Slide failed to lock open/ Culasse ne s'est pas sécurisée dans la position ouverte	2	

SHOOTER'S COMMENTS

5 shooters Size B and one Size A shooter commented on the trigger being long and heavy.

7 shooters of Sizes A, B, and C found the recoil to be heavy.

One shooter, Size A, found the grip too large.

One shooter commented on how he liked the magazine safety.

A few shooters had difficulties loading the last couple rounds.

COMMENTAIRES DU TIREUR

5 tireurs de grandeur B et un de grandeur A a commenté que la detente était long et lourde.

7 tireurs de grandeurs A, B et C ont trouvé le recul lourd.

Un tireur de grandeur A a trouvé la poignée trop grosse.

Un tireur a commenté qu'il aimait le cran de sécurité du chargeur.

Quelques tireurs ont éprouvés de la difficulté à charger les derniers couples de coups.

SMITH & WESSON MODEL 4046 - 40 S&W	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	4046
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	11
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double Action Only Double action uniquement
Barrel length Longueur du canon	101 mm 4.0"
Overall length Longueur totale	197 mm 7.75"
Height / Hauteur	140 mm 5.5"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	1,290 g 45.5 oz.
Sights / Mirres	Three luminous dots Trois points lumineux
Finish / Fini	Stainless steel Acier inoxydable
Grip / Poignée	Black "XENONY" Noir
Features Particularités	Magazine disconnect safety Sécurité de chargeur





SMITH & WESSON

MODEL/MODELE: 4046

CALIBRE: 40 S. & W.

PISTOL: E-19

HAND SIZE

GRANDEUR DE LA MAIN "C"

TOTAL

13

RATINGS/COTES	RATINGS/COTES									
	1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1	2		2	2	4	2
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						2	1	7	3
3	GRIP/ POIGNEE					1	3	6	3	
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE				1		4	3	3	2
5	SLIDE RELEASE LEVER/ ARRÊTOIR DE LA CULASSE					2	2	5	3	1
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						1		1	2
7	TRIGGER/ DETENTE		2				1	4	4	2
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL						2	2	3	4
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE							3	3	3
10	RECOIL/ RECU						1	1	5	5
11	MUZZLE FLASH/ LUEUR DE BOUCHE						1	2	4	3
12	MAGAZINE RELEASE BUTTON/ ARRÊTOIR DU CHARGEUR						3	4	5	1
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							4	7	2
14	OVERALL EASE OF OPERATION/ FACILITE D UTILISATION		1				1	6	5	

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed last round / N'a pas alimentée la dernière balle	5	Speer ammunition /munition Centaure - Super X
Fail to extract / Extraction defectueuse	9	Extractor of old type / Ancien modèle d'extracteur
Slide locked with 1 round still in magazine / Culasse verouillée avec une balle dans le chargeur	2	
Fail to feed / Alimentation defectueuse	5 3 1	Speer ammunition/munition Centaure American Eagle

SHOOTER'S COMMENTS

The majority of the shooters commented that this was a nice gun.

A few found the trigger long and heavy.

Two size B and two size C found the recoil too heavy.

Five shooters had difficulties loading the last few rounds.

One shooter commented that he liked the magazine safety.

COMMENTAIRES DU TIREUR

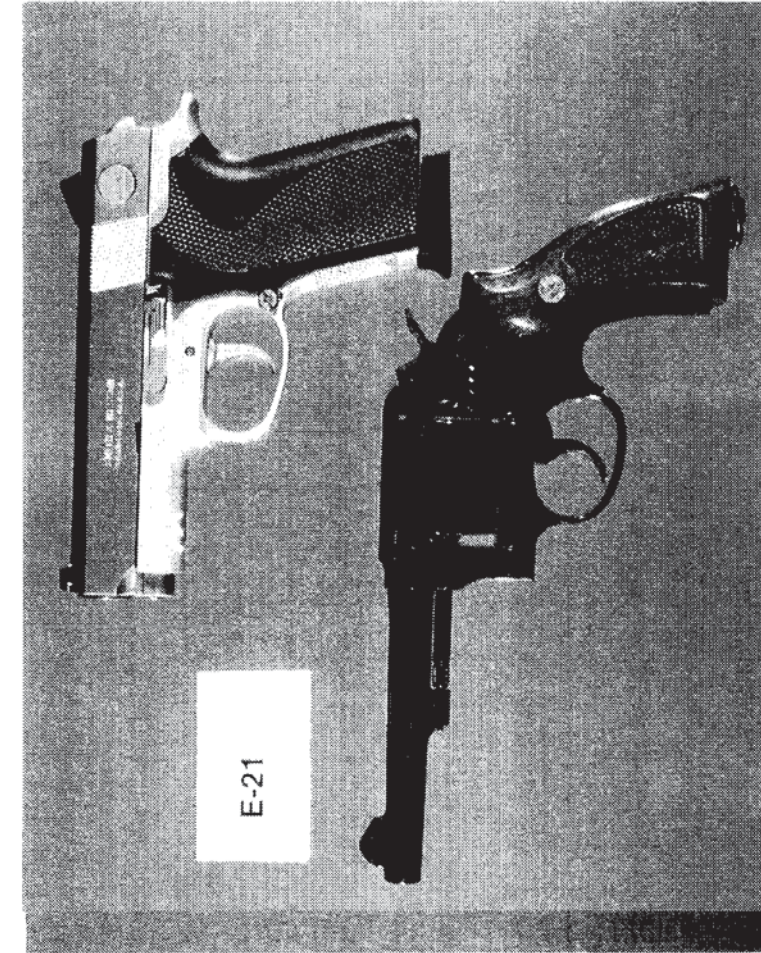
La majorité des tireurs ont commenté que ceci est une belle arme.

Quelques-uns ont trouvée la détente longue et lourde.

Deux de taille B et deux de taille C ont trouvée la force du recul trop forte.

Cinq tireurs ont éprouvée de la difficulté à charger les quelques dernières balles.

Un tireur a commenté qu'il aimait le cran de sécurité du chargeur.



<b>SMITH &amp; WESSON MODEL 4053 - 40 S&amp;W</b>	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	4053
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	8
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double Action Only Double action uniquement
Barrel length Longueur du canon	88 mm 3.5"
Overall length Longueur totale	178 mm 7.0"
Height / Hauteur	127 mm 5.0"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	925 g 32.6 oz.
Sights / Miras	Three luminous dots Trois points lumineux
Finish / Fini	Stainless slide Culasse en acier inoxydable Alloy Frame Carcasse en alliage inoxydable
Grip / Poignée	Black "XENOY" Noir
Features Particularités	Magazine Disconnect Safety Sécurité de chargeur



Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to stay open last round / N'a pas resté ouvert la dernière balle	4	
Fail to feed / Alimentation défectueuse	5 1	3-D AMERICAN EAGLE

SHOOTER'S COMMENTS

two shooters commented on heavy and long trigger pull while one found the trigger light.

A few shooters found the recoil heavy.

Two shooters, size C, found the grip too short.

A few shooters found the last few rounds difficult to load.

COMMENTAIRES DU TIREUR

Deux tireurs ont commenté que la force de détente était longue- et lourde tandis qu'un l'a trouvée légère.

Quelques tireurs ont trouvée la force du recul forte.

Deux tireurs de taille C ont trouvée la poignée trop courte.

Quelques tireurs ont trouvés les quelques dernières balles difficiles à chargées.



<b>SMITH &amp; WESSON MODEL 5904 - 9MM.</b>	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	5904
Caliber Calibre	9MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Manual Safety with decock Manuelle avec levier de désarmement
Type of Action Genre d'action	Double Action
Barrel length Longueur du canon	101 mm 4.0"
Overall length Longueur totale	197 mm 7.75"
Height / Hauteur	140 mm 5.5"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	977 g 34.5 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Slide: Blue Culasse: Bleu
Grip / Poignée	Black "XENYOY" Noir
Features Particularités	Magazine disconnect safety Sécurité de chargeur

SMITH & WESSON

MODEL/MODELE: 5904

CALIBRE: 9MM

PISTOL:  
PISTOLET: E-3

HAND SIZE  
GRANDEUR DE LA MAIN "B" TOTAL

8

SMITH & WESSON

MODEL/MODELE: 5904

CALIBRE: 9MM

PISTOL:  
PISTOLET: E-3

HAND SIZE  
GRANDEUR DE LA MAIN "C" TOTAL

4

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						1	2	2	2	1
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								4	1	3
3 GRIP/ POIGNEE			1				1	5		1
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE						1	3	1	2	1
5 SLIDE RELEASE LEVER/ ARRETÖUR DE LA CULASSE					1	1	2	2	1	1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						1	2	3		1
7 TRIGGER/ DETENTE						1	1	2	3	1
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL							2	2	2	2
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE						1	1	1	2	1
10 RECOIL/ RECOL							1	3	1	1
11 MUZZLE FLASH/ LUEUR DE BOUCHE						1	2	2	2	1
12 MAGAZINE RELEASE BUTTON/ ARRETÖUR DU CHARGEUR							1	1	3	2
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1	1	2	4
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						1	1	1	3	1

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR								3	1	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								2	1	1
3 GRIP/ POIGNEE						1	1	1	2	
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE								3	1	
5 SLIDE RELEASE LEVER/ ARRETÖUR DE LA CULASSE							2	1	1	
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1	1	2	
7 TRIGGER/ DETENTE							1	1	1	
8 SIGHTS NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL							1	1	2	
9 SIGHTS LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE							1	1	1	1
10 RECOIL/ RECOL								2	2	
11 MUZZLE FLASH/ LUEUR DE BOUCHE							1	2	2	
12 MAGAZINE RELEASE BUTTON/ ARRETÖUR DU CHARGEUR								1	1	1
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR								1	1	1
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	1	1	1

SMITH & WESSON

MODEL/MODELE 5904

CALIBRE: 9MM

Malfunction Défaillance	Number Nombre	Comments Commentaires
Nil		

SHOOTER'S COMMENTS

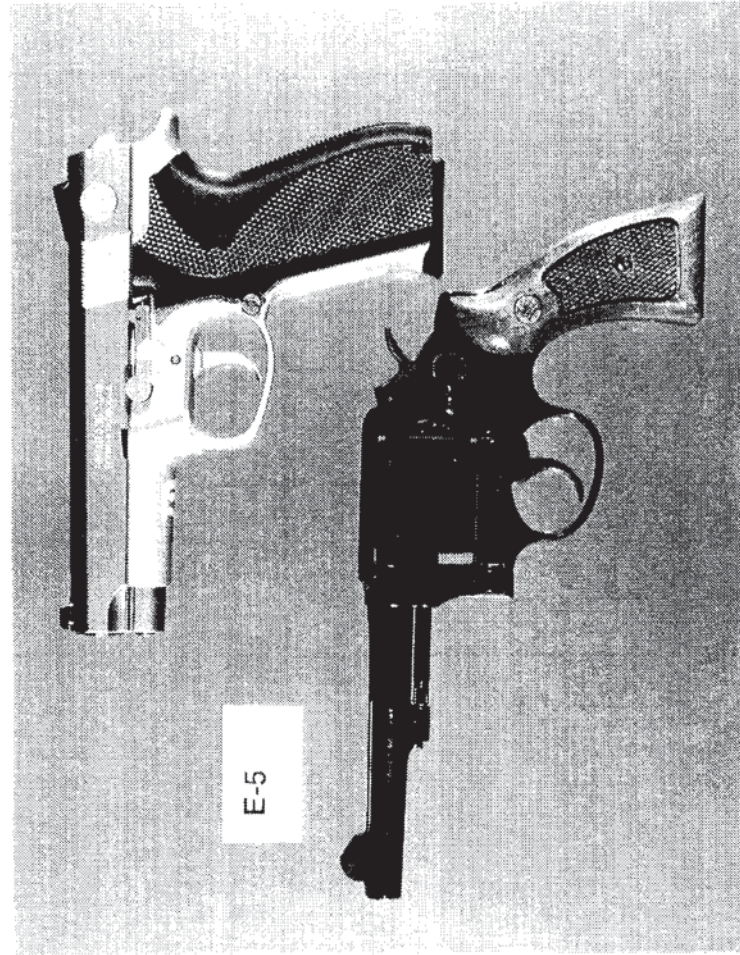
Two shooters commented on the long trigger pull in Double Action.

**Most** shooters found the pistol good overall.

COMMENTAIRES DU TIREUR

Deux tireurs ont commenté sur la longue force de détente en action double.

La plupart des tireurs ont trouvé le pistolet généralement satisfaisant.



<b>SMITH &amp; WESSON MODEL 5943 - 9MM.</b>	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	5943
Caliber Calibre	9MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double Action Only Double action uniquement
Barrel length Longueur du canon	101 mm 4.0"
Overall length Longueur totale	197 mm 7.75"
Height / Hauteur	140 mm 5.5"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	1,239 g 43.7 oz.
Sights / Miras	Three white dots Trois points blancs
Finish / Fini	Stainless slide Culasse en acier inoxydable Alloy frame Carcasse en alliage inoxydable
Grip / Poignée	Black "XENYOY" Noir
Features Particularités	Magazine disconnect safety Sûreté de chargeur

SMITH & WESSON MODEL/MODELE: 5943 CALIBRE: 9MM

SMITH & WESSON MODEL/MODELE: 5943

SMITH & WESSON

SMITH & WESSON MODEL/MODELE: 5943 CALIBRE: 9MM

SMITH & WESSON MODEL/MODELE: 5943

SMITH & WESSON

PISTOL: E-5 HAND SIZE: 4  
 PISTOLET: E-5 GRANDEUR DE LA MAIN "C" TOTAL

PISTOL: E-5 HAND SIZE: 7  
 PISTOLET: E-5 GRANDEUR DE LA MAIN "B" TOTAL

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR									3	1
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1	1	1	1
3	GRIP/ POIGNEE							2			2
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE							1	2	1	
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE			1				3			
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1	1	
7	TRIGGER/ DETENTE							1	1	1	1
8	SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL							1		3	
9	SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE						1		1	1	1
10	RECOIL/ RECOL							1	2	1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE							1	1	1	1
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR							1	1	2	
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						1	1	1	1	1
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION								2	1	1

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						1	1	1	2	2
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1		1	1	1	3
3	GRIP/ POIGNEE					1		1	4	1	
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE							2	2	2	1
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE							3	2	1	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								2	1	
7	TRIGGER/ DETENTE					1		3	1	2	
8	SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL					1		2	3	1	
9	SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE		2		1			3			
10	RECOIL/ RECOL							2	3	2	
11	MUZZLE FLASH/ LUEUR DE BOUCHE						2	1	2	1	1
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR				1			2	1	1	2
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						1	1	1	2	2
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION							1	2	4	

SMITE & WESSON

MODEL/MODELE 5943

CALIBRE: 9MM

Malfunction Défaillance	Number Nombre	Comments Commentaires
Nil		

SHOOTER'S COMMENTS

One shooter found the trigger hard to pull, while other found it good.

Most shooters commented positively about the gun.

COMMENTAIRES DU TIREUR

Un tireur a trouvée la force de la détente difficile, tandis que d'autres l'ont trouvée bonne.

La plupart des tireurs ont commenté de façon positive au sujet de l'arme



<b>SMITH &amp; WESSON MODEL 5946 - 9MM.</b>	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	5946
Caliber Calibre	9MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double Action Only Double action uniquement
Barrel length Longueur du canon	101 mm      4.0"
Overall length Longueur totale	197 mm      7.75"
Height / Hauteur	140 mm      5.5"
Width of frame Largeur de la carcasse	32 mm      1.26"
Weight Loaded Poids chargé	1,239 g      43.7 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Stainless steel Acier inoxydable
Grip / Poignée	Black "XENOY" Noir
Features Particularités	Magazine disconnect safety Sécurité de chargeur

SMITH & WESSON MODEL/MODELE: 5946 CALIBRE: 9MM

E-6  
E-7  
E-8  
E-9

PISTOL: HAND SIZE  
PISTOLET: GRANDEUR DE LA MAIN "B" TOTAL

38

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1	4	5	5	11	10	2
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1	3	2	10	17	5
3	GRIP/ POIGNEE			3	4		4	6	12	6	3
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE				1	3	3	10	10	9	2
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE		1	2	3	4	3	9	11	1	3
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE					4	1		6	6	3
7	TRIGGER/ DETENTE			1	2	4	2	3	9	14	1
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL		1				2	5	11	9	6
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE		10	1	5	5	3		1	2	1
10	RECOIL/ RECU				1	1	3	5	8	14	4
11	MUZZLE FLASH/ LUEUR DE BOUCHE		1	2	1	3	2	5	14	5	3
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR						1	3	7	15	9
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						2	5	14	10	7
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					1	2	7	15	12	1

SMITH & WESSON MODEL/MODELE: 5946 CALIBRE: 9MM

E-6  
E-7  
E-8  
E-9

PISTOL: HAND SIZE  
PISTOLET: GRANDEUR DE LA MAIN "A" TOTAL

6

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1			1	1	3
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET			1					1	2	2
3	GRIP/ POIGNEE					1		2	3		
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE		1		1			1	1	1	1
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE				3			1	1		1
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE			1		1			1		
7	TRIGGER/ DETENTE				1	2	1	1			1
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL								4	1	1
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE		1		1	1	2		1		
10	RECOIL/ RECU						5			1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE				1	1	1	3			
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR							1	2	2	1
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR							1	1	3	1
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1		1	1	2	1	1

SMITH & WESSON

MODEL/MODELE: 5946

CALIBRE: 9MM

E-6

E-7

E-8

E-9

HAND SIZE

GRANDEUR DE LA MAIN "C"

TOTAL

13

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1		1	3	5	3
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								4	5	4
3 GRIP/ POIGNEE					1	1	2	1	5	3
4 SLIDE MANIPULATION/ MANIPULATION DE LA CUIVASSE					1		3	2	5	2
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CUIVASSE		1	1			4	1	2	3	1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE					1		1	4	1	
7 TRIGGER/ DETENTE		1	1		2		3	5		1
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL				1		1	2	4	5	
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1		4		1	2	2	2		
10 RECOIL/ RECOL					3	5	3	2		
11 MUZZLE FLASH/ LUEUR DE DEPARTE				2	2	1	4	2	2	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR						1	2	6	4	
13 EASE OF MAGAZINE REMOVAL/ FACILITE ENLEVER LE CHARGEUR						1		2	8	2
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						1	2	3	5	2

<b>Malfunction Défaillance</b>	<b>Number Nombre</b>	<b>Comments Commentaires</b>
Fail to feed / Alimentation défectueuse	2	Federal ammunition / munition fédérale
Slide closed when inserting magazine / Culasse referme lorsque le chargeur est insérer	1	
Fail to extract	1	3D - Attributed to ammunition / attribué à la munition
Slide locked open during fire / Culasse verouillée ouverte en faisant feu	3	Attributed to shooter / attribué au tireur

SHOOTER'S COMMENTS

Trigger pull found heavy and long by 6 shooters of size B and two size C.

Heavy recoil noted by a shooter, size B.

Three shooters, size A, found the grip too big.

One shooter found the magazine difficult to load.

Most shooters commented positively about the gun.

COMMENTAIRES DU TIREUR

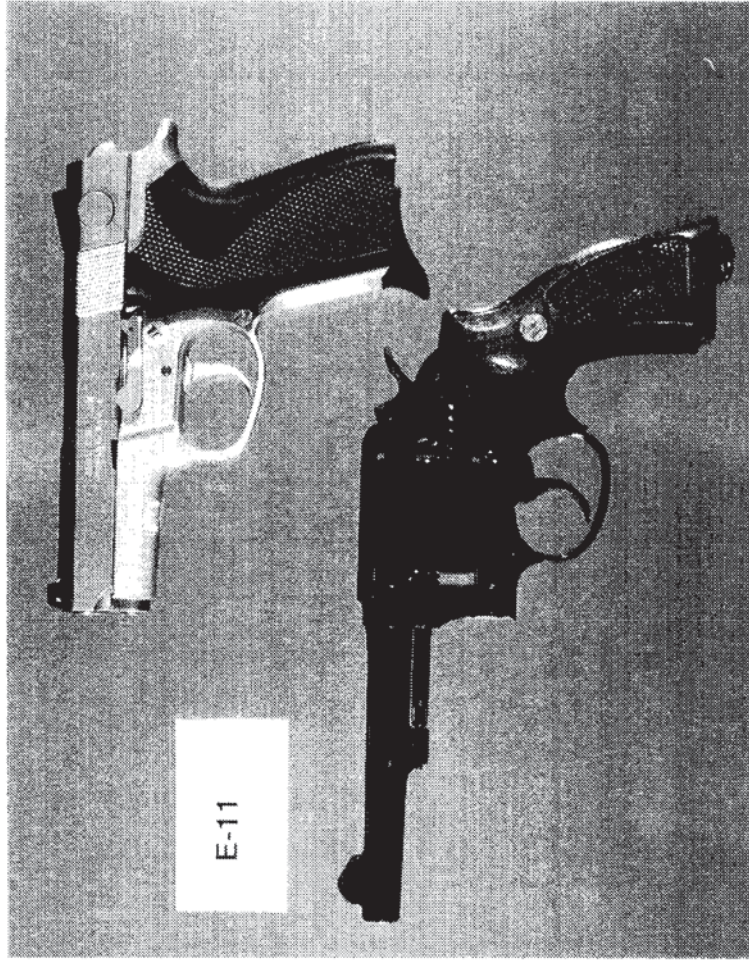
La force de la detente consider&e lourde et longue par six tireurs de taille B et deux de taille C.

Force de recul notée comme étant forte par un tireur de taille B.

Trois tireurs de taille A ont trouvé la poignée trop grosse.

Un tireur a trouvé que le chargeur était difficile à remplir.

La plupart des tireurs ont commentés de façon positive au sujet de l'arme



SMITH & WESSON MODEL 6946 - 9MM.	
Manufacturer/ Fabricant	Smith & Wesson
Model Modèle	6946
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	12
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Double Action Only Double action uniquement
Barrel length Longueur du canon	88 mm 3.5"
Overall length Longueur totale	178 mm 7.0"
Height / Hauteur	127 mm 5.0"
Width of frame Largeur de la carcasse	32 mm 1.26"
Weight Loaded Poids chargé	886 g 31.2 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Stainless steel slide Culasse en acier inoxydable Alloy Frame Carcasse en alliage inoxydable
Grip / Poignée	Black "XENONY" Noir
Features Particularités	Magazine disconnect safety Sécurité de chargeur

SMITH & WESSON MODEL/MODELE: 6946 CALIBRE: 9MM

PISTOL: E-10 HAND SIZE 10  
 PISTOLET: E-11 GRANDEUR DE LA MAIN "B" TOTAL 10

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1					2
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							2	3	2	1
3	GRIP/ POIGNEE			1			2	1	3	1	
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE							1	7	2	
5	SLIDE RELEASE LEVER/ LEVIER DE LA CULASSE		1			1	3	2	3		
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							2	1		
7	TRIGGER/ DETENTE							4	3	2	1
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL						1	2	4	2	1
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE		1	3	1	2	2				
10	RECOIL/ RECUL						1	3	2	3	1
11	MUZZLE FLASH/ LUEUR DE BOUCHE		1	1	2	1	2	2	1		
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR				1	2	3	2			2
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR					1	4		1	1	3
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION						2	3	3	2	

SMITH & WESSON MODEL/MODELE: 6946 CALIBRE: 9MM

PISTOL: E-10 HAND SIZE 4  
 PISTOLET: E-11 GRANDEUR DE LA MAIN "A" TOTAL 4

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1	2					1
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1	1	1	1	1	1
3	GRIP/ POIGNEE		1	1	1						
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE				3			1			
5	SLIDE RELEASE LEVER/ LEVIER DE VERROUILLAGE DE LA GLISSIERE		1	1	1	1					
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1	1	1			1	
7	TRIGGER/ DETENTE		1	1	1			1			
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL				1	1	1	1			
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE				1	1	1	1			
10	RECOIL/ RECUL				2	1	1	1			
11	MUZZLE FLASH/ LUEUR DE BOUCHE			1	1			1		1	
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR		2	1		1					
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR				1		1	1	1	1	
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION			1		1	1	1		1	

SMITH & WESSON

MODEL/MODELE: 6946

CALIBRE: 9MM

PISTOL: E-10

HAND SIZE

PISTOLET: E-11

GRANDEUR DE LA MAIN "C"

TOTAL 5

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR					1			1		3
2	EASE OF LOADING MAGAZINE INTO PISTOL / FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET								2		3
3	GRIP/ POIGNEE	1		1						1	2
4	SLIDE MANIPULATION/ MANIPULATION DE LA GLISSIERE						1		2	1	1
5	SLIDE RELEASE LEVER/ LEVIER DE DEVERROUILLAGE DE LA GLISSIERE								1	1	2
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1	1	
7	TRIGGER/ DETENTE			1					1	1	2
8	SIGHTS NORMAL LIGHT/ MIRRES/ECLAIRAGE NORMAL								2	2	1
9	SIGHTS LOW LIGHT/ MIRRES/ECLAIRAGE FAIBLE	1	1						1	1	
10	RECOIL/ RECUL								2	2	1
11	MUZZLE FLASH/ LUEUR DE BOUCHE	1							1	1	2
12	MAGAZINE RELEASE BUTTON/ ARRÊTOIR DU CHARGEUR						1		1	1	1
13	EASE OF MAGAZINE REMOVAL / FACILITE D'ENLEVER LE CHARGEUR								1		2
14	OVERALL EASE OF OPERATION / FACILITE D'UTILISATION								1	1	2

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed / Alimentation defectueuse	3	Attributed to shooter / Attribué au tireur Winchester ammunition/munition 3D
Fail to extract / Extraction defectueuse	1	3D - Attributed to ammunition / attribué à la munition

SHOOTER'S COMMENTS

Shooters Size A found the grip too big. One shooter had difficulties reaching the trigger. Two shooters, Size B and C, found the grip too short.

Two shooters, Size B, commented about the recoil.

Five shooters found the magazine release difficult to reach.

COMMENTAIRES DU TIREUR

Des tireurs de grandeur A ont trouve la poignée trop grosse. Un tireur a éprouvé de la difficulté à atteindre la détente. Deux tireurs, grandeurs B et C, l'ont trouve trop courte.

Deux tireurs de taille B ont commenté au sujet de la force de recul.

Cinq tireurs ont trouve l'arrêteoir de chargeur difficile à atteindre.

## **ARMOURER'S COMMENTS / COMMENTAIRES DE L'ARMURIER**

### **PREFACE**

Overall, the 9 x 19 mm pistols were not as prone to malfunctions or to mechanical failures as the .40 S & W pistols.

We have found that some of the small springs in semi-automatic pistols are best changed as a matter of routine maintenance. Extractor springs, firing pin springs, and trigger return springs should be changed at 5000 round intervals. We will be more specific in regards to maintenance on certain pistols.

### **AVANT-PROPOS**

En g&&al, les pistolets 9 x 19 mm n'étaient pas autant predisposes aux défaillances ou défauts mécaniques que les pistolets .40 S & W.

Nous avons determine que certains ressorts dans les pistolets semi-automatiques devraient Ctre remplacés comme mesure d'entretien routinière. Le ressort de l'extracteur, le ressort du percuteur et le ressort de rappel de la detente devraient être changes à tous les cinq milles coups. Nous serons plus spécifique en ce qui concerne l'entretien de certains pistolets.

## MECHANICAL FAILURE

### 1. Full-size model, aluminium

The rear of the frame cracked at 4770 rounds.

### 2. Full-size model, stainless steel

The Model 5946, 9 x 19 mm, has been previously endurance-tested for the Department of Fisheries and Oceans.

There was no mechanical failure in this test nor in previous endurance test for the Department of Fisheries & Oceans.

### 3. The excessive wear to the guide rod and the recoil spring.

## DÉFAILLANCE MÉCANIQUE

### 1. Modèle original, en aluminium

L'arrière de la carcasse a fêlé à 4,770 coups.

### 2. Modèle original, en acier inoxydable

- Le modèle 5946, 9 x 19 mm, a déjà été évalué pour l'endurance pour le Ministère des pêches et océans.

- Il n'y a pas eu de défaillance mécanique pendant ce test ni dans l'évaluation d'endurance précédente pour le Ministère des pêches et océans.

### 3. Le 9 mm, Modèle compact, en alliage - usure excessive à la tige du ressort récupérateur et au ressort de recul.

## **SUGGESTED MAINTENANCE**

### **Full-size model, stainless steel**

- as per 5946 schedule.

### **Compact model, aluminum**

as per Model 5946 Maintenance Schedule.

change the guide rod and the spring at 5000 rounds.

### **Model 5946 Maintenance Schedule**

Every 5,000 rounds:

replace the firing pin spring and the extractor spring

clean the firing pm hole and the channel.

NOTE: Early extractors on these pistols are prone to malfunction. Anyone considering these pistols should specify the Model 69 type extractor and spring as per the Department of Fisheries & Oceans specifications.

## **L'ENTRETIEN SUGGÉRÉ**

### **Modèle original, en acier inoxydable**

- comme à la cédule du modele 5946.

### **Modèle compact, en aluminium**

- comme à la cédule d'entretien du modele 5946.

- remplacer la tige guide et son ressort récupérateur à 5,000 coups.

### **Le modèle 9 4 ' 6 ' C 1' -**

Chaque 1,500 coups:

- remplacer le ressort du percuteur et le ressort de l'extracteur

- nettoyer le trou du percuteur et l'alésage

NOTA: Les extracteurs de premiere conception de ces pistolets sont aptes à la défaillance. Quiconque considère ces pistolets devrait spécifié le genre d'extracteur et le ressort du modele 69 telles les specifications du Minister-e des pêches et oceans.

## Section VI - Glock

MANUFACTURER MANUFACTURIER	MODEL MODÈLE	CALIBER CALIBRE	# ROUNDS COUPS	PISTOL # PISTOLET #
GLOCK	17	9 MM.	1,508	F-10
			1,420	F-13
			9,860	F-14
	19	9 MM	1,000	F-2
			1,600	F-4
			1,310	F-5
	22	40 S. & W.	2,400	F-26
			9,260	F-25
			2,278	F-28
	23	40 S. & W.	1,700	F-19
			1,062	F-20
			1,221	F-21
<b>TOTAL / TOTALE</b>			<b>34,619</b>	

GLOCK MODEL 17 - 9MM.	
Manufacturer/ Fabricant	Glock
Model Modèle	17
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	17
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Glock "Safe Action" Glock
Barrel length Longueur du canon	114 mm 4.49"
Overall length Longueur totale	185 mm 7.28"
Height / Hauteur	126 mm 5.35"
Width of frame Largeur de la carcasse	30 mm 1.18"
Weight Loaded Poids chargé	890 g 31.4 oz.
Sights / Mires	White contrast elements Éléments de contraste blancs
Finish / Fini	Slide: black Frame: Polymer Culasse: noir Carcasse: matière synthétique
Grip / Poignée	Integral with frame Intégrée avec la carcasse



GLOCK

MODEL/MODELE: 17

CALIBRE: 9MM

F-10

F-13 HAND SIZE

F-14 GRANDEUR DE LA MAIN "A" TOTAL 3

GLOCK

MODEL/MODELE: 17

CALIBRE: 9MM

F-10

F-13 HAND SIZE

F-14 GRANDEUR DE LA MAIN "B" TOTAL 40

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1	1					
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1	2		
3	GRIP/ POIGNEE							1	1	1	
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE				1			1	1		
5	SLIDE RELEASE LEVER/ ARRETTOIR DE LA CULASSE					2	1				
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1	1		
7	TRIGGER/ DETENTE								1	1	1
8	SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL					1				2	
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE				1					2	
10	RECOIL/ RECU						1		1	1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE								2	1	
12	MAGAZINE RELEASE BUTTON/ ARRETTOIR DU CHARGEUR		1	1		1					
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR			1	1		1				
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION								3		

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1	4	2	7	10	9	5	2
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							5	12	13	10
3	GRIP/ POIGNEE		1	1	3	1	5	9	11	6	4
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE				1	2	2	9	11	12	3
5	SLIDE RELEASE LEVER/ ARRETTOIR DE LA CULASSE		1	2	1	3	1	4	11	7	1
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						1	1	2	7	2
7	TRIGGER/ DETENTE		1	1		2	6	8	10	9	3
8	SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL		1	1	3	1	3	7	11	9	4
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE		6	2	2	4	3	2	7	2	1
10	RECOIL/ RECU			1	1	3	4	14	13	5	1
11	MUZZLE FLASH/ LUEUR DE BOUCHE		1			2	9	7	10	5	4
12	MAGAZINE RELEASE BUTTON/ ARRETTOIR DU CHARGEUR		2	2	4	5	6	7	8	4	2
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		3	3	2	3	6	3	1	9	6
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					2	1	3	8	15	9

**GLOCK**

**MODEL/MODELE: 17**

**CALIBRE: 9MM**

**F-10**

**HAND SIZE**

**12**

**F-13**

**GRANDEUR DE LA MAIN "C"**

**TOTAL**

**F-14**

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1			1	3	2	5	
2	EASE OF LOADING MAGAZINE INTO PISTOL / FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET				1			1	3	3	4
3	GRIP/ POIGNEE					1	1	2	3	4	1
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE							2	5	5	
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE				1	2		2	3	2	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							1	4	2	
7	TRIGGER/ DETENTE						3	4	1	3	1
8	SIGHTS NORMAL LIGHT/ MIRRES ECLAIRAGE NORMAL	1			1	1	1	1	4	3	
9	SIGHTS LOW LIGHT/ MIRRES ECLAIRAGE FAIBLE	2		1	1	1		1	1	2	1
10	RECOIL/ RECUIL				1	1	2	3	2	2	1
11	MUZZLE FLASH/ LUEUR DE BOCHE	1				1	1	4	2	3	
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	2		1	1	3	1	2	1		3
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		2		1	1	3		4		1
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				1		1	4	5		1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to eject / Éjection defectueuse	1	Centaure 147 grain

SHOOTER'S COMMENTS

The comments were almost equally divided between a "dislike" or a "like" for the trigger. While described as a double action only, this trigger is unique in design and pull.

The magazines do not drop freely when empty and often had to be pulled out.

The magazine release button was hard to reach without shifting the grip.

The majority of the shooters found the grip to be very good and fit their hands well. There were several comments from shooters who found the grip on the large side or too slippery to hold onto.

Magazines were found to be hard to load. This is a common complaint and a magazine loader should be considered with this pistol.

COMMENTAIRES DU TIREUR

Les commentaires étaient divisés également entre "n'aime pas" et "aime" pour la détente. Cette détente est unique en conception et en force de détente, même si elle est décrite comme étant action double seulement.

Les chargeurs ne se libèrent pas lorsqu'ils sont vides et souvent ont besoin d'être retirés.

Le bouton de l'arrêteur du chargeur était difficile à atteindre sans changer la position de la poignée.

La majorité des tireurs ont trouvé la poignée comme étant très satisfaisante et une bonne taille pour leurs mains. Quelques tireurs l'ont trouvée un peu grosse ou trop glissante à retenir.

Les chargeurs étaient difficiles à remplir. Ceci est une plainte commune et un remplisseur de chargeur devrait être considéré avec ce pistolet.



**GLOCK MODEL 19 - 9MM.**

Manufacturer/ Fabricant	Glock
Model / Modèle	19
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Glock "Safe Action" Glock
Barrel length Longueur du canon	101 mm 4.01"
Overall length Longueur totale	174 mm 6.85"
Height / Hauteur	124 mm 4.88"
Width of frame Largeur de la carcasse	30 mm 1.18"
Weight Loaded Poids chargé	836 g 29.5 oz.
Sights / Mires	White contrast elements Éléments de contraste blancs
Finish / Fini	Slide: black Culasse: noir Frame: Polymer Carcasse: matière synthétique
Grip / Poignée	Integral with frame Intégrée avec la carcasse

GLOCK MODEL/MODELE: 19 CALIBRE: 9MM

F-2  
F-4  
F-5

MODEL/MODELE: 19

GLOCK

F-2  
F-4  
F-5

MODEL/MODELE: 19 CALIBRE: 9MM

F-2  
F-4  
F-5

MODEL/MODELE: 19

GLOCK

F-2  
F-4  
F-5

HAND SIZE  
GRANDEUR DE LA MAIN "B" TOTAL 25

HAND SIZE  
GRANDEUR DE LA MAIN "A" TOTAL 7

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		1	1	1	4	2	6	6	2	1
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET		1	1	1	1	1	10	10	1	1
3	GRIP/ POIGNEE		2	3	1	1	4	1	9	2	
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE		2	1	2	3	5	8	2	1	
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE		2	1	1	3	1	4	7	2	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE			1	2		5	2	2	2	
7	TRIGGER/ DETENTE		1	2	2	6	1	4	3	2	3
8	SIGHTS NORMAL LIGHT/ MIRESECLAIRAGE NORMAL		1			1	2	4	12	4	1
9	SIGHTS-LOW LIGHT/ MIRESECLAIRAGE FAIBLE		1	1	2			1	6	4	8
10	RECOIL/ RECU			2	5	3	3	3	3	3	
11	MUZZLE FLASH/ LUEUR DE BOUCHE		1	1	4	5	5	6	3		
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR		3	1	5	5	2	1	5	2	1
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		7	5	2	1	1	1	2	3	
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION				2	3	5	8	4		

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR		2				2	1	1	1	1
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET						1	1	3	2	
3	GRIP/ POIGNEE		1				2		2	1	1
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE						1	3	2		1
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE		1				2	2	1		
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE							3	1	1	1
7	TRIGGER/ DETENTE		1					1	1	3	1
8	SIGHTS NORMAL LIGHT/ MIRESECLAIRAGE NORMAL					2			2	2	1
9	SIGHTS-LOW LIGHT/ MIRESECLAIRAGE FAIBLE		1					1	1	3	1
10	RECOIL/ RECU							3	1	2	1
11	MUZZLE FLASH/ LUEUR DE BOUCHE		1					1	1	3	1
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR		1	2				1	1	1	
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		2					2		1	
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					1	3		2	1	

GLOCK MODEL/MODELE 19 CAL .E: 9MM

GLOCK MODEL/MODELE: 19 CALIBRE: 9MM  
 F-2 HAND SIZE  
 PISTOL: F-4 GRANDEUR DE LA MAIN "C" TOTAL 8  
 PISTOLET: F-5

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to go into the battery / N'a pas entré dans la batterie	2 1	American Eagle Federal FMJ
Slide locked open before magazine empty / Culasse verrouillée ouverte avant que le chargeur soit vide	2 1	Federal 147 -Federal FMJ American Eagle
Trigger jammed on last shot / Détoné enrayée sur la dernière balle	1	
Slide closed when magazine inserted / Culasse refermée lorsque le chargeur est insérer	1	

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR										
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1		1	3	3	
3 GRIP/ POIGNEE			1		2		1	3		
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE					1	1	1	3	2	
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE			1		2	2	2	1		
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								2		1
7 TRIGGER/ DETENTE					1		1	2	1	3
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL							2	2	3	1
9 SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE								1	1	2
10 RECOIL/ RECLL				1		1		4	1	1
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1		1		4	1	1
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	1		1	1	1	1		3		
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR				1	1	2	1			2
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					1		1	5	1	

SHOOTER'S COMMENTS

In this model more shooters disliked this trigger than liked it. The comments were "too heavy a pull" to not liking the unusual take-up on the Glock trigger.

The majority of the shooters rated the fact that the magazine does not drop free and must be forced into the pistol as a negative.

Most shooters had difficulty locating the magazine release.

Seven shooters rated the recoil of this model as heavy.

Some Size B and C shooters found the grip of this pistol too small. An equal number of Sizes A and B shooters rated this grip as very good. This pistol fits persons with smaller hands better.

COMMENTAIRES DU TIREUR

Plus de tireurs n'ont pas aimés la détente de ce modèle que ceux qui l'ont aimés. Les commentaires étaient "la force de détente trop lourde" à...

La majorité des tireurs ont considéré que le fait que le chargeur ne se libère pas et doit être forcé dans le pistolet comme étant négatif.

La plupart des tireurs avaient de la difficulté à trouver l'arrêteur du chargeur.

Sept tireurs ont considéré que la force de recul de ce modèle est trop forte.

Quelques tireurs de grandeur B et C ont trouvé que la poignée de ce pistolet est trop petite. Un nombre égale de tireurs de grandeurs A et B l'ont trouvée très bonne. Ce pistolet s'adapte mieux aux personnes avec des petites mains.

GLOCK MODEL 22 - 40 S&W	
Manufacturer/ Fabricant	Glock
Model Modèle	22
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Glock "Safe Action" Glock
Barrel length Longueur du canon	114 mm 4.49"
Overall length Longueur totale	185 mm 7.28"
Height / Hauteur	136 mm 5.35"
Width of frame Largeur de la carcasse	30 mm 1.18"
Weight Loaded Poids chargé	934 g 33 oz.
Sights / Mires	Three luminous dots Trois points lumineux
Finish / Fini	Slide: black Culasse: noir
Grip / Poignée	Frame: Polymer Carcasse: matière synthétique
	Integral with frame Intégrée avec la carcasse



GLOCK MODEL/MODELE: 22 CALIBRE: 40 S. & W.

F-25 F-26 HAND SIZE F-28  
 PISTOL: F-26 HAND SIZE  
 PISTOLET: F-28 GRANDEUR DE LA MAIN "B" TOTAL 48

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR			1		3	7	4	13	14	6
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET		1			2	2	3	17	17	6
3 GRIP/ POIGNEE				3	5	7	9	10	10	4
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE				3	1	2	15	16	8	2
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE	2	3	7	5	4	7	7	8	3	1
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE			1	1		1	3	11	3	5
7 TRIGGER/ DETENTE			1	2	4	1	10	10	14	6
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL						6	7	10	17	8
9 SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1				1		1	4	14	25
10 RECOIL/ RECOIL	1		1	7	5	5	8	16	4	1
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1	2	9	7	15	12	2
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	3	4	4	2	9	6	7	7	4	2
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR	2	5	5	1	9	10	5	8	1	
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION			1	1	3	6	11	19	7	

GLOCK MODEL/MODELE: 22 CALIBRE: 40 S. & W.

F-25 F-26 HAND SIZE F-28  
 PISTOL: F-26 HAND SIZE  
 PISTOLET: F-28 GRANDEUR DE LA MAIN "A" TOTAL 3

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR							1	1	1	
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET							1	1	1	1
3 GRIP/ POIGNEE				1				1	1	
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE			1				1	1		
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE	1			1			1			
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE					1			1		
7 TRIGGER/ DETENTE					2			1		
8 SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL			1				1		1	
9 SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE							1		2	
10 RECOIL/ RECOIL				2		1				
11 MUZZLE FLASH/ LUEUR DE BOUCHE					1			2		
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR			1	1			1			
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR		1	2							
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					2			1		

GLOCK

MODEL/MODELE 22

CALIB. 40 SW

F-25 HAND SIZE  
 F-26 GRANDEUR DE LA MAIN "C"  
 F-28 TOTAL

GLOCK MODEL/MODELE: 22 CALIBRE: 40 S. & W. 20

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	1			1	2	1	4	3	4	4
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1		1	6	5	7
3 GRIP/ POIGNEE	1				1	2	7	4	4	1
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE	1		1		2	1	2	7	5	1
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE	1		1	3	2	3	4	4	2	
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE	1							3	3	1
7 TRIGGER/ DETENTE	1			1		2	2	3	5	6
8 SIGHTS-NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL							1	4	8	7
9 SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE								2	4	12
10 RECOIL/ RECUL			2	1		5	3	4	6	1
11 MUZZLE FLASH/ LUEUR DE BOUCHE			1	1		1	4	7	5	
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR			3	2		5	1	7	2	
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR	3	2		2	2	3	4	4	1	
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION	1				1	3	5	6	3	1

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed - hung up on feed ramp / Alimentation défectueuse - accroché sur la rampe d'introduction	4	CCI Gold Dot American Eagle
Slide stayed open - magazine not open / Culasse demeure ouverte - chargeur n'ouvre pas	1	Centaur
Fail to eject / Ejection defectueuse	7	American Eagle Black Talon
Misfires / Coups ratés	4	3D Impact

SHOOTER'S COMMENTS

The most consistent complaint with the Glock pistols is the poor location and size of the magazine release button. This complaint is coupled with the fact that the empty magazines do not drop free from the pistol.

There were numerous comments that the grip was slippery and difficult to hold onto. The raters differed almost equally on this point as many feel the feel of the grip to be quite good.

The above comments related to the grip being hard to hold onto are directly related to the fact that many shooters in all sizes found the recoil of this gun to be too heavy.

The trigger on this pistol is unique. The raters are almost equally divided on whether they like the trigger pull or not. Our observation is that experienced shooters have a definite idea of what they like in a trigger pull, while those less experienced shooters have an open mind and like the trigger pull of the Glock.

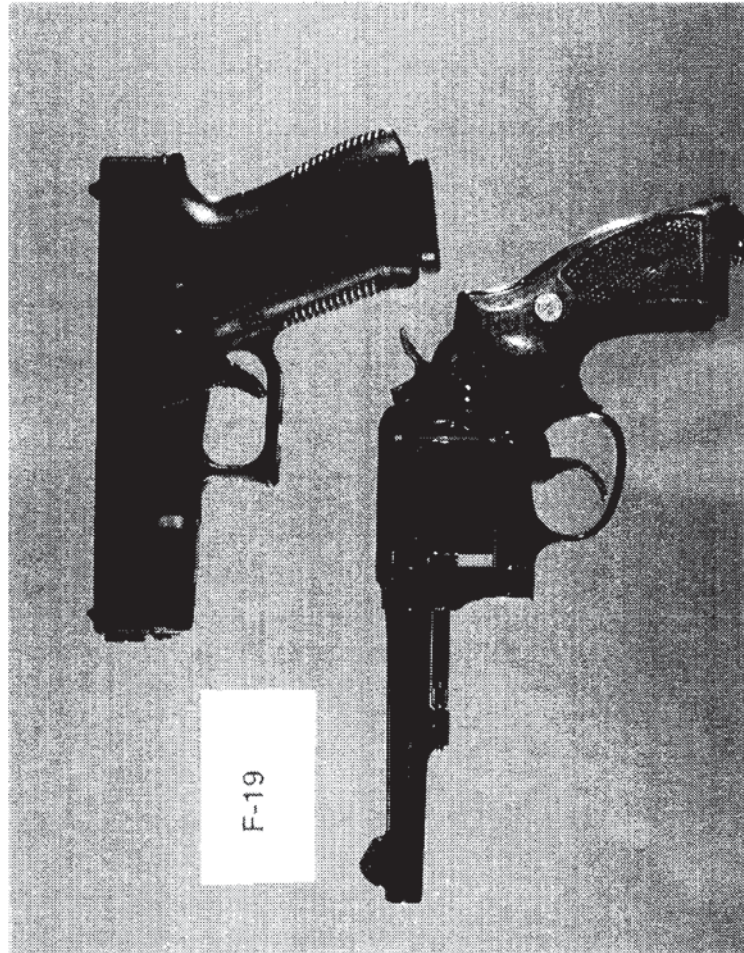
COMMENTAIRES DU TIREUR

La plainte la plus régulière au sujet des pistolets Glock est la mauvaise position et la taille du bouton de l'arrêteur du chargeur. Cette plainte est ajoutée au fait que les chargeurs vides ne se libèrent pas du pistolet.

Il y avait de nombreux commentaires traitant du fait que la poignée était glissante et difficile à retenir. Les évaluateurs étaient égales sur ce point, car plusieurs d'entre eux étaient de l'avis que la poignée était bonne.

Les commentaires ci-haut mentionnés au sujet de la poignée étant difficile à retenir sont reliés directement au fait que plusieurs tireurs dans toutes les grandeurs ont trouvé la force de recul de ce pistolet trop forte.

La détente de ce pistolet est unique. Les évaluateurs sont divisés également entre ceux qui aiment la force de la détente et ceux qui ne l'aiment pas. Notre observation est que les tireurs expérimentés ont une idée fixe de ce qu'ils aiment en ce qui a trait à la force de la détente, tandis que les tireurs qui ont moins d'expérience ont l'esprit plus ouvert et aiment la force de détente du Glock.



<b>GLOCK MODEL 23 - 40 S&amp;W</b>	
Manufacturer/ Fabricant	Glock
Model Modèle	23
Caliber Calibre	.40 S&W
Magazine capacity Capacité du chargeur	13
Safety Sûreté	Internal Interne
Type of Action Genre d'action	Glock "Safe Action" Glock
Barrel length Longueur du canon	102 mm 4.02"
Overall length Longueur totale	174 mm 6.85"
Height / Hauteur	124 mm 4.88"
Width of frame Largeur de la carcasse	30 mm 1.18"
Weight Loaded Poids chargé	851 g 30 oz.
Sights / Mires	Three luminous dots Trois points lumineux
Finish / Fini	Slide: black Culasse: noir Frame: Polymer Carcasse: matière synthétique
Grip / Poignée	Integral with frame Intégrée avec la carcasse

GLOCK MODEL/MODELE: 23 CALIBRE: 40 S. & W.

F-19 F-20 F-21  
 PISTOL: F-19 HAND SIZE  
 PISTOLET: F-21 GRANDEUR DE LA MAIN "B" TOTAL 31

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						2				
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET				1	2	3	6	10	4	5
3	GRIP/ POIGNEE	1	3	2	5	2	3	2	9	1	3
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE				1	1	6	6	3	9	2
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE		2	4	4	9	3	3	7	1	
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1	1	2	2	2	2	2
7	TRIGGER/ DETENTE		2	2	3	2	4	2	4	6	6
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL				1	1		2	7	8	9
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	1	2		2	1	2	3	3	9	3
10	RECOIL/ RECOL	2	2	1	7	3	7	4	3	1	1
11	MUZZLE FLASH/ LUEUR DE BOUCHE				1	3	7	2	10	5	1
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	1	1	4	5	5	8	3	3	1	1
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR	6	4	5	5	2	5	1	2		
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION		1	2	6	6	6	7	9	1	1

GLOCK MODEL/MODELE: 23 CALIBRE: 40 S. & W.

F-19 F-20 F-21  
 PISTOL: F-19 HAND SIZE  
 PISTOLET: F-21 GRANDEUR DE LA MAIN "A" TOTAL 10

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR	1				1	2	4	1		1
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					1	2	3	2	2	
3	GRIP/ POIGNEE	1	1		1	5		2			
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE				1	2	2	3	1	1	
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE	1		2	1	2	1	2			
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE				1		2	1			
7	TRIGGER/ DETENTE			1		4	2	1	1	1	
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL		1	1		2	3	2	1		
9	SIGHTS LOW LIGHT/ MIRES ECLAIRAGE FAIBLE	2			1	1		2	4		
10	RECOIL/ RECOL	1	1	2	1	1	1	2	1		
11	MUZZLE FLASH/ LUEUR DE BOUCHE				2	2	3			1	
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	3	1	2	1	1	1	1			
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR	2	2	1	2						1
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION			1	2	3	1	1	1		

GLOCK

MODEL/MODELE: 23

CALIBRE: 40 S. & W.

F-19

HAND SIZE

TOTAL

6

PISTOL:

GRANDEUR DE LA MAIN "C"

MODEL/MODELE 23

CALIBRE . 40 SW

PISTOLET:

GRANDEUR DE LA MAIN "C"

F-20

HAND SIZE

TOTAL

6

RATINGS/COTES	1	2	3	4	5	6	7	8	9	10
1 EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR				1						
2 EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET					3	1	1	1		
3 GRIP/ POIGNEE			1			3	1	1	1	
4 SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE					1		2	2	1	
5 SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE			1			1	1	2	1	
6 EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE								1		
7 TRIGGER/ DETENTE						1	3	1	1	
8 SIGHTS-NORMAL LIGHT/ MIRES-ECLAIRAGE NORMAL	1						1	3	1	
9 SIGHTS-LOW LIGHT/ MIRES-ECLAIRAGE FAIBLE	1							3		
10 RECOIL/ RECOL					1	1	3	1		
11 MUZZLE FLASH/ LUEUR DE BOUCHE				1	1		2	2		
12 MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR	1		1			1	1	2		
13 EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR	1		1		1		1	2		
14 OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION					2		2	2		

Malfunction Défaillance	Number Nombre	Comments Commentaires
Fail to feed / Alimentation défectueuse	2 4 4 5 1	CCI 3D -Remanufactured American Eagle 3D Impact Centaura
Failure to eject / Éjection défectueuse	4	CCI
Failed to stay open /	2 2 3	American Eagle Centaura Winchester Ranger
Falls into battery when magazine is inserted	4	

NOTE: This particular pistol was prone to malfunction with a variety of ammunition. Ammunition with a large blunt nose or large hollow point malfunctioned more often in this pistol.

NOTA: Ce pistolet en particulier avait tendance à des défaillances avec une variété de munitions. Les munitions à pointe ronde ou à pointe creuse a mal fonctionnées plus souvent dans ce pistolet.

SHOOTER'S COMMENTS

The most consistent complaint with the Glock pistols is the poor location and size of the magazine release button. This complaint is coupled with the fact the magazine does not drop free.

The shooters of this pistol were divided in their comments about the grip. The majority of the shooters in the B and C Sizes feel the grip is too small.

The trigger on this pistol is unique. Our observation is that experienced shooters have a definite idea of what they like in a trigger pull, while those less experienced shooters have an open mind and like the trigger pull of the Glock.

Shooters from all three categories found the recoil of this firearm to be very heavy and hard to control.

"Recoil in 40 is much greater than 9MM and causes little people with little hands a lot of difficulty."

COMMENTAIRES DU TIREUR

La plainte la plus r0gulière au sujet des pistolets Glock est la mauvaise position et la taille du bouton de l'arrêtoir du chargeur. Cette plainte est ajoutée au fait que le chargeur ne se libère pas.

Les tireurs de ce pistolet étaient divisés dans leurs commentaires au sujet de la poignée. La majorit0 des tireurs de grandeurs B et C trouve la poignée trop petite.

La detente de ce pistolet est unique. Notre observation est que les tireurs experim&nt ont une idée fixe de ce qu'ils aiment en ce qui a trait à la force de la detente, tandis que les tireurs qui ont moins d'expérience ont l'esprit plus ouvert et aiment la force de detente du Glock.

Des tireurs des trois categories ont trouvé la force de recul de cette arme forte et difficile à contrôler.

"La force de recul dans le 40 est beaucoup plus forte que le 9MM et cause de la difficult6 aux petites personnes qui ont de petites mains."

## **ARMOURER'S COMMENTS / COMMENTAIRES DE L'ARMURIER**

### **PREFACE**

Overall, the 9 x 19 mm pistols were not as prone to malfunctions or to mechanical failures as the .40 S & W pistols.

We have found that some of the small springs in semi-automatic pistols are best changed as a matter of routine maintenance. Extractor springs, firing pin springs, and trigger return springs should be changed at 5000 round intervals. We will be more specific in regards to maintenance on certain pistols.

### **AVANT-PROPOS**

En général, les pistolets 9 x 19 mm n'étaient pas autant predisposes aux défaillances ou défauts mécaniques que les pistolets .40 S & W.

Nous avons déterminé que certains ressorts dans les pistolets semi-automatiques devraient être remplacés comme mesure d'entretien routinière. Le ressort de l'extracteur, le ressort du percuteur et le ressort de rappel de la détente devraient être changés à tous les cinq milles coups. Nous serons plus spécifique en ce qui concerne l'entretien de certains pistolets.

**MECHANICAL FAILURE**

1. Model 22, .40 S. & W., broke the trigger pin at 9664 rounds.
2. The 9 mm, Model 17, had no mechanical failures.

**SUGGESTED MAINTENANCE**

Replace the trigger pin and the drawbars at 5000 rounds.

See the general comments. As we were limited in the number of pistols evaluated, no further specific maintenance was indicated.

**WARNING:** To field strip this pistol for routine maintenance, the user must close the action and pull the trigger. Care must be taken to ensure that the chamber is empty prior to disassembly.

**DÉFAILLANCE MÉCANIQUE**

1. Le pivot de la detente du calibre .40 S. & W., modele 22, a cassé à 9,664 coups.
2. Le 9 mm, modele 17, n'a eu aucune défaillance mécanique .

**L'ENTRETIEN SUGGÉRÉ**

Remplacer le pivot de la detente et l'étrier après 5,000 coups.

Voir les commentaires generaux. Étant donné le nombre limité de pistolets évalués, aucun autre entretien spécifique n'a été indiqué.

**AVERTISSEMENT:** Afin de demonter ce pistolet pour faire l'entretien routinier, l'action doit Ctre fermée et on doit appuyer sur la detente. Il faut s'assurer que la chambre est vide avant de procéder au démontage.

See attached comments on magazine and extended magazine catch button.

**SUBJECT:**

**GLOCK STEEL LINED MAGAZINES  
GLOCK EXTENDED MAGAZINE  
RELEASE**\_\_\_\_\_

Shortly before the completion of this report, the above- mentioned items were forwarded to the RCMP Armourer Section for evaluation.

As the evaluation process was concluded, only a brief review was possible in order to meet time restraints.

Although the testing was minimal, it appeared the magazines are a marked improvement from previous designs. Magazines were tested fully loaded with 17 rounds and empty -- they fell freely from the pistol under their own weight with only the depression of the magazine catch button.

Voir les commentaires ci-joints au sujet du chargeur et du bouton allongé de l'arrêteur du chargeur.

**SUJET:**

**CHARGEUR CHEMISÉ EN ACIER  
DE GLOCK  
RALLONGE DE L'ARRÊTOIR DU  
CHARGEUR ALLONGÉ DE GLOCK**

Juste avant que ce rapport soit complete, les items ci-haut mentionnés furent soumis à l'Armurerie de la G.R.C. pour evaluation.

Puisque l'évaluation était terminée, rien qu'une brève révision fut possible afin de rencontrer la date d'échéance. Quoique la recherche fut minimale, celle-ci a révélée que le chargeur était une amélioration marquée de la conception précédente. Les chargeurs furent vérifiés remplis à pleine capacité avec 17 balles et vides -- ils tombaient librement du pistolet sous leur propre poids seulement qu'en appuyant sur le bouton de l'arrêteur du chargeur.

There were no malfunctions with approximately 100 rounds of testing.

Also, briefly reviewed was the extended magazine catch button. It was noted by the RCMP Firearms Instructors that although it is easier to release magazines, its pronounced extension may cause accidental release and would likely not be recommended for a service firearm. Left-handed people may be even more apt to accidentally depress the magazine catch button.

Il n'a eu aucune défaillance avec environ 100 balles tirées en évaluation.

Le bouton de l'arretoir du chargeur a aussi été brièvement revu. Il fut noté par les instructeurs de tirs de la G.R.C. que même s'il est plus facile de libérer le chargeur, sa rallonge prononcée pourrait causer une libération accidentelle, et qu'elle ne serait probablement pas recommandée pour une arme de service. Les gauchers seraient peut-être plus aptes à dépresser accidentellement le bouton de l'arretoir du chargeur.

## Section VII - Browning

MANUFACTURER MANUFACTURIER	MODEL MODÈLE	CALIBER CALIBRE	# ROUNDS COUPS	PISTOL # PISTOLET #
BROWNING	BDM	9 MM.	10,086	H-1
TOTAL / TOTALE			10,086	



**BROWNING MODEL BDM - 9MM.**

Manufacturer/ Fabricant	Browning
Model Modele	BDM
Caliber Calibre	9 MM
Magazine capacity Capacité du chargeur	15
Safety Sûreté	Manual and internal Manuelle et interne
Type of Action Genre d'action	Double action only or double action Double action uniquement ou double action
Barrel length Longueur du canon	120 mm 4.73"
Overall length Longueur totale	199 mm 7.85"
Height / Hauteur	138 mm 5.45"
Width of frame Largeur de la carcasse	34 mm 1.34"
Weight Loaded Poids chargé	1,063 gr. 37.5 oz.
Sights / Mires	Three white dots Trois points blancs
Finish / Fini	Non-reflective blue Bleue non-reflexif
Grip / Poignée	Black plastic Plastique mat



BROWNING

MODEL/MODELE: BDM

CALIBRE: 9MM

PISTOL: H-1 HAND SIZE

PISTOLET: H-1 GRANDEUR DE LA MAIN "C"

TOTAL

3

RATINGS/COTES		1	2	3	4	5	6	7	8	9	10
1	EASE OF LOADING CARTRIDGES INTO MAGAZINE/ FACILITE DE GARNIR LE CHARGEUR						1		2		
2	EASE OF LOADING MAGAZINE INTO PISTOL/ FACILITE D'INSERER LE CHARGEUR DANS LE PISTOLET									3	
3	GRIP/ POIGNEE	1						1	1		
4	SLIDE MANIPULATION/ MANIPULATION DE LA CULASSE							1	2		
5	SLIDE RELEASE LEVER/ ARRETOIR DE LA CULASSE	1							2		
6	EASE OF SAFETY OPERATION/ FACILITE D'ENGAGEMENT DE LA SURETE						1		2		
7	TRIGGER/ DETENTE	1	1					1			
8	SIGHTS NORMAL LIGHT/ MIRES ECLAIRAGE NORMAL					1		1		1	
9	SIGHTS-LOW LIGHT/ MIRES ECLAIRAGE FAIBLE		1			1	1				
10	RECOIL/ RECU				1				1	1	
11	MUZZLE FLASH/ LUEUR DE BOUCHE							1	1	1	
12	MAGAZINE RELEASE BUTTON/ ARRETOIR DU CHARGEUR								1	1	1
13	EASE OF MAGAZINE REMOVAL/ FACILITE D'ENLEVER LE CHARGEUR						1			1	1
14	OVERALL EASE OF OPERATION/ FACILITE D'UTILISATION			1					2		

BROWNING

MODEL/MODELE BDM

CALIBRE: 9MM

<b>Malfunction Défaillance</b>	<b>Number Nombre</b>	<b>Comments Commentaires</b>
Slide closed on loading / Culasse s'est refermée durant le chargement	4	
Fail to feed / Alimentation defectueuse	2	Ball ammunition / munitions à balle <b>ordinaire</b>

SHOOTER'S COMMENTS

About half of the shooters found the trigger pull long and heavy.

About half the shooters did not like, and commented on the proximity of the safety and slide release.

COMMENTAIRES DU TIREUR

A peu près la moitié des tireurs ont trouvé que la détente était longue et lourde.

Près de la moitié des tireurs n'ont pas aimés et ont commenté sur la proximité du cran de sécurité et l'arrêtoir de la culasse.

## **ARMOURER'S COMMENTS / COMMENTAIRES DE L'ARMURIER**

### **PREFACE**

Overall, the 9 x 19 mm pistols were not as prone to malfunctions or to mechanical failures as the .40 S & W pistols.

We have found that some of the small springs in semi-automatic pistols are best changed as a matter of routine maintenance. Extractor springs, firing pin springs, and trigger return springs should be changed at 5000 round intervals. We will be more specific in regards to maintenance on certain pistols.

### **AVANT-PROPOS**

En général, les pistolets 9 x 19 mm n'étaient pas autant predisposes aux défaillances ou défauts mécaniques que les pistolets .40 S & W.

Nous avons determine que certains reeorts dans les pistolets semi-automatiques devraient être remplacés comme mesure d'entretien routinière. Le ressort de l'extracteur, le ressort du percuteur et le ressort de rappel de la detente devraient être changes à tous les cinq milles coups. Nous serons plus spécifique en ce qui concerne l'entretien de certains pistolets.

## **BROWNING**

### **MECHANICAL FAILURE**

1. Pistol - mode selector non-functional at approximately 6000 rounds.
2. The recoil spring was severely weakened at approximately 7000 rounds - the recoil spring guide rod was heavily scored.

### **SUGGESTED MAINTENANCE**

Replace the recoil spring and guide rod at 5000 rounds.

**NOTE:** Browning submitted only one pistol in 9 x 19 MM for testing. This pistol worked very well, however, we feel that the sample size is too small for a meaningful evaluation.

### **DÉFAILLANCE MÉCANIQUE**

1. Pistolet - sélecteur de mode ne fonctionnait plus à environs six milles coups.
2. Le ressort récupérateur Ctait sévèrement afaibli après environs sept milles coups - la tige guide Ctait beaucoup marquee.

### **L'ENTRETIEN SUGGÉRÉ**

Remplacer le ressort récupérateur et sa tige à 5,000 coups.

**NOTA:** Browning a soumis seulement un pistolet du calibre 9 x 19 mm pour l'évaluation. Ce pistolet a très bien fonctionne, cependant, nous sommes de l'avis que l'échantillon Ctait trop petite pour permettre une evaluation significative.

**Appendix "A" to "L"**

**Annexe «A» à «L»**

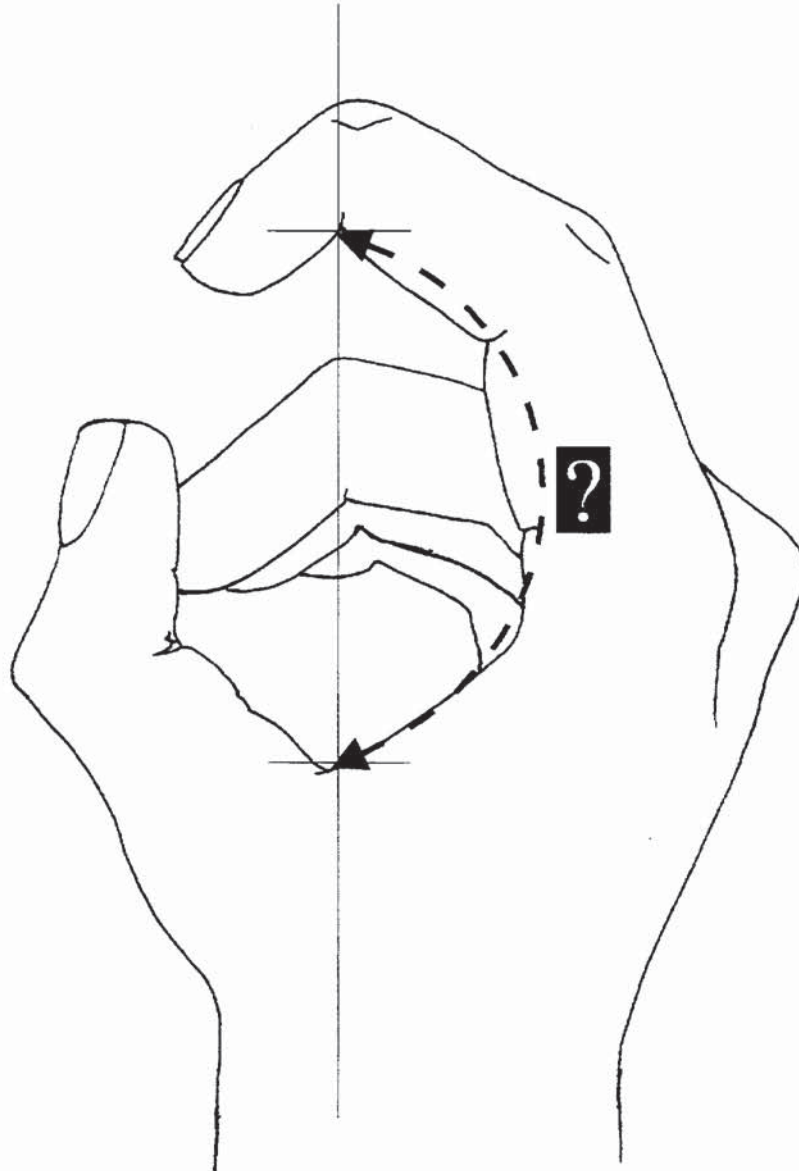




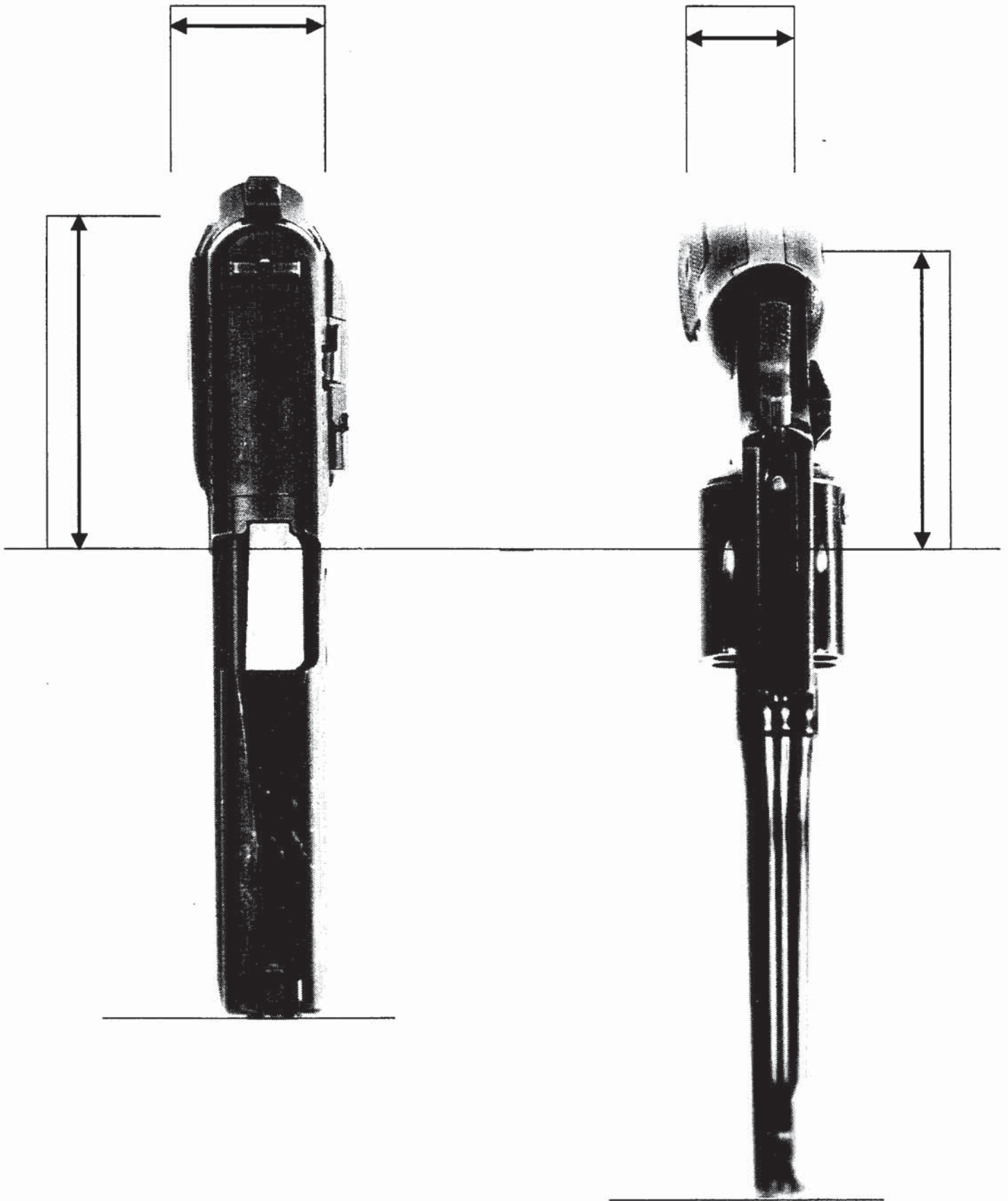
MALLET	ERIC	A-8	E-2	H-1	F-20	A-3	A-4	E-17	B-3	F-28	B-16	D-13	C-23	D-30	C-46	D-23	F-13	D-6	B-42	E-20	E-19	B-7	
MALLET	DENIS	E-6	D-23	F-25	F-14	B-3	E-21																
MALONEY	J-E	E-7	E-10	C-46	B-5	B-16																	
MARCOUX	MARIO	D-12	A-7	E-18	E-3	B-9	B-40	B-41	F-19	C-20	F-4												
MARINELLI	L	E-18	D-31	B-15	B-2																		
MARTIN	P	E-8																					
MARTIN	A-W																						
MARTIN	A-W																						
MCLEOD	R-A	D-31																					
MCLEOD	R-A	D-13	B-14	F-10	E-12	D-31																	
MIHALCHEON	B	D-13	D-23	B-40	E-19	A-4																	
MILLER	D-P	B-16	D-23	D-13	F-20	A-1	B-9																
MOORE	L-W	B-42	E-7	B-3	D-13																		
MORRIS	I	H-1	B-3	D-13																			
MORRIS	JAN	D-31	A-4	C-20	B-14																		
MORTON	S-B	E-21	F-5	B-41	D-26	B-15																	
MORTON	J-H	B-7	A-3	E-19	F-2																		
MOSES	J-H	B-7	A-3	E-19	F-2																		
MOULE	MIKE	B-14	E-20																				
MUSSELL	T-I	E-8	B-9	D-31	A-1	F-20																	
MUSSELL	T-I	E-8	B-9	D-31	A-1	F-20																	
McDONALD	MIKE	E-8	E-12	F-4	B-14	D-14	C-20	A-7															
McDONALD	MIKE	E-8	E-12	F-4	B-14	D-14	C-20	A-7															
McKNIGHT	B	A-1	B-41																				
McNEIL	E	D-27	E-18	F-25	E-3	A-1	B-9	E-8															
McNEIL	E	D-27	E-18	F-25	E-3	A-1	B-9	E-8															
McDUGALL	ALAN	B-5	D-13	A-8																			
McDUGALL	ALAN	B-5	D-13	A-8																			
McGILL	TIM	F-25																					
McGILL	TIM	F-25																					
McKIMMIE	P-S	E-3																					
McMURCHY	R-S	B-41	E-9	A-8	F-28																		
McMURCHY	R-S	B-41	E-9	A-8	F-28																		
McMURDY	BARRY	E-7																					
McMURDY	BARRY	E-7																					
MADEAU	N	E-21	F-19																				
MADEAU	N	E-21	F-19																				
NIVEN	JIM	A-3																					
NIVEN	JIM	A-3																					
O'REILLY	JOHN	B-2	C-30	B-2	E-21	B-9	D-14	B-40	F-14														
O'REILLY	JOHN	B-2	C-30	B-2	E-21	B-9	D-14	B-40	F-14														
OCKLE	K	F-26	D-30																				
OCKLE	K	F-26	D-30																				
OKULOSKI	D	B-41	D-30																				
OKULOSKI	D	B-41	D-30																				
OLIVER	H-1	H-1	B-9																				
OLIVER	H-1	H-1	B-9																				
OLSEN	J	E-21	F-19																				
OLSEN	J	E-21	F-19																				
OMAN	O	C-47	A-8	E-1	B-3	E-5																	
OMAN	O	C-47	A-8	E-1	B-3	E-5																	
OHOKREYCHUK	B-W	B-9	E-19	B-15	D-12																		
OHOKREYCHUK	B-W	B-9	E-19	B-15	D-12																		
OWENS	GARY	E-12	C-20	F-20	E-17																		
OWENS	GARY	E-12	C-20	F-20	E-17																		
OWENS	DALE	D-13	F-19	A-7	B-16	E-19																	
OWENS	DALE	D-13	F-19	A-7	B-16	E-19																	
PARE	JEAN-MARC	B-15	F-4	D-30	A-3	E-11																	
PARE	JEAN-MARC	B-15	F-4	D-30	A-3	E-11																	
PAVLICIK	DANIEL	D-30																					
PAVLICIK	DANIEL	D-30																					
PEARSON	NEILL	D-6	E-12	F-14	E-21																		
PEARSON	NEILL	D-6	E-12	F-14	E-21																		
PELLETIER	MARIO	E-20	E-2	H-1	A-3	B-5	E-6	A-8	D-13	A-4	B-16	A-3	C-23	F-5	F-13	F-21	D-30	D-6	A-8	B-7	E-20	C-32	
PELLETIER	MARIO	E-20	E-2	H-1	A-3	B-5	E-6	A-8	D-13	A-4	B-16	A-3	C-23	F-5	F-13	F-21	D-30	D-6	A-8	B-7	E-20	C-32	
PELLETIER	A	B-15	F-4	E-9	D-31	E-10	B-7																
PELLETIER	A	B-15	F-4	E-9	D-31	E-10	B-7																
PERRY	D-R	B-41	F-25	B-14	D-27	E-8	D-12																
PERRY	D-R	B-41	F-25	B-14	D-27	E-8	D-12																
PETERSON	C	C-30	E-20	B-5	F-20	E-6																	
PETERSON	C	C-30	E-20	B-5	F-20	E-6																	
PETTITT	S	B-15	E-18	D-31	F-20	B-3	E-7																
PETTITT	S	B-15	E-18	D-31	F-20	B-3	E-7																
PHAIR	T	F-10	D-30	B-14	F-20	B-3	E-7																
PHAIR	T	F-10	D-30	B-14	F-20	B-3	E-7																
PHILLIPS	T	F-10	D-30	B-14	F-20	B-3	E-7																
PHILLIPS	T	F-10	D-30	B-14	F-20	B-3	E-7																
PHIMAN	D	B-14	F-25	D-30																			
PHIMAN	D	B-14	F-25	D-30																			
PINNELL	D	B-14	F-25	D-30																			
PINNELL	D	B-14	F-25	D-30																			
PITTMAN	D	B-16	D-13	F-14	F-28	E-8	E-17																
PITTMAN	D	B-16	D-13	F-14	F-28	E-8	E-17																
PLANTE	MARC	B-15	C-23	F-21	F-10	F-5	B-3	E-19	C-32	D-23	A-3	D-13											
PLANTE	MARC	B-15	C-23	F-21	F-10	F-5	B-3	E-19	C-32	D-23	A-3	D-13											
PLANTE	TOM	A-3	B-42	F-13	F-25	E-19	D-27																
PLANTE	TOM	A-3	B-42	F-13	F-25	E-19	D-27																
POIRER	C	B-41	F-14	F-25	D-27	E-21	E-7	B-2	A-1	E-3	B-40												
POIRER	C	B-41	F-14	F-25	D-27	E-21	E-7	B-2	A-1	E-3	B-40												
POPOWICH	BRAD	B-2	E-20	F-10	D-31																		
POPOWICH	BRAD	B-2	E-20	F-10	D-31																		
POWASCHUK	A	F-25	A-1																				
POWASCHUK	A	F-25	A-1																				
PRETO	EDWARD	B-16	F-13	A-3	D-30	E-8	C-47	B-7															
PRETO	EDWARD	B-16	F-13	A-3	D-30	E-8	C-47	B-7															
PREVOST	G	B-15	F-26																				
PREVOST	G	B-15	F-26																				
RAINVILLE	N	E-6	E-2	E-17	A-4	B-5	C-23	F-20	F-21	A-8	D-7	H-1											
RAINVILLE	N	E-6	E-2	E-17	A-4	B-5	C-23	F-20	F-21	A-8	D-7	H-1											
RAWSON	DWAYNE	E-1	F-28	B-15	F-13	C-30	D-30	B-7															
RAWSON	DWAYNE	E-1	F-28	B-15	F-13	C-30	D-30	B-7															



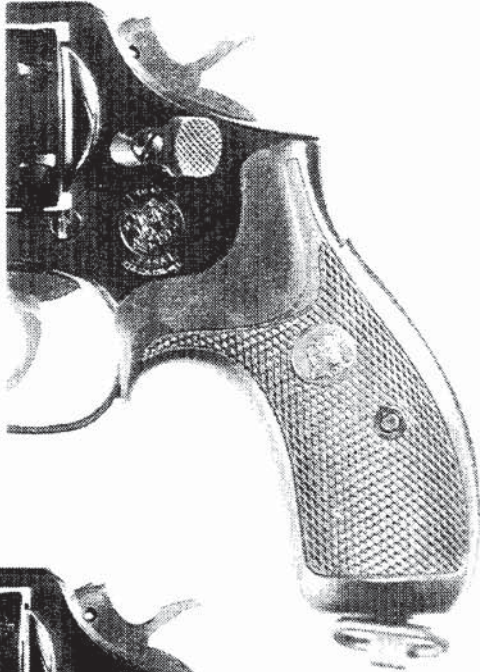
# Proper Method of Measuring Hand for Grip Size



Façon de mesurer la main  
pour déterminer  
la grosseur de la poignée



# To Determine Your Grip Size Comment déterminer la grosseur de la poignet



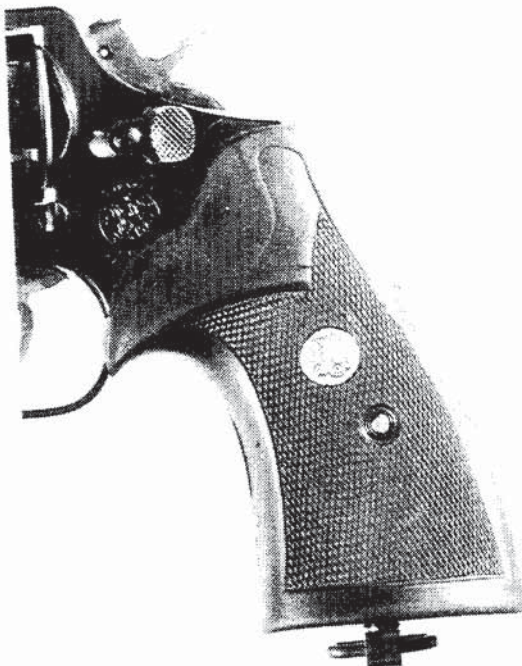
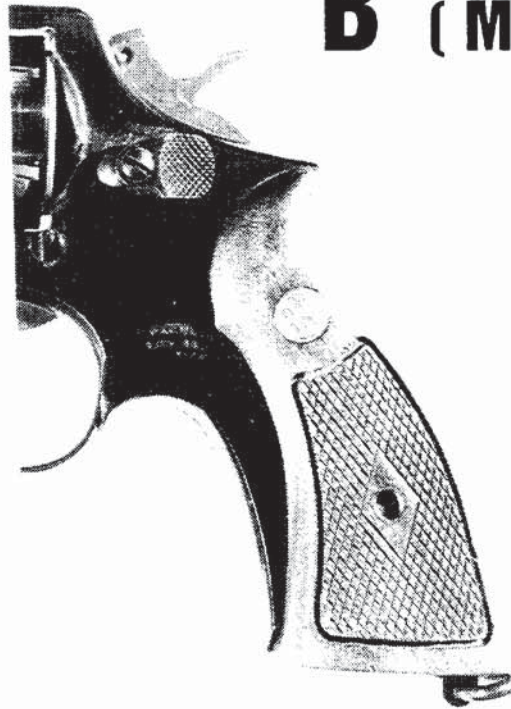
## **A** ( SMALL / PETIT)

Round Butt /  
Crosse arrondie



## **B** ( MEDIUM / MOYEN)

Hogue Grip or  
Standard Service Grip /  
Poignée Hogue ou  
Poignée réglementaire



## **C** ( LARGE \ LARGE

Rubber Grip -  
Backstrap Enclosed  
Poignée en caoutchouc -  
dos de crosse recouvert

AMMUNITION USED

MUNITIONS UTILISÉES

<b>.40 SMITH &amp; WESSON</b>	
<b>COMPANY / COMPAGNIE</b>	<b>TYPE / GENRE</b>
Centaure, Laval, Québec	.40 S. & W., 180 gr.
Federal Cartridge Co.	0278-P40HSIG, 180 gr., JHP
	0278-AE40FP, 180 gr., FMJ
	0278-P40HS2G, 155 gr., JHP
CCI/Speer Blazer	591-3477, 180 gr., TMJ
CCI, Gold Dot Series	0591-53961, 155 gr., HP
	0591-53962, 180 gr., HP
Winchester	Black Talon, 180 gr., HP
	Silvertip, 155 gr., HP
	Silvertip, 180 gr., JHP
3-D Impact	0788-140JH180, 180 gr.
3-D Reloads	0788-180JH180, 180 gr., TMJ

9 X 19 MM	
COMPANY / COMPAGNIE	TYPE / GENRE
Centaure, Laval, Québec	147 gr., Subsonic
Federal Cartridge Co.	0278-AE9DP, 115 FMJ
	0278-P9HS2G, 147 gr., JHP
	0278-AE9AP, 124 gr., FMJ
CCI/Speer Blazer	0591-3460, 124 gr., TMJ
3-D Impact	0788-19JH147, 147 gr. H/XTP
Winchester	Black Talon, 147 gr.

**ACCURACY TEST**

Following the initial selection of the 62 pistols to be evaluated, an accuracy test was conducted.

This test consisted of firing each pistol a total of 10 rounds from a sandbag rest into a B-27 target at a range of 2.5 meters. To ensure the least amount of shooter error, Cpl. Ed Plitz, a three-time RCMP Connaught Cup winner, was selected to conduct the firing.

At the conclusion of the endurance test, Cpl. Plitz fired the remaining 11 pistols with the same parameters outlined at the initial firing. This also included ammunition of the same lot numbers.

The "before" and "after" targets were then analyzed, and it was determined that all the pistols, with the exception of the B-15, Beretta Model 96D, .40 S. & W., fired to a degree of accuracy which would be acceptable for any known course of fire.

**TEST DE PRÉCISION**

Suite à la selection des soixante-deux pistolets pour l'évaluation, ceux-ci furent soumis a un test de precision.

Ce test consistait de tirer un total de 10 coups d'une position de repos sur un sac de sable, sur une cible B-27 a une distance de 25 mètres. Afin d'assurer le moins d'erreure possible de la part du tireur le cap. Ed Plitz, qui est le détenteur de la Coupe Connaught de la G.R.C. pour trois ans de fil, à été choisi pour tirer .

A la conclusion du test d'endurance. le cap. Plitz a tire les onze pistolets qui restaient suivant les mêmes parametres consider& au debut du test utilisant des munitions provenant des mêmes lots.

Les cibles "avant"- "après" furent analysées concluant que tous les pistolets à l'exception du B-15 de Beretta, modèle 96D, calibre .40 S. & W. , étaient précis à un degré acceptable pour tous les parcours de tir connus.

**COLD WEATHER TEST**

Date: 94-01-14

Time: 1030 hours

Temperature: -25° Celsius

Windchill: -40° Celsius

Six service revolvers and sixty-two pistols representative of the seven manufacturers were loaded with six rounds of service ammunition and subjected to the above-mentioned temperature for the period of 1.5 hours. The pistols were then picked up and fired in the same cold environment.

**EVALUATION EN TEMPÉRATURE FROIDE**

Date: 94-01-14

Heure: 10h30

Temperature: -25° Celsius

Facteur vent: -40° Celsius

Six revolvers de service et soixante-et-deux pistolets représentatifs des sept manufacturiers ont été chargés avec six balles de service et exposés à la température ci-haut mentionnés pour une période d'une heure et demie. Ces mêmes pistolets furent ensuite repris et tirés dans le même environnement.

**COLD WEATHER TEST / ÉVALUATION EN TEMPÉRATURE FROIDE**

<b>RESULTS / RÉSULTATS</b>			
<b>Manufacturer Manufacturier</b>	<b>Failures Échecs</b>	<b>No. Tested No. Évalué</b>	<b>Percentage Failed Pourcentage d'échecs</b>
Heckler & Koch	2	5	40%
Smith & Wesson	1	17	6%
Beretta	3	11	27%
Revolver	1	6	16%
Sig Sauer	0	10	0%
Ruger	0	8	0%
Browning:	0	1	0%
Glock	0	12	0%

## COLD WEATHER TEST / ÉVALUATION EN TEMPÉRATURE FROIDE

### **SUMMARY**

Upon the failure of both the Heckler & Koch and Beretta double-action only pistols, numerous repeated trigger pulls failed to fire the first round. The round was then manually ejected and a second attempt was made with no success.

The Smith & Wesson model did not fire in double action mode, but did fire after manually ejecting the first round.

The failure to fire in the Smith & Wesson service revolver occurred after the first two rounds had been fired in double action mode. The remaining 4 rounds could only be fired in single action mode.

### **RÉSUMÉ**

Suite à l'échec des pistolets Heckler & Koch et du Beretta avec double action seulement, plusieurs tirs de la détente n'ont pas réussi à faire partir la première balle. La balle fut donc éjectée manuellement, et un deuxième essai fait, mais sans succès.

Le pistolet modèle de Smith et Wesson n'a pas tiré en double action, mais il a fonctionné une fois que la première balle a été éjectée manuellement.

L'échec du revolver de service de Smith & Wesson est survenu après que les deux premières balles furent tirées en double action. Les dernières 4 balles n'ont pu être tirées qu'en simple action.



Ontario  
Police  
College

Collège  
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de l'ontario

Ministry of the  
Solicitor General and  
Correctional Services

Ministère du  
Solliciteur général et des  
Services correctionnels

Appendix "F"

P.O. Box 1190  
Aylmer West, Ontario  
N5H 2T2

C.P. 1190  
Aylmer ouest, Ontario  
N5H 2T2

Telephone/Téléphone: (519) 773-5361  
Facsimile/Télocopieur: (5 19) 773-5762 (Administration)  
(5 19) 765-1 5 19 (Registrar)

September 21, 1994

File reference/  
Référence

**Canadian Police Research Centre  
Box 8885  
OTTAWA, ON  
K1G 3M8**

**Attention: Sergeant Ken BEIKO**

Dear Ken:

**Subject: Peer Review - Semi-Automatic Pistol Evaluation Report**

As promised the following is my review report on the above subject.

My overall impression of the evaluation report is that it is well presented and laid out without showing favour toward any manufacturer.

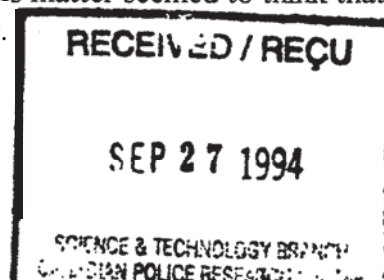
I note that there is no comment about the number of females who participated in the evaluation, although reference is made to the cross-section of evaluators who did participate.

I know that on several occasions in the past where studies have been carried out, this is one area that sometimes raises the question as to how many females were involved and perhaps a number should be included for general information.

It may also be useful if numbers relating to the hand sizes, *A*, *B*, and *C*, were included in the appendix.

I would also like to see a reference made to the evaluation rating numbers 1 through to 10 (the headings on each evaluation of a pistol) to indicate that *1* is "low" and *10* is "high". A couple of people that I spoke to on this matter seemed to think that it would help in realizing where a person's evaluation lay.

Filename: BEIKO.DOC



The following are areas that I found mistakes in spelling or an error in meaning:

*Page 13: GLOCK “safe-action” TRIGGER:*

There is no explanation of how the trigger safety works and all the other pistols have some kind of description of safeties. A brief explanation of this type of safety should be included.

*Page 18:* The bottom line of the last paragraph should read: ...**"were** also noted".

*Page 19:* The paragraph that commence&NOTE: the second to last line should read: "...3 00 rounds were *to* be fired.."

*Section II: BERETTA USA Model 92D - 9 MM:*

The last page, bottom line: ..It would seem that the word "*button*" is missing and should read: "that the *button* is too small".

*Section III:* Throughout all pages, the manufacturer's name should be spelled as "***Sturm***" and not "*Strum*".

*Section IV: GLOCK Model 19*

On the last page of shooters comments, the second paragraph second to last line; this would appear to be incorrect and perhaps should read: .."***forced out of the pistol as a negative***".

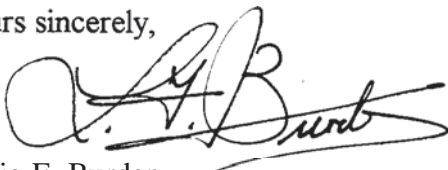
*Section IV: GLOCK Model 23*

On the last page of shooters comments, the last paragraph should read: "...of ***difficulty***"

I trust that the above items will be of assistance to you and I would also like to emphasize my telephone conversation comments, that I was both pleased and honoured to be a part of the evaluation as a representative of the Ontario Police College.

Please feel free to ask for any assistance that you think we may be able to offer you in any other projects in the future.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'L. F. Burden', with a stylized flourish at the end.

Leslie F. Burden  
Firearms Instructor/Armourer



To / À : OIC S&T Br

From / De : C.S. FIREARMS

Subject / Objet : SEMI-AUTOMATIC PISTOL REPORT

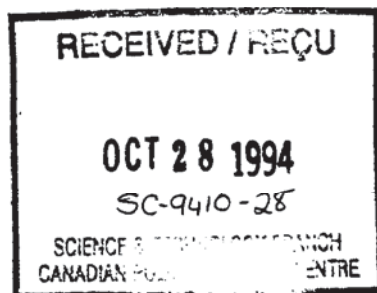
1

Security Classification - Classification de sécurité
UNCLASSIFIED
Our File - Notre référence
GOI 1588-2
Your File - Votre référence
GI 1588-369
Date
- -

This concerns the Semi-Automatic Pistol Evaluation report prepared by the RCMP Armourers Shop in May of 1994. The stated purpose of the report was to evaluate popular pistols that were considered suitable for police issue. The report was intended to provide all the data required by a police department to select a semi-automatic pistol, based on the criteria set out by that department. No recommendations were to be made.

Data tabulated in the report is derived from test firing conducted by RCMP armourers, selected individuals from police agencies across Canada and a RCMP sharpshooter. Other than the pistol specifications and the log of malfunctions during firing, the data is largely subjective. Shooters were asked to fire 100 rounds through a pistol and then rate various aspects of the performance of the pistol on a scale of 1 to 10. Their perceptions were tabulated in the report. While such subjective data may be useful for predicting how well a pistol may be accepted by members of a police department, it does not readily permit assessment of the utility of the pistol for a given police duty or purpose. Many of the subjective assessments could easily have been accomplished through more objective means. Such procedures would have facilitated the selection of the best pistol for a specific purpose and provided a stronger basis on which to defend the choice.

There are several examples of where the subjective protocol could have easily been replaced by more objective procedures. Police departments who are contemplating the acquisition of semi-automatic pistols may wish to conduct such tests themselves for use in conjunction with this report. The examples are given for discussion purposes - no attempt is made to describe the proposed tests in exact and complete detail.



#### EASE OF MAGAZINE CHANGES

For the report, the shooter was asked to comment on the ease of magazine loading and cartridge loading after test firing the pistol. Strong views would be reported in the shooter's comments section.

Instead, the shooter could be given a number of magazines and be asked to sequentially insert and remove the magazines. The process would be timed. Trials involving magazines which are difficult to change would result in longer times.

Likewise the loading of cartridges into magazines could be evaluated objectively.

#### RECOIL

As in the previous case shooters were asked to comment on perceived recoil after test firing.

It is possible to calculate free recoil energy based on bullet weight and velocity and pistol weight. Recoil and muzzle jump can be measured through the use of video imaging, acceleration gauges, etc.

#### ACCURACY

The pistols were test fired by hand by a RCMP sharpshooter. While I do not quibble with the competence of the sharpshooter, it is doubtful that the stability, endurance, impartiality and consistency of a machine rest could be duplicated by a human shooter.

The raw results of the accuracy test were not recorded in the report. Such data should be included.

#### COLD WEATHER TESTS

Given the climate of Canada, more extensive cold weather tests are necessary. Colder temperatures should be employed for those regions which experience such conditions. Also, outdoor cold temperature conditioning should include indoor/outdoor cycling to test the consequences of condensation accumulation with subsequent refreezing.

More than one ammunition type should be employed in the test, otherwise any problems that surface cannot be attributed to either ammunition or firearm. Conditioning times of four hours or more should also be considered.

SHOOTER'S COMMENTS

The shooter's comments are of dubious value. Much space was devoted to chronicling the observation that shooters with small hands preferred the compact models (with smaller grips) and found the larger grips on the standard models difficult to manage, and vice-versa. Other similar complaints concerning the placement of magazine releases, safety levers etc. were noted. Of much more importance is documenting whether the shooter was capable of using the pistol, and if not, to what extent he/she was incapacitated or impaired by the design of the pistol. Lost in the process was the notion that a shooter might be sufficiently proficient with a particular pistol to meet police requirements but not personally like many of its features.

Shooter's comments were often unrelated to the issue at hand, namely the testing of a specific make and model of pistol. When testing single action pistols, comments by shooters deploring the possibility of adopting a single action pistol have no relevance to the performance characteristics of the pistol. Such comments lead the reader to question the value of the test due to bias on the part of the shooter.

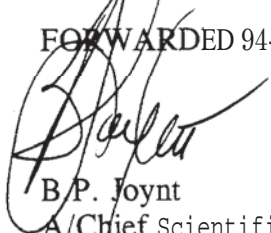
I trust you find the foregoing useful. The purpose of my comments is not to attempt to discredit the report but rather to point out its limitations and suggest additional tests that might be undertaken. Likewise, this review has not nitpicked every sentence in the report.



M.A. Smith

**D.F.L.S.**  
**ATTN: OIC S&T**

FORWARDED 94-10-26 for your information.



B.P. Joynt  
A/Chief Scientific Officer  
Central Forensic Laboratory



**Smith & Wesson**

Appendix "H"

**FAX TO: CCRP**  
**FAX#: (6-1 3) 952-0156**  
**ATTN: Ken Beiko, Project Manager**  
**FROM: Delburt E. Shorb**  
**DATE: October 27, 1994**

**Number of pages including this page: 1**

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**Dear Mr. Beiko,**

**Please excuse our excessive delay in responding to your inquiry concerning the Semi-Automatic Pistol Project. Our Handgun Product Manager has reviewed the specs with only two (2) comments -**

- **Model 3953 has black "Xenoy" grips**
- **Model 5904 has an anodized alloy frame.**

**Obviously, we have no corrections offered for the tests themselves.**

**Again, my apologies for our tardiness.**

**Regards,**

**Delburt E. Shorb**  
**V.P. International Sales**

**SIGARMS Response to  
Canadian Police Research Centre  
Semi-Automatic Pistol Research Project**

SIGARMS Inc.  
Corporate Park  
Exeter, NH 03833

*October 17, 1994*

Contents:

*Methodology*

*Ratings*

*Observations*

*Reliability*

*Conclusion*

## Methodology

### Accuracy Test

Refers to appendix D for accuracy test results; the text for appendix D refers to the conduct of the test. There are no recorded results.

The “Foreword” states that 203,500 rounds were fired during the evaluation. Was all of this ammunition expended without compiling essential performance data?

### Testing Protocol

The document is referred to as an “Evaluation”, although it was actually a “Study”. There is a difference in protocol between a Study, an Evaluation, and a Trial. In simple terms, a Study is an information-gathering exercise that can help establish the basic specifications. Evaluations and Trials are normally competitive with regard to the specification, as well as other contenders.

## Ratings

The rating subjects selected for the individual officers' comments were representative of the essential factors that a police officer should consider for weapon selection. However, there were some critical features ignored and non-essential functions included.

### Essential features

In addition to the features selected for evaluation, the following should have been included:

#### *Field Stripping/Assembling*

Some pistols are more difficult to field strip than others. Comments by the evaluating officers would have identified problem areas. All semi-automatic pistols require officer maintenance. If an officer is deterred from field stripping because of difficulties, the weapon could eventually fail to function due to a lack of basic maintenance.

#### *Ambidextrous Features*

There is no mention in the evaluation of whether the weapons have ambidextrous features, nor whether the pistols would have to undergo complicated conversion to cater for the individual officers.

#### *Magazine Disconnect*

This feature was commented on in the evaluation. Some officers consider this an essential feature for officer survival and safety. For such an important safety feature, all evaluating officers should have been given the opportunity to comment when rating the weapons.

Magazine disconnect devices could endanger the safety of the police officer. Attached to this report is a paper published by SAAMI that highlights a study completed by the US Government Accounting Office (GAO) in 1991 that did not recommend the use of such a device.

### Non-Essential Features

*The following feature is considered non-essential:*

#### Muzzle Flash

Muzzle flash for the police officer is not an essential factor. Once the officer has made the decision to use deadly force, the flash that the pistol creates is immaterial in a non-tactical situation.

Flash only becomes a factor when concealment of the officer could be compromised.

Muzzle flash is determined by a combination of these factors:

*Barrel Length*

*Type of Ammunition*

If muzzle flash is a factor, a more detailed evaluation should have been conducted using a selected pistol to fire all types of ammunition used in the study.

This type of test was conducted on the RCMP ERT Sharpshooter course prior to the night firing and demonstrated that different types of ammunition produce differences in muzzle flash.

## Observations

The initial reaction to the evaluation is that it is an informative, comprehensive report. However, on closer scrutiny there are some obvious inaccuracies and deficiencies, which are as follows:

### Number of Officers Selected to Fire

There is an inconsistency in the number of officers selected to fire the different pistol models. To compile accurate data, consistency is essential. The variation was quite substantial, e.g.:

Only one (1) officer assessed a model from:

Browning  
Sturm-Ruger  
Heckler & Koch

Whereas, 64 officers assessed a model from:

Beretta

It can be seen from these figures that there is a huge discrepancy.

### Type of Action

There is also an inconsistency in the type of action evaluated. The type of action can influence the officers opinion on the quality of the pistol's trigger operation, a category which they were expected to comment on.

*Double Action Only:*

SIG Sauer  
Sturm-Ruger

*Double Action and Double Action Only:*

S&W  
Beretta

**Hand Size**

The study emphasizes the importance of hand size and its influence when selecting a pistol. The officers' hand sizes were graded into the following categories:

- Small* - A
- Medium* - B
- Large* - c

When analyzing the ratings completed by the officers, the following inconsistencies were observed:

All models fired by A, B, and C hand sizes:

- SIG Sauer
- Sturm-Ruger
- Glock

Some models that were fired by A & B, B & C, A, B, and C hand sizes:

- S&W
- Beretta

This variation can be reflected in the scores awarded by the officers in the ratings.

**Sights**

The study gives a brief description of the type of sights available, e.g.: Low light or Normal. There is no mention of the different configurations available in either type of sight. The following additional information should have been included:

- Normal Sights:*
  - Dot
  - Bar Dot
  - Unpainted
  
- Self-Illuminating Sights:*
  - Dot
  - Bar Dot
  - Highlights
  - Colors available

<i>Calibration:</i>	Front Sight only Rear Sight only Both adjustable Use of zeroing tool
<i>Durability:</i>	Self-illuminating sights have a life expectancy. The study reports that some sights were damaged during the evaluation.

There was no reference to the type of range that the pistols were fired on, e.g., Indoor/Outdoor. The type of range can effect the visual evaluation of the sights and can influence the officers' opinion of the weapons-sighting system.

### *Ease of Maintenance*

At the conclusion of each ratings section, there are comments on the armorers' observations for general maintenance. These comments could have been more substantial and should have contained the following additional information:

Determine the ease with which Stripping/Assembling and repairs can be conducted.

Assess the maintainability of the weapon.

Suggest modifications that would ease maintenance and enhance reliability.

Comment on the tools and gauges that would be required for maintenance.

**Reliability**

The performance, reliability, and safety are the critical factors when selecting a pistols for law enforcement use. Officer safety was one of the main reasons when it was decided to replace the revolver with the semi-automatic pistol.

*Malfunctions that can be attributed to the weapon are as follows:*

- Fail to feed.
- Fail to eject.
- Fail to extract.

An analysis of the malfunction reports at the end of each section was conducted. The results are obtained by compiling the number of malfunctions reported caused for the above reasons. The total number of stoppages were divided into the total number of rounds fired. The following weapon reliability factor is achieved:

<u>Type of Pistol</u>	<u>Rounds fired per stoppage</u>					
	<b>SIG Sauer</b>	<b>Beretta</b>	<b>H&amp;K</b>	<b>Sturm Ruger</b>	<b>Glock</b>	<b>S&amp;W</b>
<u>No. of Weapons</u>	10	11	5	6	12	17
<u>Stoppages</u>						
<i>Fail to feed</i>	4	16	8	3	27	58
<i>Fail to eject</i>	2		1		13	
<i>Fail to extract</i>	1		5	1		27
<i>Others</i>				1		
<u>Total Stoppages</u>	7	16	14	5	40	85
<i>Rounds fired</i>	30523	49026	25566	4491	34619	49225
<i>Rounds per Stoppage</i>	4360	3064	1826	898	865	579
<i>Rounds per Weapon</i>	3052	4456	5113	748	2884	1826
<i>Stoppages per Weapon</i>	0.70	1.45	2.80	0.83	3.33	5.00

### Breakages

Breakages associated with prolonged firing are expected with any weapon, replacement of springs, pins, and minor adjustments are part of routine inspection/maintenance.

However, if a major part component fails, the cause should be reported and thoroughly investigated.

One S&W suffered a cracked frame after only 4770 rounds the attention it received was condensed into nine words. The author used twenty-three words to report normal primer indentation on the SIG Sauer pistol.

This type of defect could effect the safety of the police officer. It deserved more attention than that presented in the evaluation.

## Conclusion

The evaluation was commissioned to establish a reference of all available data on semi-automatic pistols that could be considered for use within the Canadian police community. Many of the features of the pistols have been ignored, neglected, and obscured. The following are the main observations of this evaluation:

- Reliability:* No figures published
- Accuracy:* 203,500 rounds were fired without recording the results
- Safety:* Magazine disconnect not evaluated
- Durability:* Existing endurance firing data ignored, e.g:  
One SIG Sauer P226 in service with the RCMP has fired over 100,000 rounds without a barrel change and only operator maintenance.
- Other Users:* Other Federal, State, and Provincial users who have established a data bank of information.

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**STURM, RUGER & Company, Inc.**  
200 Ruger Road. Prescott. Arizona 8630 1-618 U.S.A.  
TEL: (602) 778-6555 FAX: (602) 778- 12 17

December 8, 1994

Canadian Police Research Centre  
Box 8885  
Ottawa, Ontario  
K1G 3M8

Attn: Sgt. Ken Beiko  
Project Manager

Dear Sgt. Beiko:

In response to your request to comment on the semi-automatic pistol evaluation, we feel that future proposals submitted by the International Firearms Industry should be evaluated on "Best Value" (scientific evaluation, price and possible socio-economic) criteria, rather than scientific merit, price only, or on someone's personal opinion (Government of Canada's Standard Acquisition Clauses and Conditions, Section 5, Sub. Section A, Page 5).

Regarding the Canadian Police Research Centre's published semi-automatic pistol evaluation data, we wish to bring to your attention (but is not limited to), that Ruger pistols were:

- Not equitably tested in the test parameters provided January 5th 1993 (copy of parameters attached). The Royal Canadian Mounted Police test data report indicates that Ruger weapons were arbitrarily withdrawn from the testing, because of various criteria deemed unacceptable by the testing officers. In essence, we feel very strongly that our weapons were not properly represented in the Canadian Police Research Centre's study.
- Ruger double action only pistol trigger pulls were unfairly compared to the lighter single action pistol trigger pulls from other manufacturers, yet Ruger also provided decock models that were not tested. The test procedures appeared to have been conducted unscientifically as trigger weight and lengths were measured by perception rather than being measured by mechanical means. The Ruger KP-93 and KP-94 have the lightest conventional double action only trigger pull on the market, which is approximately 10 lbs (5.0 kg), and grip dimensions are easily managed by shooters of various stature (see attached chart A).
- The Ruger KP-93 specifications, as published, are incorrect (see attached chart B), making this model appear larger, in essence less desirable to other Canadian potential customers, not familiar with this model.

- ▶ Erroneously, testers have misjudged the magazine release as “dislike,” when in reality, it is:
  - a. truly ambidextrous, not found in most other pistols.
  - b. is easy and very functional when operated, even with gloved hands.
  - c. is well accepted by agencies, such as Chicago Police Department, New York Police Department, San Diego Police Department, etc.
  
- ▶ Recoil understandably is perceived differently by individuals of different make-up or stature. Recoil is influenced by the pistols’ mass, bullet weight fired, powder charge, hand and pistol grip size, proper grip or stance, etc.

In general, experienced shooters are not troubled or frightened by the recoil, while inexperienced shooters are.

In essence, Ruger pistols do not recoil more or less, when comparing them to other pistols in the same calibre and size.

In addition, the report falsely claims that the Smith & Wesson Model 5946 had “no mechanical failure in a previous (1990) endurance test for the Department of Fisheries & Oceans.” When in actuality, the Smith & Wesson Model 5946 tests did reveal (in 1990) a frame failure at 5,000 rounds (test report enclosed). Despite this failure and the additional failures in the Canadian Research Centre test, this model is still a favorite pistol!

Without elaborating or commenting any further on the Royal Canadian Mounted Police and Canadian Police Research Centre’s informal test results, it unfortunately became apparent that both reports contained discrepancies and incorrect conclusions.

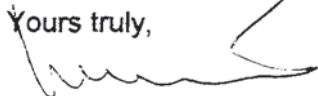
These test results could lead to the establishment of specifications that could disqualify competent pistol manufacturers, such as Sturm, Ruger & Company from participating in the upcoming and future Canadian Mounted Police Requests for Proposals. In addition, these incorrect reports could very well adversely influence the decision making of other Canadian and worldwide agencies when selecting a new sidearm for their departmental use.

The Royal Canadian Mounted Police is recognized as a very prestigious force worldwide, and we believe that all data published should be 100% factual and substantiated.

It is our feeling, that a good deal of the data collaborated, has been accumulated from personal opinions and perceptions rather than factually against the actual use of correct and recognized trail protocol.

Our response is completely “without malice”, and appreciate the opportunity to submit our comments.

Yours truly,



Karl F. Walter

KFW:dc  
Enc.

## A. Grip Circumference & Trigger Reach Dimensions (Limited Comparison Chart)

<u>Model</u>		<u>(A) Grip Circumference</u>	<u>(B) Reach To Trigger</u>	<u>(C) Grip/Trigger Circumference</u>
KP94 9mm	DAO Single Strike	5.52" (140.2 mm)	2.670" (67.8 mm)	6.75" (171.5 mm)
KP94 9mm	DAO Double Strike	5.52" (140.2 mm)	2.610" (66.3 mm)	7.00" (177.8 mm)
KP944 .40 Cal.	DAO Single Strike	5.51" (140.2 mm)	2.670" (67.8 mm)	6.75" (171.5 mm)
KP944.40 Cal.	DAO Double Strike	5.52" (140.2 mm)	3.610" (91.8 mm)	7.00" (177.8 mm)
KP93 9mm	DAO Single Strike	5.52" (140.2 mm)	2.670" (67.8 mm)	6.75" (171.5 mm)
KP93 9mm	DAO Double Strike	5.52" (140.2 mm)	2.610" (66.3 mm)	7.00" (177.8 mm)
SIG -226/229 9mm	DA/SA	5.55" (141.0 mm)	3.010" (76.5 mm)	7.37" (187.1 mm)
Glock 17/19/22/23 (9mm and .40 Cal.)	Safe Action	5.65" (143.5 mm)	2.890" (73.4 mm)	6.75" (171.5 mm)
S&W915 9mm	DA/SA	5.55" (141.0 mm)	2.870" (72.9 mm)	7.12" (180.8 mm)
Beretta 92 9mm	DA/SA	5.65" (143.5 mm)	2.905" (73.8 mm)	7.25" (184.2 mm)
H & K USP .40 Cal.	DAO	5.70" (144.8 mm)	3.00" (76.2 mm)	7.25" (184.2 mm)

A) Ruger grip circumference dimensions are based on standard supplied grip panel configurations

B) Web of hand to front of trigger.

C) Circumference: Grip/Trigger

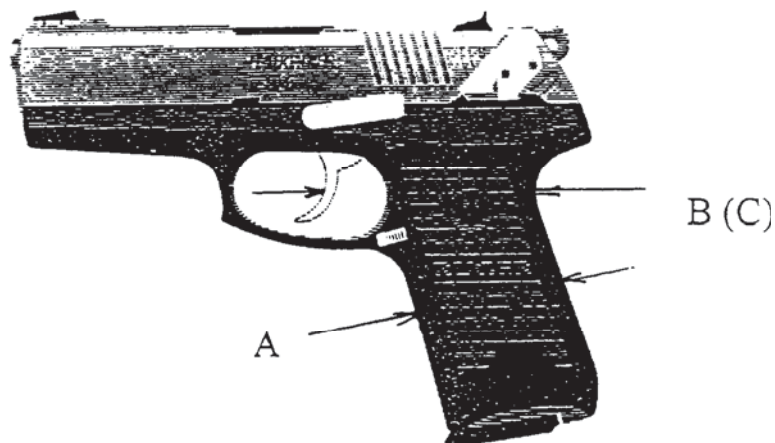


CHART: B

## RCMP Test Result (June 2, 1994) Choice of Weapon Specification, Verses Ruger Pistols

Model	Cal.	Mag. Cap.	Safety	Type of Action	Barrel Length	Overall Length	Height	Frame Width	Wgt Loaded	Sights	Finish	Grip	Features
Beretta 92D	9 mm	15	Internal	DAO	125 mm (4.92")	217 mm (8.54")	140 mm (5.51")	38 mm (1.50")	1,145gr (40.89oz)	Three luminous dots	Slide: blue, Frame: Anodized	Black plastic	Chamber loaded indicator
Beretta 92D Centurion Type M (Compact)	9 mm	8	Internal	DAO	109 mm (4.3")	217mm (8.54")	140 mm (5.51")	38 mm (1.50")	1,145gr (40.89oz)	Three white dots	Slide: Blue, Frame: Anodized	Black plastic	Chamber-loaded indicator
Ruger P89DAO	9 mm	15	Internal	DAO	114 mm (4.5")	196 mm (7.75")	146 mm (5.75")	34 mm (1.34")	1,101gr (38.8oz)	Three white dots	Stainless Steel	Black plastic	
* Ruger P93DAO (Compact)	9 mm	15	Internal	DAO	90 mm (3.9")	185 mm (7.3")	140 mm (5.5")	34 mm (1.34")	1,101gr (38.8oz)	Three white dots	Stainless Steel	Reinforced Zytel	
** Ruger P93DAO (Compact)	9 mm	15	Internal	DAO	114 mm (4.5")	196 mm (7.75")	146 mm (5.75")	34 mm (1.34")	1,101gr (38.8oz)	Three luminous dots	Stainless Steel	Black Plastic	
Smith & Wesson 3963 (Compact)	9 mm	8	Internal	DAO	89 mm (3.5")	177 mm (7.0")	133 mm (5.25")	28.7 mm (1.13")	826gr (29.13oz)	Three white dots	Slide: Stainless, Frame: Alloy	Black Rubber	Magazine disconnect safety
Smith & Wesson 5946	9 mm	15	Internal	DAO	101 mm (4.0")	197 mm (7.75")	140 mm (5.5")	32 mm (1.26")	1,239gr (43.7oz)	Three white dots	Stainless Steel	Black "XENOY"	Magazine disconnect safety

\* Correct KP93DAO Specifications

\*\* RCMP Incorrect Published Specifications

CANADIAN POLICE RESEARCH CENTRE  
SEMI-AUTOMATIC PISTOL RESEARCH PROJECT

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**TEST PARAMETERS**

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1. The pistol test will be limited to three calibers; these being 9 x 19MM, .40 S&W and .45 ACP.
2. The test should include as many models of each pistol as possible.
3. Each pistol will be fired for function t.o a limit of 1,000 rounds.
4. Random pre-selected pistols from each make and model be fired to a limit of 5,000 rounds to determine wear and tear and estimate service life.

NOTE: Our experience in firearms repair has taught us that police persons do not clean their firearms as recommended and this firearm should work under dirty conditions. Depending on magazine capacity, approximately 300 rounds should be fired before field stripping and cleaning.

5. A full examination of each pistol by the Armourer Section be carried out at the conclusion of the testing. This will include dye penetrant as well as magnaflax if the necessary equipment is available.
6. Selected individuals from police agencies across the country participate in the test to determine those variables such as easy of carrying while on duty and concealment in plain clothes. These people should be representative of the police community; not known shooters and experts in the field of firearms.

MECHANICAL FAILURE

1. Full-size model, aluminum

The rear of the frame cracked at 4770 rounds.

2. Full-size model, stainless steel

The Model 5946, 9 x 19 mm, has been previously endurance-tested for the Department of Fisheries and Oceans.

There was no mechanical failure in this test nor in previous endurance test for the Department of Fisheries & oceans.

3. The 9 mm Compact Model, alloy

excessive wear to the guide rod and the recoil spring.

DÉFAILLANCE MÉCANIQUE

1. Modèle original, en aluminium

L'arrière de la carcasse a fêlé à 4,770 coups.

2. Modèle original, en acier inoxydable

Le modèle 5946, 9 x 19 mm, a déjà été évalué pour l'endurance pour le Ministère des pêches et océans.

Il n'y a pas eu de défaillance mécanique pendant ce test ni dans l'évaluation d'endurance précédente pour le Ministère des pêches et océans.

3. Le 9 mm, Modèle compact, en alliage - usure excessive à la tige du ressort récupérateur et au ressort de recul.



Your file / Votre référence

Our file / Notre référence

TESTING OF SMITH & WESSON MODEL 5946, 9MM PISTOL,  
FOR THE CANADIAN DEPARTMENT OF FISHERIES & OCEANS

REPORT OF DECEMBER 18, 1990

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This letter is further to my recent telephone conversations with Mr. George Ferrier, your Canadian representative.

As you are aware the RCMP Armourer Section recently conducted a test of the 5 of the above model pistols for the Dept. of Fisheries and Oceans. The test parameters involved firing five of the pistols with 5,000 rds. and then subsequently firing an additional 5,000 rounds through each of two of these pistols selected at random. The ammunition was 17,000 rds. of Federal 147 Gr. Hydra Shock JHP and 18,000 rds. of Winchester subsonic 147 Gr. JHP. The pistols were fired in cycles of 1,400 rds. (10 magazines of 14 rds.) before field stripping and cleaning. They were kept lightly oiled in the barrel lock up and rail areas throughout the test. At the 5,000 round mark all were completely disassembled and examined for broken parts and wear. Dye penetrant was used to examine frames, slides and parts for breaks.

On pistol #2, Serial #TFE 5038, the draw bar broke at round 5,962 and was replaced. This same pistol has a cracked frame just above the sear pin on both sides of the frame. There is a considerable amount of wear on the frame where the barrel cam lugs ride and corresponding wear on the barrel.

I have enclosed a rough chart of the malfunctions. This is being sent to you for your information, a proper typed copy will be forthcoming in the future. The chart shows that the major malfunction is the last round failing to feed into the chamber. In the first 5,000 rounds involving all **five pistols** the rate of this malfunction was 46. In the last 10,000 rounds using two pistols the rate was 41 for a total of 87. The next most common malfunction was a fail to eject. This includes "stovepipes" and "fail to eject". Many times this malfunction involved the last round, which leads me to conclude that this malfunction may be magazine/follower related. I have included two magazines with the last round caught in the magazine lips as the extractor pulled them to the rear. I will attempt to package them so that they arrive in this condition.

As you can see, if these two malfunctions are eliminated or drastically reduced then these pistols would exhibit satisfactory performance.

The number of rounds shown through each pistol is not exactly as outlined in the test parameters. The test was fired using members of the Dept. of Fisheries and Oceans to do the shooting with an Armourer monitoring, and supervising the test. These members also took part in a Basic Firearms Instructors course using these pistols and did fire some 115 gr. JHP at that time. They also used up some of the 147 gr. ammo in the three pistols that were to stop at 5,000 rounds resulting a slight discrepancy in the total amount of rounds fired and the shortfall in the two pistols that were to fire a full 10,000 rounds. The malfunctions that are recorded, occurred with 147 grain ammunition only.

In view of the foregoing I have notified the Dept. of Fisheries and Oceans verbally that I would only recommend this pistol if the two significant malfunctions were addressed and corrected by Smith and Wesson. I have suggested a further 5,000 rounds be fired in the remaining three pistols using 25 new magazine%. It is my intention to load these magazines with five to ten rounds to maximize the number of last round cycles.

I would also ask you to examine the pistol with the cracked frame and draw bar to determine the cause we have replaced the draw bars in the remaining pistols.

## HECKLER &amp; KOCH GMBH



HECKLER &amp; KOCH GMBH . POSTFACH 1329 . 78722 OBERNDORF/NECKAR

TELEFON 07423/79-0  
TELEX 760313 huko dCanadian Police Research Centre  
Mr. Ken Beiko, Project Manager  
P.O. Box 8885Ottawa, Ontario K1G 3M8  
Canada

Attn. Mr. K. Beiko  
Fax 001 613 / 352 0156  
4 pages  
Original in mail

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## C.P.R.C. / R.C.M.P. Pistol Trials

Gentlemen,

Please excuse the delay in responding to your request for our views on the Canadian Police Research Centre/ Royal Canadian Mounted Police firearm study, which was sanctioned for the Canadian Police Community. Our Canadian distributor, R. Nicholls Distributors Inc., forwarded the test package to Heckler & Koch U.S.A. and to us in Germany. We believe, we now have all the data together and after a thorough review, would like to make our observations known.

1. Scope of the Study

Most major areas of evaluation are covered in your study. However, some critical areas have been overlooked or improperly dealt with, they include:

1.a Sustained Cold Weather Testing

The tests carried out here were rather superficial with only 6 rounds loaded and fired each with six service revolvers and sixty-two pistol representatives. In Canada, with low temperatures and lot of ice and snow during the long winter seasons, the operation of their service weapons in cold environments should be a major concern for all Police Officers.

During the German Armed Forces Trials Heckler & Koch subjected its USP Pistols to comprehensive cold weather testing under arctic conditions and up to temperatures of -58°C. These tests were carried out under the supervision of German Government officials and it comes out that the USP Pistols performed best amongst its contenders.

GESCHÄFTSFÜHRER: WILHELM HAAGA, DR. DIRK HOLZKNECHT, WOLFGANG NÜRNBERGER, GERT PANNENBECKER, OR. JOHN E. PIKE

## BANKVERBINDUNGEN:

Deutsche Bank Pforzheim	0104000	BLZ 66670006
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SITZ DER GESELLSCHAFT: OBERNDORF/NECKAR, FED. REP. OF GERMANY, AMTSGERICHT ROTTHEIL HRB 28 OR.  
HECKLER & KOCH GMBH A COMPANY OF BRITISH AEROSPACE DEFENCE - ROYAL ORDNANCE

In cold environments plastic grip surfaces offer much more comfort to the shooters hands than pistols which metal grip surfaces.

#### 1.b Field Stripping & Maintenance

In the vast terrain of Canada it is extremely important to have a pistol that can be field stripped and maintained with ease by Police Officer in his area of operation.

Our Heckler & Koch USP Pistol is designed to allow extremely simple stripping, assembling and maintenance.

The complaints during the study about the difficulties to install the recoil spring and its rod into the pistol are now a matter of the past.

The Canadian Police Research Centre study does not sufficiently cover the area of field stripping and ease of reassembling or maintenance. Some pistols offer very distinct characteristics which should be detailed.

#### 1.c Endurance Firing

Unfortunately, during the study the various types of pistols were fired with different numbers of ammunition and even different types of ammunition.

We should have welcomed a more elaborated endurance firing with a representative and equal number of pistols of each type taking part where only one type or equal amount<sup>8</sup> of different amunitions were fired in high numbers. Each stoppage should be recorded (number of round<sup>6</sup> fired, shooter number, pistol number) and its cause should be detected and briefly described.

This is most important to find out the durability, part<sup>6</sup> breakage ratio, weak points, wear and tear and the real stoppage rate of the respective type of pistol. Such an endurance test best show<sup>6</sup> the dependability, the worth and the quality of a weapon design and make.

As it comes out from the study results, our USP Pistols rated top class with regard to parts breakages (1 broken trigger spring in 9 mm x 19 after 9.098 rounds fired), wear and tear (no mention was made of any wear after 25.566 rounds fired with 5 Pistols) and stoppages (the only stoppages in 9 mm x 19 with the USP happened with reloaded 3 D Ammunition and were most probably due to the ammunition).

...

It is most important to note that the suggested winner of this study, Beretta, featured dangerous breakages in their locking system in both 9 mm x 19 and .40 S/W calibers. To our opinion these breakages are attributable to the design and layout of the Beretta locking system design.

- 1.d No study trials have been conducted firing the weapons under adverse conditions (sand, mud etc.)
- 1.e No safety drop tests have been carried out. This is especially important **as** a pistol is being preferred with manual safety.
- 1.f The accuracy firings which took place are not transparent and seem to be insufficient. Obviously all of the contenders, except for the Beretta Model 96 D .40 S/W (No. B-15) successfully passed the accuracy firings "to a degree which would be **acceptable**".

## 2. Purpose of the Study

As we have understood, this study should be used as an "information gathering exercise" to project if a weapon system is feasible.

The results of the evaluation of this study should be used to establish a detailed specification for a "Request for Proposal". Following this "Request for Proposal", "Trials" should be conducted competitively, along the specifications, with all weapons against each other.

As according to the factual results derived from the ratings of the shooters taking part in the study, our USP Pistols rank top class amongst the contenders.

**According** to the general rating (9 mm and .40 S&w) **our** USP Pistols **rank** as follows:

- |                         |                      |
|-------------------------|----------------------|
| 1. Beretta              | (8.09 Points)        |
| 2. Heckler & Koch       | (7.48 Points)        |
| 3. Smith & Wesson       | <b>(7,41 Points)</b> |
| 4. Browning (9 mm only) | (7.14 Points)        |
| 5. SIG SAUER            | (7.01 Points)        |
| 6. <b>Glock</b>         | (6.90 Points)        |
| 7. Sturm & Ruger        | (6.18 Paints)        |

...

Just for your information, we want to let you know that the German Armed Forces (The "**Bundeswehr**") have after long and extensive trials with several competitors selected the USP under the designation "**P8**" as their standard new sidearm. The same decision **was** recently made by the German Navy's combat divers who also selected the **USP/P8** due to its superiority with regard to safety, reliability, durability and accuracy.

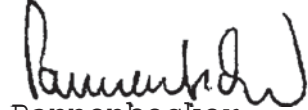
Heckler & Koch has always been glad to have enjoyed an outstanding relationship with the Royal Canadian Mounted Police which we wish to continue.

Our comments are observations on the Canadian Police Research **Centre's** study completed and it is our hope that the Canadian Police Research Centre and the Royal Canadian Mounted Police will accept our comments as professional views, rather than criticism.

Heckler & Koch is at your service and we look forward to your early response.

Yours sincerely,

HECKLER & KOCH GMBH

A handwritten signature in dark ink, appearing to read 'Pannenbecker', written over a light-colored background.

Pannenbecker  
Director Sales

A handwritten signature in dark ink, appearing to read 'Haas', written over a light-colored background.

Haas  
Sales Manager

Annex 1

1. HECKLER & KOCH

1.a Heckler & Koch USP 9 mm Double Action Only

Average number of rounds fired per shooter: (11.478:41)  
= 280 rds/shooter  
Average rating by the shooters: 7,22 Points

1.b Heckler & Koch USP .40 S&W Double/Single Action

Average number of rounds fired per shooter: (14.088:70)  
= 201 rds/shooter  
Average rating by the shooters: 7,64 Points  
Average rating in both calibers: 7,48 Points

2. Beretta

2.a Beretta 9 mm Pistols

Average number of rounds fired per shooter: (29.576:137)  
216 rds/shooter  
Average rating by the shooters: 8,04 Points

2.b Beretta .40 S&W Pistols

Average number of rounds fired per shooter (19.450:118)  
= 165 rds/shooter  
Average rating by the shooters 8,14 Points  
Average rating in both calibers: 8,09 Points

3. Sturm & Ruaer

3.a Sturm & Ruaer 9 mm Pistols

Average number of rounds fired per shooter: (2.835:21)  
135 rds/shooter  
Average rating by the shooters 5,80 Points

3.b Sturm & Ruaer .40 S&W

Average number of rounds fired per shooter (1.656:18)  
= 92 rds/shooter  
Average rating by the shootres: 6,64 Points  
Average rating in both calibers: 6,18 Points

4. SIG SAUER

4.a SIG Sauer 9 mm Pistols

Average number of rounds fired per shooter: (18.707:104)  
= 180 rds/shooter  
Average rating by the shooters: 7,06 Points

4.b SIG SAUER .40 S&W

Average number of rounds fired per shooter: = 219 rds/shooter  
Average rating by the shooters: 6,91 Points  
Average rating in both calibers: 7,01 Points

5. Smith & Wesson

5.a S&W 9 mm Pistols (all with magazine disconnect safety)

Average number of rounds fired per shooter: (25.744:117)  
= 212 rds/shooter  
Average rating by the shooters: 7,19 Points

5.b S&W .40 S&W Pistols (all with magazine disconnect safety)

Average number of rounds fired per shooter: (23.481:119)  
198 rds/shooter  
Average rating by the shooters: 7,64 Points  
Average rating in both calibers: 7,41 Points

6. Glock

6.a Glock 9 mm Pistols

Average number of rounds fired per shooter: (16.698:95)  
= 176 rds/shooter  
Average rating by the shooters: 6,91 Points

6.b Glock .40 S&W Pistols

Average number of rounds fired per shooter (17.921:118)  
= 152 rds/shooter  
Average rating by the shooters: 6,89 Points  
Average rating in both calibers: 6,90 Points

7. Browning

Model BDM - 9 mm

Double Action Only or Double/Single Action

Average Number of rounds fired per shooter: (10.086:21)  
= 480 rds/shooter

Average rating by the shooters 7,14 Points

No .40 S&W cal. Pistol!

From this rating list the contenders rank as follows:

1. Beretta (8,09 Points)
2. Heckler & Koch (7,48 Points)
3. Smith & Wesson (7,41 Points)
4. Browning (7,14 Points)
5. SIG SAUER (7,01 Points)
6. Glock (6,90 Points)
7. Sturm & Ruger (6,18 Points)

### Performance

From the study trials it clearly evolves that the H&K USP Pistols perform adequately well.

As shown in the shooting list, two of our Pistols, in both 9 mm and .40 S&W (Pistol A-7 & Pistol A-3) were endurance fired with 9.673 rounds (9mm), respectively 9.493 rounds (.40 S&W). There were no signs of wear on our pistols! The only part breakage that occurred with all of our pistols during the total amount of 25.566 rounds fired was a broken trigger return spring in 9 mm x 19 after 9.098 rounds!

### Maintenance, Stripping and Assembling

Concerning maintenance, stripping and assembling we have encased the formerly troublesome recoil spring on its guide rod, which permits assembling of the recoil spring subassembly without overcoming spring tensions.

### Reliability

During the course of 11.478 shots fired, our USP 9 mm Pistol featured 5 firing stoppages. However, all of these stoppages occurred only with 3-D ammunition, an obviously cheap reloaded ammunition. Most probably these stoppages are due to the ammunition. Similar malfunctions happened with the Beretta 92 D Centurion Type M, Beretta 92 FS Compact Type M, Smith & Wesson 5946 and Smith & Wesson 6946.

Unfortunately, it was not recorded during the study through which pistol how many rounds of each type of ammunition were fired. In order to get subjective and clear results here, the tests should be carried on with a specific test organization in this regard.

Unfortunately, also no special tests under adverse conditions

have been carried out.

In the testing methodology of the pistol evaluation it is mentioned that when considering the selection of a new sidearm, the pistol and the ammunition should be looked upon as a weapon system. One does not work without the other. At the time of writing of the test report a parallel test of relative ammunition effectiveness was being conducted by members of the Forensic Laboratory, Regina, Firearms Section. The results will be available by late summer 1994. Are they also available to H&K?

**With regard to the already stated ratings and the performance of our USP Pistols, we are of the firm opinion that our USP pistols rank amongst the top class of the pistols evaluated and are worth to be presented as a selected finisher of the test, otherwise, all of the scoring would be useless.**

It is evident that the Senior Armourer and some of his staff vote for two different service pistols, a normal one and a small one for small sized people and concealed carrying. They even will accept sacrificing magazine capacity for this purpose.

The test results clearly show that even amongst the small-sized shooters the "normal" sized pistols were accepted as well or even better than the "compact" ones.

The question arises whether it is useful or not to adopt a second and a different service pistol with the evolving expenditure in cost, logistics, training, maintenance and accessories (holster, gauges etc.)

## Beretta

### Beretta 92 DM Centurion Compact

This pistol featured an extremely high stoppage rate of 5 stoppages within 1.500 rds fired. As it also fired 3D ammunition, we deem that a good deal of these stoppages is again due to the ammunition. There were many parts breakages to be noted with the Beretta Pistol, especially barrel lug breakages in .40 S&W and 9 mm. These breakages feature grave safety hazards attributable to the design and layout of the locking system of the Beretta Pistols. Firing the Beretta Pistols in such a condition is highly dangerous for the shooter!

Smith & Wesson

Smith & Wesson 5946:

The average number of rounds fired with the 4 test pistols was very low, the maximum amount of rounds for such a pistol (E-7) was 1.800 rounds.

This pistol also featured extraction failures when firing 3D ammunition. Obviously, the firing pin spring, the extractor spring and especially the recoil spring and its guide rod were prone to wear with this model and the 3953 Model.

The recommendation that the early extractors on these pistols are prone to malfunction and that anyone considering these pistols should specify the Model 69 type extractor and spring are tendencious and should be avoided.

All of the Smith & Wesson Pistols are provided with magazine disconnect safeties.

To our opinion such magazine disconnect features bring about more disadvantages than advantages.

We do not share the meaning that the advantage of such a device is that when the magazine has been removed the pistol is safe even if a cartridge has been left in the chamber.

A pistol in such a condition is a very dangerous thing, especially if the pistol is not provided with a manual safety.

A pistol with a round in the chamber and the magazine removed should never be stored or put aside. This weapon may be thought to be unloaded and as soon as a magazine, loaded or even unloaded, is inserted, the pistol will be in the ready-to-fire condition, with a live round in the chamber.

The argument that if an officer fears he/she is about to loose the pistol to an aggressor and the pistol can be made inoperable by dropping the magazine is wrong, too.

This will not save the officer's or anyone else's life or health, for if such things happen, the aggressor is either better armed, stronger or in a better position:

On the contrary, a firearm with a magazine disconnect safety is useless as soon as the magazine is out. Firing the round in the chamber is also impossible during magazine exchanges.

As **any** other moving mechanical part, the magazine disconnect safety is also prone to breakages and failures and must be separately inspected, and maintained.

What we further noticed in the Evaluation Report was the fact that SIG SAUER submitted at the end of the evaluations DA Only Pistols with shortened trigger springs in order to reduce the disliked strong trigger pulls.

In the same manner Glock supplied steel lined magazines and pistols with an extended magazine catch button to overcome the problems with the plastic magazines sticking in the magazine well and not dropping when the magazine release was actuated.

Unfortunately, Heckler & Koch was never informed at such early stages about the events happening during the study.

Annex 2

Evaluation of The CPRC/RCMP Pistol Trials

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula = Points
1. Heckler & Koch		
1.a Heckler & Koch USP 9mm Double Action Only	11.478:41 = 280	3.985:((14x41)-22) = 7,22 less points than possible were scored and listed (-22!)
1.b Heckler & Koch USP .40 S/W Double & Single Action	14.088:70 = 201	7.211:((14x70)-36) = 7,64 less points than possible were scored and listed (-36!)
HK USP 9 mm & .40 S&W	25.566:111 = 230	11.196:((14x111)-58) = 7,48

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula
		= Points
<b>2.</b>		
<b>Beretta USA</b>		
2.a	92D 9mm Double Action Only 6.365:65 = 98	7.301:((14x65)-49) less points than possible were scored and listed (-49) = 8,48
2.b	92 D Centurion Type M 9 mm Double Action Only 1.500:15 = 100 no size "A" shooter!	1.560:((14x15)+5) more points than possible were scored and listed (+ 5!) = 7,26
2.c	92 FS 9 mm Double&Single Action 1.920:20 = 96 no size "A" shooter	2.214((14x20)-11) less points than possible were scored and listed (-11!) = 8,23

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula
		= Points
2.d 92 FS Compact Type M 9mm Double & Single Action	9.311:17 = 548	1.682:((14x17)-8) less points than possible were scored and listed (-8!)
2.e 92 D Centurion 9 mm Double Action Only	10.480:20 = 524	2.071:((14x20)-12) less points than possible were scored and listed (-12!)
2.f 96 D .40 S&W Double Action Only	16.750:91 = 184	9.889:((14x91)-70) less points than possible were scored and listed (-70!)
2.g 96 D Centurion .40 S&W Double Action Only	2.700:27 = 100	2.897:((14x27)-12) less points than possible were scored and listed (-12!)

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula
		= Points
2.a 9 mm - 2.e	29.576:137 = 216	14.828:((14x137)-75) = 8,04
2.f .40 S&W + 2.g	19.450:118 = 165	12.786:((14x118)-82) = 8,14
2.a Beretta 9 mm + .40 S&W - 2.g	49.026:255 = 193	27.614:((14x255)-157) = 8,09
3. Sturm & Ruger		
3.a P 89 9 mm Double Action Only	1.490:9 no size "A" & "C" shooter! = 167	758:((14x9)-8) less points than possible were scored and listed (-8!) = 6,42

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula
		= Points
3.b P 93 9 mm Double Action Only	1.345:12 = 112	837:((14x12)-11) less points than possible were scored and listed (-11!) = 5,33
3.c P 91 .40 S&W Double Action Only	1.656:18 = 92	1.534:((14x18)-21) less points than possible were scored and listed (-21!) = 6,64
3.a & 3.b 9 mm	2.835:21 = 135	1.595:((14x21)-19) = 5,8
3.a - 3.c 9 mm & 40 S&W	4.491:39 = 115	3.129:((14x39)-40) = 6,18

Pistol Type	Average Number of Rounds Fired per Shooter		Average Rating per Shooter	
	Formula =	Rounds per Shooter	Formula	= Points
4. SIG SAUER				
4.a P225 9 mm Double Action Only	1.854:20	= 93	1.838:((14x20)-19) less points than possible were scored and listed (-19!)	= 7,04
4.b P226 9 mm Double Action Only	4.630:46	= 101	4.502:((14x46)-31) less points than possible were scored and listed (-31!)	= 7,34
4.c P228 9 mm Double Action Only	12.223:38	= 322	3.352:((14x38)-33) less points than possible were scored and listed (-33!)	= 6,72

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
Formula =	Rounds per Shooter	Formula = Points
4.d P229 .40 S&W Double Action Only	11.816:54 = 219	4.974:((14x54)-36) less points than possible were scored and listed (-36!) = 6,91
4.a 2 mm - 4.c	18.707:104 = 180	9.692:((14x104)-83) = 7,06
4.a 9 mm & .40 S&W - 4.d	30.523:158 = 194	14.666:((14x158)-119) = 7,01
5. Smith & Wesson		
5.a Model 3913 9 mm Double/Single Action Magazine Disconnect Safety	1.000:8 = 125 No size "C" shooter!	675:(14x8) = 6,03

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula
		= Points
5.b Model 3953 9 mm Double Action Only Magazine Disconnect Safety	9.725:15 = 649	1.460:((14x15)-8) less points than possible were scored and listed (-8!) = 7,23
5.c Model 5904 9 mm Double&Singe Action Magazine Disconnect Safety	1.200:12 = 100 no size "A" shooter!	1.256:((14x12)-1) less points than possible were scored and listed (-1!) = 7,52
5.d Model 5943 9 mm Double Action Only Magazine Disconnect Safety	5.879:11 = 535 No size "A" shooter!	1.159:((14x11)-9) less points than possible were scored and listed (-9!) = 7,99
5.e Model 5946 9 mm Double Action Only Magazine Disconnect Safety	6.040:57 = 106	5.570:((14x57)-35) less points than possible were scored and listed (-35!) = 7,3

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula
		= Points
5.f Model 6946 9 mm Double Action Only Magazin Disconnect Safety	1.900:14 No size "C" shooter!	1.206:((14x14)-8) less points than possible were scored (-8!)
5.g Model 4026 .40 S&W Magazine Disconnect Safety Frame decok lever (SA/DA?)	2.199:14	1.384:((14x14)-5) less points than possible were scored and listed (-5!)
5.h Model 4043 .40 S&W Double Action Only Magazine Disconnect Safety	6.897:40	3.844:((14x40)-22) less points than possible were scored and listed (-22!)
5.i Model 4046 .40 S&W Double Action Only Magazine Disconnect Safety	12.365:52	5.706:((14x52)-38) less points than possible were scored and listed (-38!)

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula
		= Points
5.j Model 4053 .40 S&W Double Action Only Magazine Disconnect Safety	2.020:13 = 156 No size "C" shooter!	1.252:((14x13)-5) less points than possible were scored and listed (-5!)
5.a 9 mm - 5.f	25.744:117 = 212	11.326:((14x117)-61) = 7,19
5.g .40 S&W - 5.j	23.481:119 = 198	12.186:((14x119)-70) = 7,64
5.ag :9 mm & .40 S&W - 5.j	49.225:236 = 209	23.512:((14x236)-131) = 7,41
6. Glock		
6.a Glock 17 9 mm	12.788:55 = 233	5.240:((14x55)-36) less points than possible were scored and listed (-36!)

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Pistol Type	Average Number of Rounds Fired per Shooter		Average Rating per Shooter	
	Formula =	Rounds per Shooter	Formula	= Points
6.b Glock 19 9 mm	3.910:40	= 98	3.501:((14x40)-29) less points than possible were scored and listed (-29!)	= 6,59
6.c Glock 22 .40 S&W	13.938:71	= 197	6.894:((14x71)-44) less points than possible were scored and listed (- 44!)	= 7,26

Pistol Type	Average Number of Rounds Fired per Shooter	Average Rating per Shooter
	Formula =	Formula
		= Points
6.d Glock 23 .40 S&W	3.983:47 = 85	3.913:((14x47)-40) = 6,33 less points than possible were scored and listed (-40!)
6.a 9 mm & 6.b	16.698:95 = 176	8.741:((14x95)-65) = 6,91
6.c .40 S&W & 6.d	17.921:118 = 152	10.807:((14x118)-84) = 6,89
6.a 9 mm & .40 S&W - 6.d	34.619:213 = 163	19.548:((14x213)-149) = 6,90
7. Browning		
7.a Model BDM - 9 mm Double Action Only or Double/Single Action	10.086:21 = 480	2.020:((14x21)-11) = 7,14 less points than possible were scored and listed (-11!)



To / À: RCMP HEADQUARTERS, OTTAWA  
ATTN: THE MANAGER, CANADIAN  
POLICE RESEARCH CENTRE

From / De: F.S.S. OFFICER  
RCMP TRAINING ACADEMY

1

1

Security Classification - Classification de sécurité
Our File - Notre référence T.A. 1080-14
Your File - Votre référence
Date 94-1 1-16

Subject / Objet: Semi-Automatic Pistol Research

This correspondence is in reply to your E-Mail message to the Senior Armourer dated 94- 1 1-09.  
The following are the comments of the Senior Armourer, S/Sgt. Gomes:

In preparing the questionnaire for this project the Armourer Section reviewed the evaluation conducted by many of the police services in Canada including, Vancouver, Edmonton, Calgary, Peel Regional Police Service and the Ontario Provincial Police. Our thinking was to find those issues that are important to the police officers that ultimately will be carrying these pistols. The final evaluation form is a modification of the form used by the OPP and was arrived at with input from Mr. Les Burden of the Ontario Police College and our RCMP Firearms Training Section at the Academy. A copy of the OPP evaluation form is attached as Appendix "A".

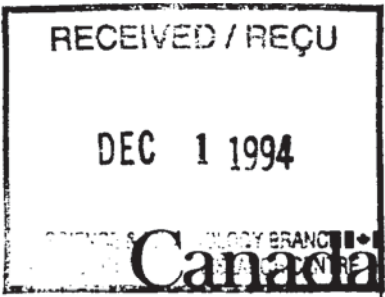
I travelled to the New England area of the United States in February 1994 to attend Armourer Training at Smith and Wesson and SIGARMS. During this trip Sgt. Ross of the NCR Armoury and I also visited Beretta in Accokeek, Maryland and Heckler and Koch in Sterling, Virginia.

We brought with us a sample booklet of the evaluation, which was shown to each representative(s). At the same time we asked for their comments and suggestions. We received favourable comments and no suggestions regarding the evaluation. The following representatives were contacted:

Beretta: Warren E. Barron,  
National Law Enforcement Sales, Manager

Heckler & Koch: Charles Sunderlin,  
Customs Service/Premiere  
Products Manager

Gary Gregory,  
Repair Manager/Armourer Instructor



*Ken Atkinson  
F4 at Kingston  
12/24/94*

T.A. 1080-14

Semi-Automatic Pistol Research

SIGARMS : George Harris, Assistant Director of Training

Smith & Wesson: Delbert Shorb, Vice-President  
International Marketing

The pistols used in the OPP evaluation were subsequently used in the CPRC evaluation. Copies of the letters sent to the manufacturers or their representatives are attached as Appendix "B", "C" and "D".

The manufacturers of these pistols were advised and consulted throughout the project. The following meetings and conversations took place.

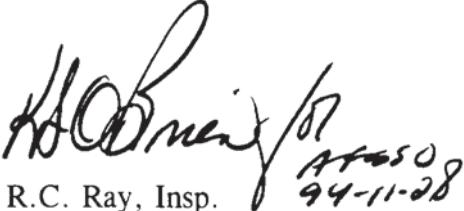
Ruger : Early in the project we were contacted by phone by Mr. Warren Lamder. Mr. Lamder was advised of the testing as best could be accomplished on the telephone and he was invited to attend the Academy if he wished to do so.

**Note:** Mr. Lamder did visit the Academy at a later date as a representative of SIGARMS. I am unsure of the date but this visit would have been very close to the conclusion of the evaluation. Mr. Lamder offered no suggestions or constructive criticism of the evaluation.

Glock Inc. : The following representatives from Glock Inc. attended the Academy 94-01-05 and 94-05-29:

John. D. Westerfield, Northwest Regional Manager  
Robert W. Gates II, National Sales Manager,  
Commercial and Law Enforcement

We feel that the Armourer Section kept the manufacturers well informed during the evaluation and afforded each company equal access to the Academy Armoury .

  
R.C. Ray, Insp. *AT 450*  
F.S.S. Officer *94-11-28*



October 5, 1993

Mr. George Ferrier  
Smith & Wesson  
310 Killarney Beach Road  
Lefroy, Ontario  
L0L 1W0

Dear George:

**Re: Canadian Police Research Centre**  
**Semi-Automatic Pistol Research Project**

This letter is further to our recent- telephone conversation regarding the loan of Smith and Wesson firearms for this project.

Thank you for your kind offer of the loan of your pistols. This letter is to confirm that we will use the same pistols that the Ontario Provincial Police are using in their test. I will make the arrangements to have these pistols sent to our Regina Shop. This test is being conducted for the Canadian Police community and we may ship one or more of your pistols to the Ontario Police College or another agency for evaluation. I will ensure control of your inventory and return the pistols at your direction at the conclusion of the test.

If you have any questions or would like to visit our facility please feel free to contact me direct at 306-780-5832 or FAX 306-780-7782.

Yours truly,

**Original Signed By**

R.A.O. Gomes, S/Sgt.  
Senior Armourer

R.C.M.P. Training Academy  
P.O. Box 6500  
REGINA, Saskatchewan  
S4P 3J7

October 5, 1993

Mr. Robert Nicholls  
R. Nicholls Dist. Inc.  
2475 De La Province  
Longueuil, Quebec  
J4G 1G3

Dear Bob:

**Re: Canadian Police Research Centre**  
**Semi-Automatic Pistol Research Project**

This letter is further to our recent telephone conversation regarding the loan of SIG/Sauer, H&K, Beretta, Ruger and Colt pistols for this project.

Thank you for your kind offer of the loan of these pistols as well as arranging for the donation of sample ammunition. Your efforts will go a long way to ensuring that testing will be of benefit to the police community. This letter is to confirm that we will use the same pistols that the Ontario Provincial Police are using in their test. I will make the arrangements to have these pistols sent to our Regina Shop. This test is being conducted for the Canadian Police community and we may ship one or more of your pistols to the Ontario Police College or another agency for evaluation. I will ensure control of your inventory and return the pistols at your direction at the conclusion of the test.

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Senior Armourer

R.C.M.P. Training Academy  
P.O. Box 6500  
REGINA, Saskatchewan  
S4P 3J7  
Canada

October 5, 1993

Mr. John Westerfield  
Glock Firearms  
3332 Granda Way  
BELLINGHAM, Washington 98225  
U.S.A.

Dear Mr. Westerfield:

Re: **Canadian Police Research Centre**  
**Semi-Automatic Pistol Research Project**

This letter is further to our recent telephcce conversation regarding the loan of Glock Pistols for this project.

Thank you for your kind offer of the loan of your pistols. This letter is to confirm that we will use the same pistols that the Ontario Provincial Police are using in their test. I will make the arrangements to have these pistols sent to our Regina Shop. This test is being conducted for the Canadian Police community and we may ship one or more of your pistols to the Ontario Police College or another agency for evaluation. I will ensure control of your inventory and return the pistols at your direction at the conclusion of the test.

If you have any questions or would like to visit our facility please feel free to contact me direct at 306-780-5832 or FAX 306-780-7782.

Yours truly,

**Original Signed .**

R.A.O. Gomes, S/Sgt.  
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