

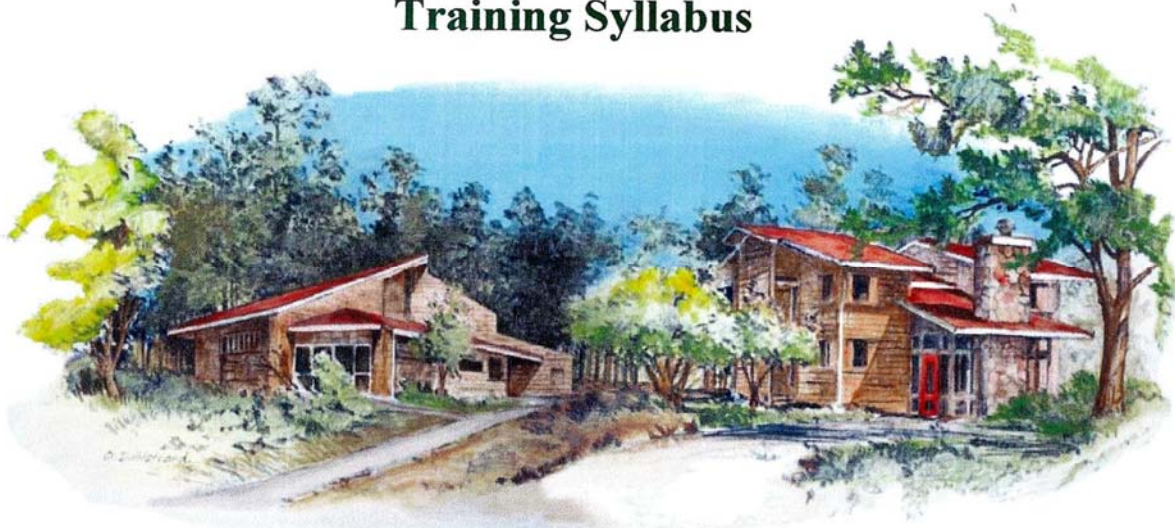
State of California . The Resources Agency . Department of Parks and Recreation

Firearms Inspector

Part I: March 28-April 2, 2009

Part II: April 20-25, 2009

Training Syllabus



William Penn Mott Jr. Training Center



Memorandum

Date: March 1, 2009
To: Supervisor
From: Department of Parks and Recreation
William Penn Mott Jr. Training Center
Subject: Employee Attendance at Formal Training

An employee from your office will soon be attending the formal training program described in the attached. Please insure that the employee is fully prepared to attend the session and that the groundwork is laid for the employee's implementation of the training upon returning to work.

You can assist with capturing the full value of the training by taking the following steps:

Prior to Training

1. Make sure that specific employee needs are identified and, if necessary, called immediately to the attention of the Training Coordinator.
2. Review with the employee the reason for the employee's attendance.
3. Review objectives and agenda with the employee.
4. Discuss objectives and performance expected after the training.

Immediately Following Attendance

1. Discuss what was learned and intended uses of the training.
2. Review the employee's assessment of the training program for its impact at the workplace and review the due date of the Post-Training Evaluation form.
3. Support the employee's use of the training at the work place.

Prior to Three Months Following Training

1. Employee after discussion with the supervisor login to the Employee Training Management System (ETMS) to complete the Post-Training Evaluation form.
2. Supervisor evaluates the effectiveness of the training on the employee's job performance and login to the ETMS to complete the Training Effectiveness Assessment form.

Thank you for your assistance in seeing that the full benefit of training is realized.



Tina L. Williams
Department Training Officer

Attachment

cc: Participant

TABLE OF CONTENTS

| | |
|--|----|
| Formal Training Guidelines | 1 |
| Program Attendance Checklist (Part 1) | 7 |
| Pre-Training Assignment (Part 1) | 8 |
| Smith & Wesson Pistol - Important Parts | 9 |
| S&W Pistol Parts Nomenclature Quiz and Key | 11 |
| Typical Smith & Wesson Pistol Diagram and Parts List | 15 |
| DPR S&W Pistol Function Test | 17 |
| Agenda (Part 1) | 18 |
| Program Outline (Part 1) Hourly Breakdown | 20 |
| Course Objectives (Part 1) | 21 |
| Firearms Inspector (Part 1) Expanded Course Outline..... | 24 |
| Agenda (Part 2) | 27 |
| Program Attendance Checklist (Part 2) | 29 |
| Pre-Training Assignment (Part 2) | 30 |
| Remington 870 Shotgun Diagrams and Parts Lists..... | 31 |
| DPR 870 Shotgun Function Test..... | 34 |
| Colt AR-15 Diagrams and Parts Lists..... | 35 |
| DPR AR-15 Function Test..... | 40 |
| Program Outline (Part 2) Hourly Breakdown | 41 |
| Course Objectives (Part 2) | 42 |
| Firearms Inspector (Part 2) Expanded Course Outline..... | 45 |
| Location Map..... | 49 |

THE MISSION

of the California Department of Parks and Recreation is to provide for the health, inspiration and education of the people of California by helping to preserve the state's extraordinary biological diversity, protecting its most valued natural and cultural resources, and creating opportunities for high quality outdoor recreation.



FORMAL TRAINING GUIDELINES

Welcome to formal training, an essential component in your career development.

Since 1969, our Department has been providing a continuously changing number of diverse training programs at its main training facility, the William Penn Mott Jr. Training Center, and other locations including Marconi Conference Center and, most recently, the Two Rivers Training Facility in Sacramento. The Department strives to enhance your learning and job performance with formal training of the highest quality.

Our Department's dedication to training is only one aspect of its commitment to you and to the public. This commitment is costly and represents an important investment in you and your career. You and the Department realize a return on that investment by your positive participation in formal training itself and post training follow-through.

The program you will be participating in is described in this training syllabus, which outlines what you can expect from this training and what is expected of you. This syllabus details what you should do before you leave for training; what to do when you arrive; what you will be doing while in training; and, importantly, what you should be able to do when you return to your work site. Specifically:

1. **SYLLABUS:** The syllabus is now accessible on the Employee Training Management System (ETMS). You should print a copy of the syllabus to bring with you to class. Your copy of this syllabus is an important part of your training experience and should be brought with you to training. Read it before you arrive and review it following the program along with material you received at training.
2. **PRE-TRAINING ASSIGNMENTS:** Your completion of pre-training assignments is essential to the success of your training. You are responsible for all reading assignments in preparation for classroom sessions. Time will be provided during working hours to accomplish any assignments which involve either individual or group efforts and resources. (Pre-training assignments are listed in the "Training Attendance Requirements" section.)

3. TRAVEL: Arrange your travel to and from the training through your District or Office. (No reimbursement for travel expense - including per diem costs - will be approved for travel not specifically authorized in advance by the District Superintendent.) Individuals may claim reimbursement for incidental expenses incurred as outlined in DAM 0410.6. The Training Center does not have the capability to provide transportation to/from Monterey Airport.

The cost of your travel (air fair, mileage, rental car, etc.) is paid by your District or Office **to** and **from** the location of the training.

4. HOUSING: Housing will be assigned to you on a shared-room basis and will be available from 3:00 p.m. on the date of arrival to 12:00 noon on the date of departure. The Department provides your room and board expenses at the Training Center only. No per diem allowance will be authorized for living off-grounds. This does not preclude living off-grounds at your own expense. Please advise the Department Training Officer no later than one week before your scheduled arrival if you plan to live off-grounds. No animals are permitted in Asilomar housing. In the event of an emergency, staff must know your room assignment, therefore, you may not switch rooms without staff approval. Overnight guests are not allowed in the buildings unless registered beforehand at the front desk in Asilomar's Administration Building. Quiet hour for lodge living areas is 10:00 p.m.

Please Note: You may be assigned a room at a motel while attending training. If so you may be asked to present a valid credit or debit card while checking in to your room. Many motels require a credit card to cover charges incurred such as telephone calls, damages to rooms and/or furnishings, fees to clean rooms that have been smoked in that are not designated as smoking rooms, etc. Please be prepared to handle this appropriately.

5. **HOUSING CANCELLATION POLICY:** If you do not need lodging or must change or cancel your reservation, you must contact the Training Center at least 72 hours prior to your date of arrival. Lodging, registration and associated fees will be charged to the employee's District or Office if a training cancellation is received with less than 72 hours notice.

The Training Center is committed to ensuring that the reservation that has been made for you is accurate and needed.

6. OFF-GROUNDS ACCOMMODATIONS: When authorized to stay off-grounds by the Department Training Officer, the Training Center will pickup the cost of your room and meals at the current DPR Asilomar rate. If you stay off grounds and have meals on grounds, the Training Center will authorize only what the Department pays Asilomar for lodging.

7. MEALS: Meals will be provided, semi-cafeteria style, from dinner on the date of arrival through lunch on the date of departure. Meals will be served at 7:15 a.m. for breakfast, 12:00 noon for lunch, and 6:00 p.m. for dinner. Hot or box lunches may be provided on some days. If you require a special diet, notify the Asilomar Chef at 831-372-8016 no later than one week before your scheduled arrival.

In order to assist participants with limited mobility, Asilomar provides a shuttle to and from the dining hall. Please contact either Asilomar staff upon check in, or Training Center staff upon your arrival, for instructions on arranging a transport.

8. CLOTHING: Field uniforms as found in "Description of Required Field Uniforms", DOM Chapter 2300, Uniform Handbooks, not including optional items, will be worn daily by all uniformed employees during formal training sessions **unless otherwise specified in the Program Attendance Checklist**. Non-uniformed employees shall wear professional business attire.

Because we are on the conference grounds with many other groups, and the image we project as State Park employees is important not only during working hours but off duty hours as well, your informal sportswear should be appropriate.

9. ROOM SAFES: Two safes have been installed in each of the lodge rooms used by the Training Center (Live Oak, Tree Tops, and Deer Lodge). These safes are a type that allows the user to input their own combination of numbers to facilitate opening and closing. The Training Center has a master key for emergency entry. Safes are to be left in the open position when checking out of your room.
10. WEAPONS: Weapons are permitted in rooms under the following conditions. Authorized firearms and magazines stored while at the Training Center shall be in a safe condition and stored in one of the following locations: your room safe in Live Oak, Tree Tops, or Deer Lodge, one of the Training Center's safes in the Whitehead Room or secured in your vehicle.
11. ALCOHOLIC BEVERAGES: Participants shall not possess or consume alcoholic beverages in common areas (living room) while on the Asilomar Conference Grounds unless provided and hosted by Concessionaire Delaware North.
12. SMOKING: Smoking is not permitted in the Training Center or in any lodge or guest room on the Asilomar Conference Grounds.
13. TRAINING CENTER: The Training Center is located on Asilomar Conference Grounds, part of Asilomar State Beach. The Conference Grounds are operated for our Department by a concessionaire, and all lodging and food services are provided to us by employees of the concessionaire. Constant efforts are made to maintain a sound, harmonious working relationship between the Department and concessionaire. None of us can expect preferential treatment for any reason and, as a departmental employee, you will be expected to join in our continuing effort

toward an effective relationship with each Asilomar concession staff member. On occasion, non-departmental groups may be staying in the same lodges. It is imperative that you represent the Department well on and off duty.

14. **REGISTRATION:** When you arrive at Asilomar Conference Grounds, go directly to the front desk at the Asilomar Administration Building for your room key and dining room ticket. If you require vegetarian meals, notify the front desk representative and your meal ticket will be marked accordingly.
15. **COURSE LEADERS:** The formal training you will attend is developed and, for the most part, conducted by experienced State Park employees in field and staff positions. Some courses will be conducted by qualified instructors from other agencies and educational institutions. Your course leaders have proven their ability and knowledge in their profession, and provide a level of expertise difficult to match.
16. **TRAINING CENTER STAFF:** A Training Center staff member has been assigned responsibility for your training group as well as for your training program. That staff member usually serves as a Course Leader as well as a Coordinator. During the program, you may be asked to assist Training Center staff in the logistics of your training program (organizing field trip transportation, supervising classroom breaks, etc.). Center staff will do all within their power to make your training experience pleasant and meaningful.
17. **TRAINING MATERIALS:** May be made available to you at both your unit and the Training Center. Handout materials issued at your unit should be brought to training for possible use. A conference binder or notebook will be issued to you at the training session for note taking and convenience in handling materials. Copies of DAM and DOM will be available to you for self-study. Bring your own pens and pencils.
18. **ATTENDANCE:** Regular attendance is a critical course requirement and your participation is important to the success of this training. All absences, except those of an emergency nature, must be approved in advance by the Training Specialist.
19. **COLLEGE CREDIT:** Most training programs are accredited by Monterey Peninsula College for lower division credit. If you successfully complete an accredited program, you will receive either a letter grade or a credit/no-credit designation.
20. **MPC STUDENT ID:** **If you have filled out an MPC application before, you have already been issued a student ID number to use in lieu of your SSN on future applications. You can obtain your MPC ID number by going to their secure website and providing your SSN number (no name required) and birthdate.**

<https://autobahn.mpc.edu/scripts/autobahn.exe/Execute?Application=WebReq&Program=REPORT-SR-FIND-SSN>

Newcomers to training will still need to provide their SSN on the first MPC application only, after which a student ID number will be assigned and available at the web address above within a few weeks of the program's conclusion. You can store your MPC ID numbers in your ETMS Profile for future reference.

21. **VEHICLES:** All vehicles should be parked in the lots adjacent to the Training Center. Any questions regarding use of a State vehicle while at the Training Center should be discussed with your supervisor prior to your departure for training, or with your Program Coordinator while at the Training Center.
22. **BICYCLES:** If you bring your bicycle, store it in the bicycle shed next to the Training Center. Bicycles may not be brought into any building nor chained to lamp posts, trees, etc. The Training Center has a limited number of bicycles available for your use. Prior to your use, you are required to complete a safety inspection and sign a waiver which is posted in the bicycle shed.
23. **MAIL:** Mail forwarded to you during your time at the Center should be addressed to you in care of:

Department of Parks and Recreation
WILLIAM PENN MOTT JR. TRAINING CENTER
P. O. Box 699, Pacific Grove, CA 93950
24. **CELL PHONES:** As a courtesy to your fellow participants and course leaders ensure that your cell phone is turned off during classes. Participants should not be receiving or making cell phone calls during class time. Please limit those calls to your breaks.
25. **FAX:** The Training Center's FAX number is (831) 649-2824.
26. **TELEPHONE:** Limit phone calls during classroom hours to urgent business or emergencies. Anyone wishing to contact you by telephone during working hours should call the Center at (831) 649-2954. Calls after 5:00 p.m. or during weekends should be made to (831) 372-8016, Asilomar Conference Grounds, and the caller should tell the switchboard operator you are with a Department of Parks and Recreations training group. **Please Note: There are no longer pay telephones outside of the Training Center. There are pay telephones located at the Asilomar Administration Building.**
27. **LAUNDRY AND DRY CLEANING:** May be taken care of by you at one of several local establishments.

28. RECREATION: Facilities available on grounds include a heated swimming pool, ping-pong and pool tables, and a volleyball court. The Monterey area offers horseback riding, golf, tennis, racquetball, deep sea fishing, and many historical landmarks and scenic sights to explore.
29. POST-TRAINING ASSIGNMENTS: In connection with formal training are to be completed under the direction of your supervisor. See "Program Attendance Requirements" in this syllabus.
30. COFFEE BREAK REFRESHMENTS: Will be available throughout each session at the Center. You will be asked to contribute to the "Hospitality Fund" to defray expenses. Please bring your own coffee cup.

PROGRAM ATTENDANCE CHECKLIST

FIREARMS INSPECTOR – PART 1 – PISTOLS

To assist you in your preparation for formal training sessions at the William Penn Mott Jr. Training Center, the following checklist is provided:

1. Be sure you have read and understand the Firearms Inspector Training Program Syllabus prior to the first scheduled session.
2. Arrange your travel through your District Office.
3. **Complete the Firearms Inspector Pre-Training Assignment and the Practice Quiz.**
4. Bring the following with you to training:
 - Firearms Inspector Training Program Syllabus
 - Body armor, hearing protection and safety glasses
 - Uniforms are not required for this program. Appropriate attire shall be worn (no shorts, t-shirts or open-toed sandals).
 - Current DPR 153D – Weapon Repair History form for each weapon you bring.
 - Tools and accessories as listed below:
 - Smith & Wesson 4006 semi-auto pistol with at least 3 duty magazines
 - Pistol cleaning kit and appropriate cleaning supplies
 - Mini – Maglite or other small flashlight
 - Shop apron (optional)
 - Any malfunctioning or problem weapons from your District (Smith & Wesson semi-auto pistols only)
 - Pens, pencils
 - Alarm clock
 - Coffee cup

PRE-TRAINING ASSIGNMENT AND PRACTICE QUIZ

FIREARMS INSPECTOR GROUP 12 – PART 1 (PISTOLS)

The purpose of this program is to develop your knowledge and level of understanding of how the Smith & Wesson Pistol, the Remington 870 Shotgun and the Colt AR-15 Rifle function; train you how to correctly disassemble, re-assemble and perform inspections on all 3 weapons and observe you doing inspections to insure you are performing those inspections correctly; and to review any problem areas you or others may be having and answer any questions that you may have about the program. The DPR Armorer/Firearms Inspector Program has an over-all goal of trying to maintain all DPR firearms at the highest level of reliability and serviceability through a coordinated system of preventive maintenance techniques, annual inspections, function tests, test firing and when necessary, repairs.

The Firearms Inspector Program is now a two part course of instruction. In order to become a DPR Firearms Inspector you must successfully complete both parts. The first part is Smith & Wesson Semi-Auto Pistols, March 29-April 2, 2009 (36 hours), in which we will learn to disassemble, reassemble, inspect, maintain, function test and trouble-shoot the Smith & Wesson pistol. The second part of the course is Long Guns, April 21-25, 2009 (36 hours). During this second part of the course we will examine in detail and learn to inspect the Remington 870 Shotgun and the Colt AR-15 Rifle. See the second half of this syllabus for pre-training assignments, parts diagrams and practice quizzes for the Remington 870 shotgun and the Colt AR-15 rifle.

Learning the part names of the Smith & Wesson 4006 pistol, the Remington 870 shotgun and the Colt AR-15 Rifle, **prior to** attendance in these Firearms Inspector classes, **is required**. These three weapons are the core of the DPR Firearms Inspector Program and understanding how they function is **the** critical element of this program. Most of the part names usually describe the function of the part as well as giving it a name. The student who does not master the part names of these three weapons will find himself/herself struggling to progress normally through the classes and will have difficulty visualizing and understanding how the parts interact to make the weapons function. Knowing the part names will help you understand the concepts involved in the disassembly, inspection and reassembly techniques and will assist you in developing the skills necessary to become a competent Firearms Inspector and to successfully complete this program.

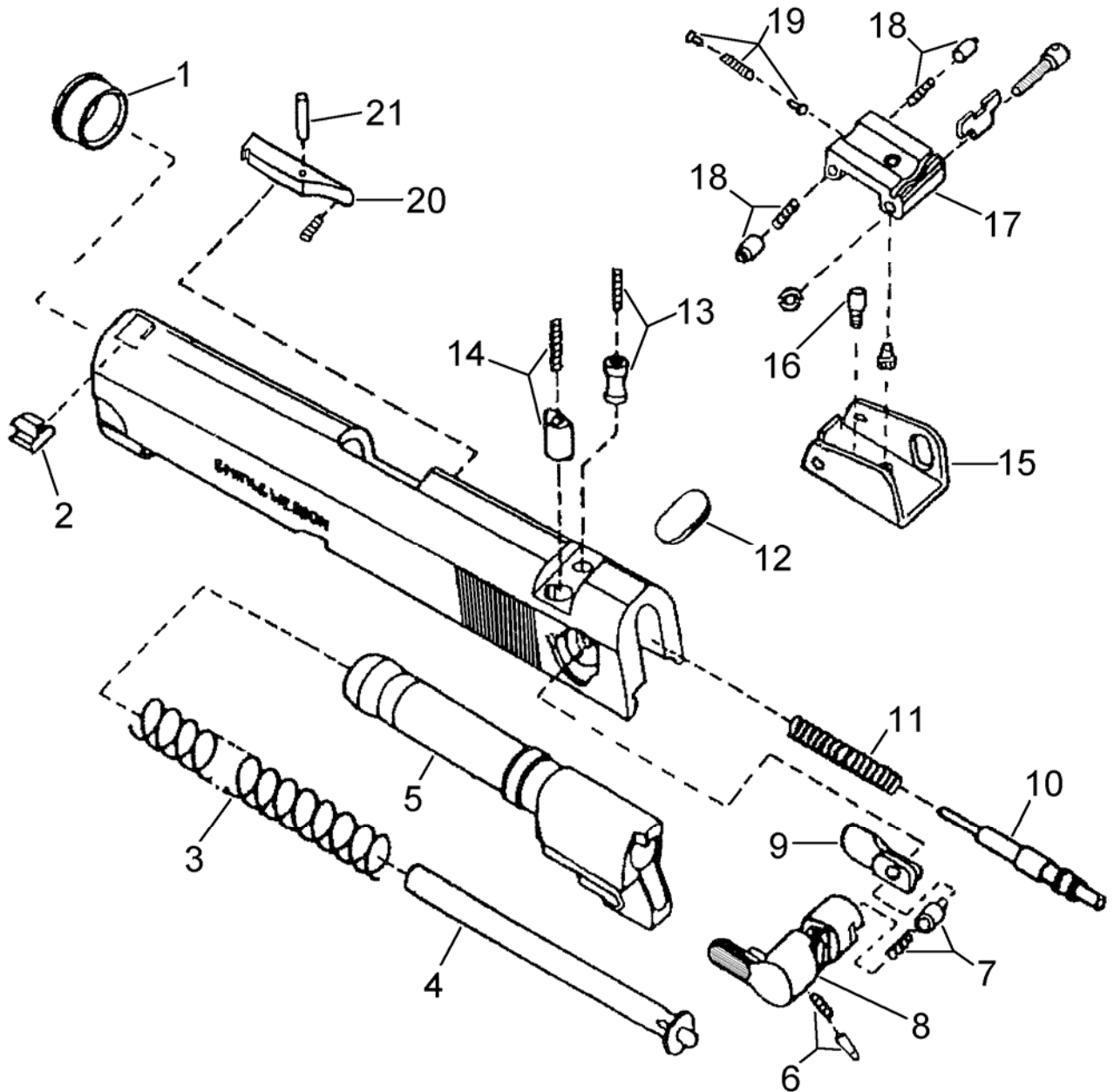
A test on parts nomenclature will be part of the final exam for passing the Firearms Inspector Program. To help you memorize the names and appearance of these various parts, some exploded views of the pistol, shotgun and AR-15 rifle will be provided along with a key to the identification of these parts.

For the first part of the course and prior to the first day of class, memorize the names and appearance of the Important Slide Parts and Important Frame Parts of the Smith & Wesson semi-auto pistol and complete the following Smith & Wesson Parts Nomenclature Practice Quiz and bring it to the first day of class.

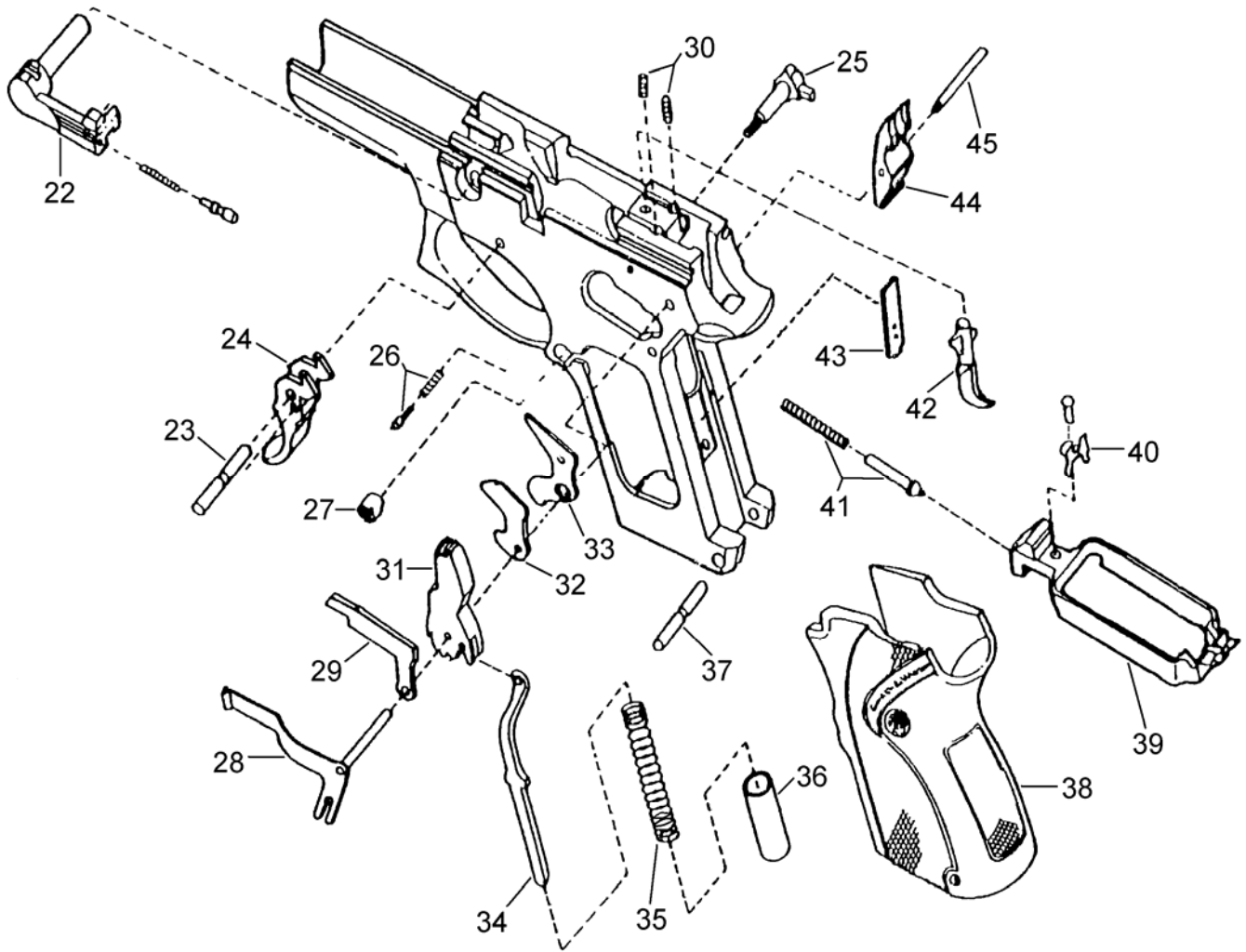
There **will** be a quiz on Smith & Wesson pistol part names the first day of class.

Also, bring any problem guns or parts that you have in your District and we will discuss and repair those problem guns/parts during the class.

Smith & Wesson Pistol Important Slide Parts



Smith & Wesson Pistol Important Frame Parts



Smith & Wesson Pistol
Parts Nomenclature Quiz

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____

S&W Pistol Parts Nomenclature Quiz - Page 2

- 22. _____
- 23. _____
- 24. _____
- 25. _____
- 26. _____
- 27. _____
- 28. _____
- 29. _____
- 30. _____
- 31. _____
- 32. _____
- 33. _____
- 34. _____
- 35. _____
- 36. _____
- 37. _____
- 38. _____
- 39. _____
- 40. _____
- 41. _____
- 42. _____
- 43. _____
- 44. _____
- 45. _____

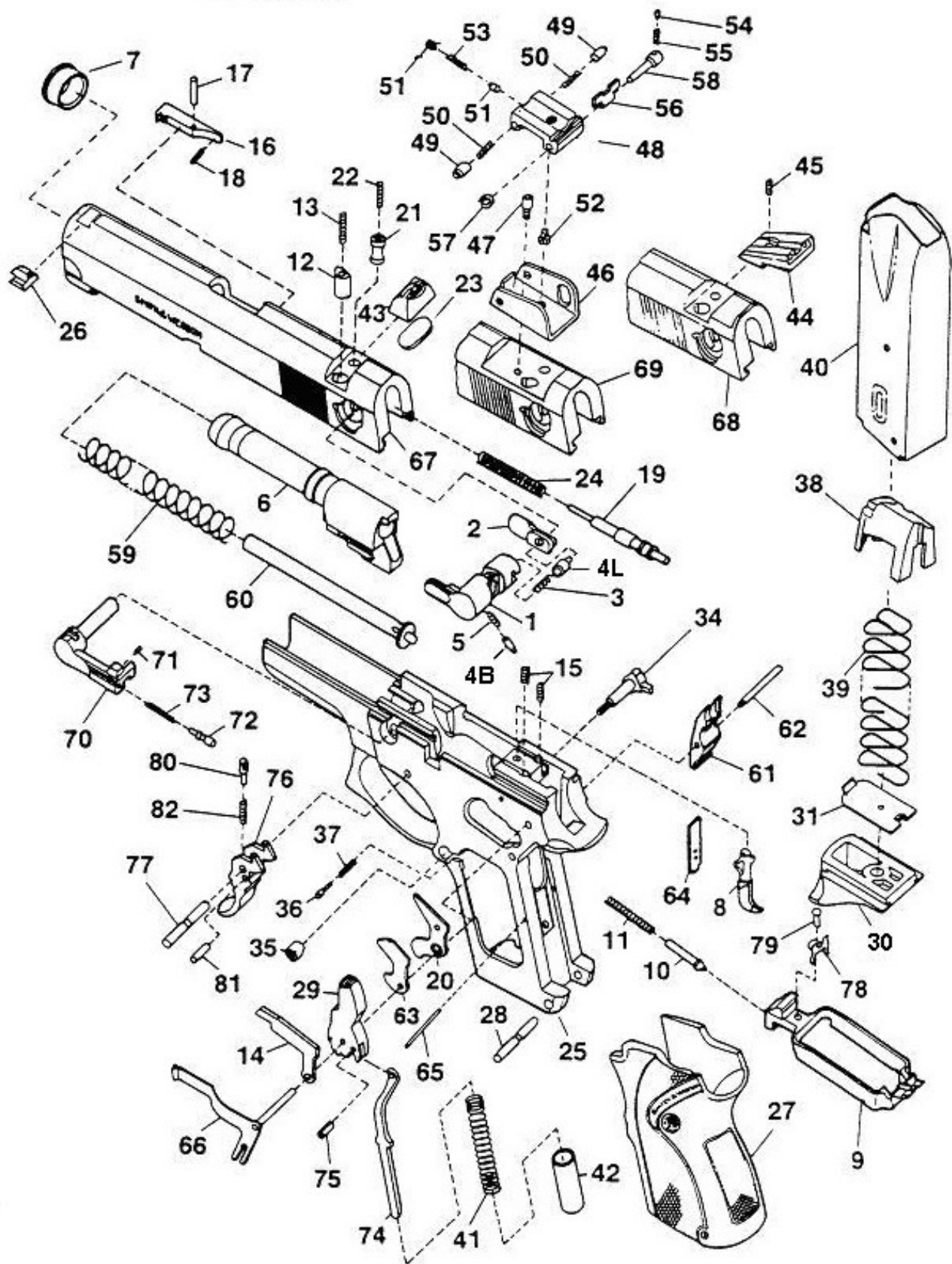
Smith & Wesson Pistol
Parts Nomenclature Quiz - Key

1. Barrel Bushing
2. Front Sight Assembly
3. Recoil Spring
4. Recoil Spring Guide Assembly
5. Barrel
6. Ambidextrous Manual Safety Body Plunger/Spring
7. Ambidextrous Manual Safety Lever Plunger/Spring
8. Ambidextrous Manual Safety Body
9. Ambidextrous Manual Safety Lever
10. Firing Pin
11. Firing Pin Spring
12. Firing Pin Safety Lever Spring Retainer
13. Firing Pin Safety Lever Plunger/Spring
14. Ejector Depressor Plunger/Spring
15. Rear Sight Base
16. Rear Sight Base Screw
17. Rear Sight Body
18. Rear Sight Body Plunger (2)/Spring (2)
19. Rear Sight Elevation Plungers (2)/Spring
20. Extractor
21. Extractor Pin

S&W Pistol Parts Nomenclature Quiz – Key - Page 2

22. Slide Stop Assembly
23. Trigger Pin
24. Trigger Assembly
25. Magazine Catch
26. Magazine Catch Plunger/Spring
27. Magazine Catch Nut
28. Side Plate Assembly
29. Ejector
30. Ejector Springs (2)
31. Hammer
32. Sear Release Lever
33. Firing Pin Safety Lever
34. Stirrup
35. Mainspring
36. Mainspring Plunger
37. Grip Pin
38. Grip
39. Drawbar
40. Trigger Play Spring
41. Drawbar Plunger/Spring
42. Disconnecter
43. Sear Spring
44. Sear
45. Sear Pin

TYPICAL SMITH & WESSON CENTERFIRE PISTOL



SMITH & WESSON – CENTERFIRE PISTOL – PARTS LIST

| VIEW # | PART NAME | VIEW # | PART NAME |
|--------|---|--------|---------------------------------------|
| 1. | Ambidextrous Manual Safety | | Rear Sight Assembly (adj.) |
| 2. | Ambi. Manual Safety Lever | 46. | Rear Sight Base |
| 3. | Ambi. Man. Safety Lever Plunger Spring | 47. | Rear Sight Base Screw |
| 4L. | Ambi. Manual Safety Lever Plunger | 48. | Rear Sight Body |
| 4B. | Ambi. Manual Safety Body Plunger | 49. | Rear Sight Body Plunger (2) |
| 5. | Ambi. Man. Safety Body Plunger Spring | 50. | Rear Sight Body Plunger Spring (2) |
| 6. | Barrel | 51. | Rear Sight Elevation Plunger (2) |
| 7. | Barrel Bushing | 52. | Rear Sight Elevation Screw |
| 8. | Disconnecter | 53. | Rear Sight Elevation Plunger Spring |
| 9. | Drawbar | 54. | Rear Sight Plunger |
| 10. | Drawbar Plunger | 55. | Rear Sight Plunger Spring |
| 11. | Drawbar Plunger Spring | 56. | Rear Sight Slide |
| 12. | Ejector Depressor Plunger | 57. | Rear Sight Windage Nut |
| 13. | Ejector Depressor Plunger Spring | 58. | Rear Sight Windage Screw |
| 14. | Ejector & Magazine Depressor | 59. | Recoil Spring |
| 15. | Ejector Spring (2) | 60. | Recoil Spring Guide Assembly |
| 16. | Extractor | | Recoil Spring Guide |
| 17. | Extractor Pin | | Recoil Spring Guide Bushing |
| 18. | Extractor Spring | | Recoil Spring Guide Plunger |
| 19. | Firing Pin | | Recoil Spring Guide Plunger Spring |
| 20. | Firing Pin Safety Lever | 61. | Sear |
| 21. | Firing Pin Safety Lever Plunger | 62. | Sear Pin |
| 22. | Firing Pin Safety Lever Plunger Spring | 63. | Sear Release Lever |
| 23. | Firing Pin Safety Lever Spring Retainer | 64. | Sear Spring |
| 24. | Firing Pin Spring | 65. | Sear Spring Retainer Pin |
| 25. | Frame | 66. | Sideplate Assembly (incl. Hammer Pin) |
| 26. | Front Sight | | |
| 27. | Grip | | Slide Assemblies (various) |
| 28. | Grip Pin | 67. | Slide Assembly (Fixed Sight) |
| | Hammer Assembly | 68. | Slide Assembly (Extended Fixed Sight) |
| 29. | Hammer | 69. | Slide Assembly (Adjustable Sight) |
| | Hammer Pin (see Sideplate Assembly) | | Slide Stop Assembly |
| | Magazine Assembly | 70. | Slide Stop |
| 30. | Magazine Butt Plate | 71. | Slide Stop Pin |
| 31. | Magazine Butt Plate Catch Assembly | 72. | Slide Stop Plunger |
| 34. | Magazine Catch (Right Hand) | 73. | Slide Stop Plunger Spring |
| 35. | Magazine Catch Nut | 74. | Stirrup |
| 36. | Magazine Catch Plunger | 75. | Stirrup Pin |
| 37. | Magazine Catch Spring | | Trigger Assembly |
| 38. | Magazine Follower | 76. | Trigger |
| 39. | Magazine Spring | 77. | Trigger Pin (or Insert Pin) |
| 40. | Magazine Tube | 78. | Trigger Play Spring |
| 41. | Mainspring | 79. | Trigger Play Spring Rivet |
| 42. | Mainspring Plunger | 80. | Trigger Plunger |
| 43. | Rear Sight (Fixed) | 81. | Trigger Plunger Pin |
| 44. | Rear Sight (Extended Fixed) | 82. | Trigger Plunger Spring |
| 45. | Rear Sight (Extended Fixed) Screw | | |

DPR S&W PISTOL FUNCTION TEST:

(Note: To be performed after each cleaning and/or disassembly - weapon must pass all checks)

- 1) **Pistol is in a SAFE condition:** Magazine removed, slide locked to the rear - check the chamber to be sure it is **EMPTY**. Double check that the pistol is **UNLOADED!**

All magazines are available and empty. No live ammunition nearby.

Check the overall appearance of the pistol.

- 2) **Bore Check:** Slide locked to the rear - insert your thumbnail or a piece of white paper into the ejection port to reflect light up through the bore and look down the bore from the muzzle end – *the bore must be clear of obstructions.*

Alternate Method: Slide locked to the rear - run a “Bore Snake” or cleaning rod with a patch down the bore, from the muzzle and out the ejection port to insure the bore is clear of obstructions.

- 3) **Slide on Frame Smooth:** Magazine removed, work the slide back and forth - *there must be no roughness or sticking.*

Repeat this check – with a magazine in and holding slide stop down.

- 4) **De-cocking Lever:** Cock the hammer in single-action (S/A) with slide forward (closed). Now rotate the de-cocking lever DOWN – *the hammer must fall*. Insert a magazine, leave the de-cocking lever in the DOWN position, and pull the trigger to the rear – *the hammer must not engage or move with trigger* (you should have “air trigger”). Magazine in, move the de-cocking lever to the UP position and pull the trigger all the way to the rear – *the hammer must engage and move with trigger and fall by the end of trigger travel to the rear*. This checks that the double-action trigger pull (D/A) is working properly. Next, check the S/A trigger pull – de-cocking lever UP, cock the hammer in S/A with the slide closed. Now pull the trigger through in S/A – *the hammer must fall*.

- 5) **Magazine Disconnect:** De-cock lever in the UP position, release the magazine, pull the trigger – *the hammer must not engage (D/A)*. Also check the S/A magazine disconnect – cock the hammer, slide closed, invert the pistol, release the magazine and pull the trigger – *the hammer must not fall*.

- 6) **Magazines Lock/Release (check all magazines):** Slide closed, insert a magazine into the magazine well – *the magazine must lock securely and must fall free when the magazine catch is depressed*. Next, lock the slide open and insert a magazine – *the magazine must lock securely and it must drop free when released with slide locked open*. Repeat these checks with all magazines.

- 7) **Slide Stop:** Insert a magazine and pull the slide fully to the rear – *the slide stop must self-engage and lock the slide open*. **Release Checks:** with the slide locked to the rear, then depress slide stop – *the slide must release, move forward and close*. Next, re-lock the slide to the rear and release the magazine. Now, pull the slide to the rear and release – *the slide must release from the slide stop, move forward and close*. *Note: for both release checks, the slide must release and move forward, unassisted, to a fully-closed/battery position.*

- 8) **1/4" Disconnect:** De-cocking lever in the UP position, insert a magazine, cock the hammer in S/A with slide closed. Next, slowly move the slide to the rear until the barrel starts to unlock, now pull the trigger – *the hammer must not fall (S/A)*. Now de-cock the hammer and check the D/A disconnect.

Start with the slide closed, the de-cocking lever UP and the hammer down. Next, slowly move the slide to the rear until the barrel starts to unlock, now pull the trigger – *the hammer must not engage or move with trigger (D/A)*.

- 9) **Pistol is in a SAFE condition:** De-cock the hammer, remove the magazine, lock the slide to the rear and check the chamber to be sure it is **EMPTY**. The Function Test is complete.

FIREARMS INSPECTOR GROUP 12 – AGENDA
(Part 1 – Pistols)
March 28-April 2, 2009

Saturday
March 28

1500- Check-in at the Asilomar Administration Building

Sunday
March 29

| | | |
|-----------|---|-----------------------------|
| 0800-0900 | Program Orientation | Cardinet |
| 0900-1000 | Introductions and SAFETY Course Objectives, Review Firearms Inspector Program - Duty Statements, Geographic Areas, Legal Responsibilities and DPR Policies | Wilbur Falat |
| 1000-1030 | Parts, Tools and Supplies | Butzke/ Hardenbrook |
| 1030-1200 | S&W 4006 Pistol: Introduction to Parts, Nomenclature, Disassembly and Reassembly | Falat/ Van Etten-Collins |
| 1200-1300 | <i>Lunch</i> | |
| 1300-1330 | S&W Pistol Parts/Nomenclature Quiz | Falat/ Van Etten-Collins |
| 1330-1400 | S&W Pistol Fitted Parts and Manufacturing Variables | Hardenbrook |
| 1400-1500 | DPR Pistol Cleaning and Lubrication Methods | Grennell/Falat |
| 1500-1700 | 4006 Disassembly/Reassembly Review, Tips and Tricks | Falat/ Van Etten-Collins |

Monday
March 30

| | | |
|-----------|--|-----------------------------|
| 0800-0830 | Review, Comments and Questions | Falat |
| 0830-0930 | Shipping Weapons, Forms and Record Keeping | Hardenbrook |
| 0930-1100 | S&W Pistol: History, Design (including Safeties/Levers), Ballistics and Cycle of Operation (FCLFUEEC) | Hardenbrook/ Marquette |
| 1100-1200 | Pistol Disassembly/Reassembly Review | Falat/ Van Etten-Collins |
| 1200-1300 | <i>Lunch</i> | |
| 1300-1500 | S&W 4006 Inspection Methods and Techniques | Butzke/Grennell |
| 1500-1700 | Pistol Inspection Methods and Function Test - continued | Butzke/Grennell |

Tuesday
March 31

| | | |
|-----------|---|-----------------|
| 0800-0830 | Review, Comments and Questions | Butzke/Grennell |
| 0830-1130 | Pistol Inspections - Problem Areas and More Repetitions | Butzke/Grennell |

FIREARMS INSPECTOR GROUP 12 – AGENDA
(Part 1 – Pistols)
March 28-April 2, 2009

| | | |
|-----------|--|---------------------------|
| 1130-1200 | Function Test Review | Falat |
| 1200-1300 | <i>Lunch</i> | |
| 1300-1400 | Pistol Malfunctions, Prevention, and Troubleshooting | Hardenbrook/ Marquette |
| 1400-1700 | Pistol - Practical Problems Exercises | Hardenbrook/ Staff |

Wednesday
April 1

| | | |
|-----------|---|-----------------------|
| 0800-0830 | Review, Comments and Questions | Falat |
| 0830-0930 | Pistol Safeties and Cycle of Operation Review | Hardenbrook |
| 0930-1130 | Pistol Inspection Review | Kenney/Butzke |
| 1130-1200 | Function Test Review | Falat |
| 1200-1300 | <i>Lunch</i> | |
| 1300-1530 | Pistol - Practical Problems Exercises | Hardenbrook/ Staff |
| 1530-1600 | Special Problems and Solutions | Falat |
| 1600-1700 | Pistol Written Exam | Kenney |

Thursday
April 2

| | | |
|-----------|---------------------------------------|---------------------------|
| 0800-0900 | Final Exam Review | Kenney/Butzke |
| 0900-1130 | Test Fire All Weapons/Practical Exam | Marquette/ Hardenbrook |
| 1130-1200 | Post Training Assignments and Closure | Wilbur/Cardinet |
| 1200- | <i>Lunch and Departure</i> | |

FIREARMS INSPECTOR TRAINING PROGRAM - S&W PISTOLS 36 HOURS

PROGRAM OUTLINE - HOURLY BREAKDOWN

| | |
|--|---------------|
| <u>PROGRAM ADMINISTRATION</u> | 2 |
| Orientation..... | |
| Introduction | |
| Course Objectives and Firearms Inspector Program | |
| DPR Authorities, Policies, and Geographic Coverage Areas | |
| Safety, Legal Aspects and Liabilities | |
| <u>RECORD KEEPING</u> | 2 |
| Pistol Inspection Check List (DPR 824A) | |
| DPR 153D Weapon Repair History | |
| Yearly Inspection Reports | |
| Geographic Division of Inspections | |
| <u>DESIGN, NOMENCLATURE, FUNCTION AND GLOSSARY OF TERMS</u> | 4 |
| Smith & Wesson Pistol History, Design and Cycle of Operation | |
| Smith & Wesson Pistol Parts Nomenclature and Function..... | |
| <u>SMITH & WESSON PISTOL DISASSEMBLY/ASSEMBLY AND INSPECTION</u> | 5 |
| Disassembly and Re-assembly of Smith & Wesson 4006..... | |
| Cleaning, Lubrication and Maintenance Methods and Requirements | |
| Smith & Wesson Pistol Inspection Methods/Techniques and Function Tests ... | |
| Using the Inspection Check List (DPR 824A)..... | |
| <u>PARTICIPANT INSPECTIONS - PRACTICAL APPLICATION</u> | 11 |
| Disassembly and Re-assembly of Smith & Wesson 4006..... | |
| Smith & Wesson Pistol Inspection Methods/Techniques and Function Tests ... | |
| Post-Inspection Pistol Test Firing..... | |
| <u>TROUBLESHOOTING, DIAGNOSIS AND PROBLEM SOLVING</u> | 3 |
| Discussion of Malfunctions, Prevention and Troubleshooting | |
| Discussion of Problems, Solutions and Responsibilities | |
| <u>PRACTICAL EXERCISES, REVIEW, EXAMS AND SUMMARY</u> | 9 |
| Final Exam and Review..... | |
| Practical Exercises, Practical Exam and Review | |
| Summary of Program | |
| TOTAL HOURS | 36 |

FIREARMS INSPECTOR TRAINING – PISTOLS **COURSE OBJECTIVES**

ORIENTATION AND PROGRAM ADMINISTRATION

Purpose: The participant will understand the policy limits, objectives of the program, and legal liabilities of Firearms Inspectors.

Performance Objectives: By the close of the session the participant will

1. Discuss the policy limits of State Park Firearms Inspectors.
2. Review the program objectives.
3. Be introduced to the program instructors and identify Armorers responsible for your District.
4. Discuss the legal liabilities of a Firearms Inspector.

RECORD KEEPING

Purpose: To know the methods, forms, and personnel responsible for keeping records of Firearms Inspections.

Performance Objectives: By the close of the session the participant will

1. Demonstrate the use of DPR 824A Pistol Inspection Checklists.
2. Demonstrate the use of DPR 153D, Weapon Repair History form.
3. Discuss annual inspection reports and division of inspection responsibility.

SEMI-AUTO PISTOL NOMENCLATURE, FUNCTION AND GLOSSARY OF TERMS

Purpose: To know the names of all parts of a Smith & Wesson semi-automatic pistol and understand how those parts function within that pistol.

Performance Objectives: By the close of the session the participant will

1. Study the weapon diagrams, parts list and terminology (prior to class).
2. List and understand the terminology and functions of the various pistol parts (during class).

3. Understand and discuss the cycle of operation of the S&W semi-auto pistol (during class).

SEMI-AUTO PISTOL DISASSEMBLY, RE-ASSEMBLY AND INSPECTION

Purpose: To know and understand the correct procedure to disassemble, clean, inspect, reassemble and function check a Smith & Wesson semi auto pistol. The goal of this inspection is to ensure that State Park Peace Officers are carrying a clean, reliable and safe duty handgun.

Performance Objectives: By the close of the session the participant will

1. Review, discuss and be able to demonstrate the correct steps and tools needed to disassemble and reassemble a Smith & Wesson semi auto pistol.
2. Use proper tools and techniques to properly clean and lubricate the internal parts of the Smith & Wesson semi auto pistol.
3. Review, discuss and understand the use of the DPR 824A Auto Pistol Inspection Checklist.
4. Review, discuss and demonstrate the correct use of tools and methods of testing needed to use the Inspection Checklist in order to test/function check a weapon without firing it.
5. Manually inspect sample weapons using the Inspection Checklist to identify problems with one or more functions of the pistol.
6. Discuss and understand malfunction detection, causes and review sample malfunctioning parts.
7. Be able to successfully test fire, with no malfunctions, a pistol after completing an inspection as a final check that the pistol is functioning within Smith & Wesson and DPR specifications.

MALFUNCTION TROUBLESHOOTING AND DIAGNOSIS

Purpose: To be able to correctly diagnose and identify malfunctions of the Smith & Wesson semi-auto pistol and their potential causes and be able to instruct field staff on malfunction prevention in the S&W pistol.

Performance Objectives: By the close of the session the participant will

1. List several common pistol malfunctions and identify which portion of the pistol cycle of operation has failed.
2. Explain the importance and potential causes and corrections for each of the malfunctions listed.
3. Practice hands-on detection of malfunctions and malfunction prevention/correction.

PROBLEM SOLVING

Purpose: To be able to identify internal problems of a poorly maintained Smith & Wesson Model 4006 and take or recommend corrective action.

Performance Objectives: By the close of the session the participant will

1. With instructor direction, identify typical internal problems found, and practice corrective action by proper use of methods and tools.
2. Be able to record, using proper terminology, the problem(s) found during inspection and the corrective measures taken to correct the problem(s).

EXPANDED COURSE OUTLINE

- I. PROGRAM ADMINISTRATION
 - A. Orientation- Course Registration
 - B. Introduction of Armorer/Instructors
 - C. Course Objectives
- II. DPR ARMORER/FIREARMS INSPECTOR PROGRAM
 - A. Overview
 - 1. Department Operations Manual (DOM) references:
 - 2. Goal: To maintain all DPR firearms at the highest level of reliability/serviceability
 - 3. Accomplished by a coordinated system of preventive maintenance techniques, annual inspections, function tests, test firing and when necessary, repairs.
 - 4. Coordinated by factory-trained DPR authorized Armorers
 - 5. Firearms Inspectors - DPR policy limits level of repair: perform annual inspections, test fires and replace authorized (non-fitted) parts - not authorized to "move" metal (no grinding, filing, stoning or polishing is allowed). Most repairs go to Armorers.
 - 6. DPR Armorers - also perform annual inspections, test fires and perform factory- authorized repairs, including installing fitted parts.
 - B. Geographic areas of responsibility (District coverage breakdown)
 - 1. Firearms Inspectors - responsible for weapon maintenance/repair in sector/district.
 - 2. Armorers - coordinate weapon maintenance/repair for several districts.
 - C. Legal Aspects and Liabilities:
 - 1. Law enforcement firearms are used to protect or possibly to take a life, therefore reliability and performance of the firearm are critical.
 - 2. Liability potential is high - stay within the scope of your training and program guidelines.
- III. PARTS, TOOLS, SUPPLIES and SAFETY
 - A. Distribute parts, tools and supplies to students
 - B. Classroom Safety Rules:
 - 1. No loaded weapons of any kind or live ammunition in the classroom.
 - 2. Only weapons checked by an instructor are allowed in the classroom.
 - 3. Assembled weapons will be "benched" with the slide locked open and the ejection port facing up and visible.
 - 4. Dry firing and function tests will only be done at the direction of an instructor.
 - C. Place pistols to be inspected on student work benches.
- IV. SMITH & WESSON NOMENCLATURE, DISASSEMBLY AND REASSEMBLY
 - A. S&W 4006 nomenclature, functions and pistol sub-assemblies.

EXPANDED COURSE OUTLINE (continued)

- B. Pistol field-strip/sub-assemblies demonstration, student application and practice.
- C. Pistol disassembly demonstration, student application and practice.
- D. Pistol reassembly demonstration, student application and practice.
- V. **S&W SEMI-AUTO PISTOL DESIGN, CYCLE OF OPERATION AND BALLISTICS**
 - A. Smith & Wesson SA/DA semi-auto pistol design/operation
 - 1. History - Previous SA only pistols, John Browning - tilting barrel, barrel bushing (accuracy), safeties, single-column magazines.
 - 2. S&W Model 39 - SA/DA operation, de-cock feature, safeties, magazine safety, tilting barrel (frame/barrel cuts vs. toggle link), mag. release location, double-column magazines and large ejection port. Evolution: 2nd/3rd generation changes.
 - B. Cycle of operation - Feed, Chamber, Lock, Fire, Unlock, Extract, Eject and Cock.
 - C. Ammunition ballistics: 40 S&W - compromise of 9mm vs. 45 ACP, large caliber, heavy bullet, good penetration, manageable recoil (recovery on multiple shots), high capacity, double-column magazine, built on 9mm frame for smaller size (vs. 45) and better officer versatility and adaptability.
 - 1. Internal ballistics
 - 2. External ballistics
 - 3. Pressures - handgun vs. rifle
- VI. **INSPECTION RECORDKEEPING**
 - A. Review use of DPR 824A - S&W Pistol Inspection Checklist
 - B. Review use of DPR 153D - Weapon Repair History
 - C. Discuss overall inspection recordkeeping system including; tracking of inspections; use of Weapons Log Sheet and use of annual inspection reports.
 - D. Shipping weapons for repairs - UPS now requires 2 separate packages; 1 for slide or upper receiver and 1 for frame or lower receiver.
- VII. **S&W PISTOL DISASSEMBLY, REASSEMBLY AND INSPECTION METHODS**
 - A. Demonstrate and discuss procedures, techniques, rationale and proper use of tools for disassembling, inspecting, re-assembling, function testing and test firing an S&W Pistol, utilizing the DPR 824A - S&W Pistol Inspection Checklist form.
 - B. Supervised student application of S&W Pistol disassembly, inspection and reassembly.
- VIII. **S&W PISTOL CLEANING, LUBRICATION AND MAINTENANCE**
 - A. Demonstrate and discuss proper procedures, techniques and rationale for cleaning, lubrication and maintenance of the Smith & Wesson semi-auto pistol.
 - B. Supervised student application of proper cleaning, lubrication and maintenance of the S&W semi-auto pistol.

EXPANDED COURSE OUTLINE (continued)

- IX. PISTOL MALFUNCTIONS, PREVENTION AND TROUBLESHOOTING
 - A. Potential pistol malfunctions or problems that may occur - identifying causes.
 - B. Methods and techniques to prevent or eliminate specific pistol malfunctions.
 - C. Troubleshooting problems -
 - 1. Accurate description of the malfunction, replicate the problem.
 - 2. Diagnose which cycle of operation function is failing - feed, fire, extract, etc.
 - 3. Try to isolate the condition.
- X. REVIEW, COMMENTS AND QUESTIONS
- XI. FINAL WRITTEN EXAM
- XII. S&W 4006 DISASSEMBLY/REASSEMBLY AND INSPECTION PRACTICAL EXAM
- XIII. TEST FIRE ALL WEAPONS AND WEAPON CLEANING
- XIV. POST-TRAINING ASSIGNMENTS, SUMMARY AND CLOSURE

FIREARMS INSPECTOR GROUP 12 - AGENDA
(Part 2 – Long Guns: Shotgun and AR-15 Rifle)
April 20-25, 2009

Monday
April 20

1500- Check-in at the Asilomar Administration Building

Tuesday

April 21

| | | |
|-----------|---|------------------------------|
| 0800-0830 | Program Orientation | Cardinet |
| 0830-0900 | Introductions, Program Review | Wilbur/Falat |
| 0900-0930 | Shotgun and AR-15 Parts, Tools, Supplies and SAFETY | Butzke/Falat |
| 0930-1100 | Remington 870 Shotgun: Introduction to Parts, Nomenclature, Disassembly and Reassembly | Van Etten-Collins/ Kenney |
| 1100-1200 | Shotgun: History, Design, Ballistics and Cycle of Operation (FCLFUEEC) | Kenney |
| 1200-1300 | <i>Lunch</i> | |
| 1300-1330 | Remington 870 Shotgun Parts/Nomenclature Quiz | Van Etten-Collins/ Kenney |
| 1330-1430 | Shotgun Disassembly/Reassembly Review, Tips and Tricks | Van Etten-Collins/ Kenney |
| 1430-1700 | Shotgun Inspection Methods and Recordkeeping | Kenney/ Van Etten-Collins |

Wednesday

April 22

| | | |
|-----------|--|------------------------------|
| 0800-0830 | Review, Comments and Questions | Kenney/Staff |
| 0830-0900 | Shotgun Cleaning, Lubrication and Maintenance | Falat/Kenney |
| 0900-1000 | Shotgun Inspections | Kenney/ Van Etten-Collins |
| 1000-1030 | Shotgun Malfunctions and Troubleshooting | Hardenbrook |
| 1030-1200 | Shotgun Problem Solving- Practical Exercises | Hardenbrook/ Staff |
| 1200-1300 | <i>Lunch</i> | |
| 1300-1430 | Colt AR-15: Introduction to Parts, Nomenclature, Disassembly and Reassembly | Falat/Butzke |
| 1430-1530 | AR-15: History, Design, Ballistics and Cycle of Operation (FCLFUEEC) | Butzke/Falat |
| 1530-1700 | AR-15 Disassembly/Reassembly Review, Tips and Tricks | Falat/Butzke |

FIREARMS INSPECTOR GROUP 12 - AGENDA
(Part 2 – Long Guns: Shotgun and AR-15 Rifle)
April 20-25, 2009

Thursday

April 23

| | | |
|-----------|--|-----------------------|
| 0800-0830 | Review, Comments and Questions | Falat/Staff |
| 0830-0900 | Colt AR-15 Parts/Nomenclature Quiz | Falat/Butzke |
| 0900-1200 | Colt AR-15 Inspection Methods and Recordkeeping | Butzke/Falat |
| 1200-1300 | <i>Lunch</i> | |
| 1300-1330 | Colt AR-15 Cleaning, Lubrication and Maintenance | Kenney/Falat |
| 1330-1430 | AR-15 Inspections | Butzke/Falat |
| 1430-1500 | AR-15 Malfunctions and Troubleshooting | Hardenbrook |
| 1500-1700 | AR-15 Problem Solving- Practical Exercises | Hardenbrook/ Staff |

Friday

April 24

| | | |
|-----------|--|------------------------------|
| 0800-0830 | Review, Comments and Questions | Butzke/Staff |
| 0830-1030 | Pistol Inspection Review | Grennell/ Hardenbrook |
| 1030-1200 | Shotgun Inspection Review | Kenney/ Van Etten-Collins |
| 1200-1300 | <i>Lunch</i> | |
| 1300-1500 | AR-15 Inspection Review | Butzke/Falat |
| 1500-1600 | Special Problems, Questions and Review | Falat/Staff |
| 1600-1700 | Written Final Exam | Falat/Staff |

Saturday

April 25

| | | |
|-----------|---------------------------------------|-----------------------|
| 0800-0900 | Final Exam Review | Falat/Staff |
| 0900-1130 | Test Fire All Weapons/Practical Exam | Hardenbrook/ Staff |
| 1130-1200 | Post Training Assignments and Closure | Wilbur/ Cardinet |
| 1200- | <i>Lunch and Departure</i> | |

PROGRAM ATTENDANCE CHECKLIST

FIREARMS INSPECTOR – PART 2 – SHOTGUN AND AR-15

To assist you in your preparation for formal training sessions at the William Penn Mott Jr. Training Center, the following checklist is provided:

1. Be sure you have read and understand the Firearms Inspector Training Program Syllabus prior to the first scheduled session.
2. Arrange your travel through your District Office.
3. **Complete the Firearms Inspector Pre-Training Assignment.**
4. Bring the following with you to training:
 - Firearms Inspector Training Program Syllabus
 - Firearms Inspector Manual (Binder) and any Firearms Inspection Records
 - Body armor, hearing protection and safety glasses
 - Uniforms are not required for this program. Appropriate attire shall be worn (no shorts, t-shirts or open-toed sandals).
 - Tools and accessories as listed below:
 - Firearms Inspector Tool Kit and Bench Mat
 - Smith & Wesson 4006 semi-auto pistol with at least 3 magazines
 - Colt AR-15 Patrol Rifle with 2 Magazines
(including cleaning rods and other cleaning materials that came with the rifle)
 - Remington 870 shotgun
(including original trigger plate pins and keys for locking safety, if so equipped)
 - Appropriate cleaning kits and supplies for all 3 weapons
 - Tape measure
 - Mini – Maglite or other small flashlight
 - Shop apron (optional)
 - Any malfunctioning or problem weapons from your District
 - Pens, pencils and coffee cup

PRE-TRAINING ASSIGNMENT

FIREARMS INSPECTOR GROUP 12 – PART 2 – SHOTGUN AND AR-15

Pre-training Assignments:

- Read and understand the Firearms Inspector Training Program Syllabus.
- Review nomenclature for the 4006 Pistol, and learn the parts nomenclature for the Remington 870 Shotgun and the Colt AR-15 Rifle.
- Review Function Tests for pistol, shotgun and rifle (demo and explain by course end).
- Bring any problem weapons or parts from your District to Long Guns training.

The goal of the DPR Armorer/Firearms Inspector Program is to maintain all DPR firearms at the highest level of reliability and serviceability through a coordinated system of preventive maintenance techniques, annual inspections, test firing and when necessary, repairs. The purpose of this training program is to develop your knowledge and level of understanding of how the Smith & Wesson Pistol, the Remington 870 Shotgun and the Colt AR-15 Rifle function; train you how to correctly perform inspections on all 3 weapons and observe you doing inspections to insure you are performing those inspections correctly.

Firearms Inspector Training is a 72 hour, two part course of instruction-Pistols (36 hours) and Long Guns (36 hours). During this second part of the course we will examine in detail and learn to inspect the Remington 870 Shotgun and the Colt AR-15 Rifle. Firearms Inspector Refresher Training (36 hours) on all three weapons, will be required every 3 or 4 years.

Learning the part names of the S&W 4006 pistol, the Remington 870 shotgun and the Colt AR-15 Rifle, **prior to** attendance in these Firearms Inspector classes, **is required**. The student who does not master the part names of these three weapons will find himself/herself struggling to progress normally through the classes and may not successfully complete the program. Knowing the part names will help you relate and describe a problem when consulting with an Armorer, so that the problem can be correctly diagnosed and the correct resolution to the problem undertaken.

There **will** be quizzes on parts nomenclature for the Remington 870 shotgun and the Colt AR-15 Rifle during the Long Guns course. To help you memorize the names and appearance of these various parts, some exploded views of the 870 shotgun and AR-15 rifle are provided in the Long Guns portion of this syllabus. A test on parts nomenclature for all three weapons will be part of the final exam for passing the Firearms Inspector Program. There will also be a practical exam on the final day of the course where students will be asked to perform and explain the Function Test on any of the three weapons and several stations where students will be asked to troubleshoot a variety of typical problems in any of the three weapons.

REMINGTON MODEL 870™

Pump Action Shotgun PARTS LIST

VIEW PART NAME
#

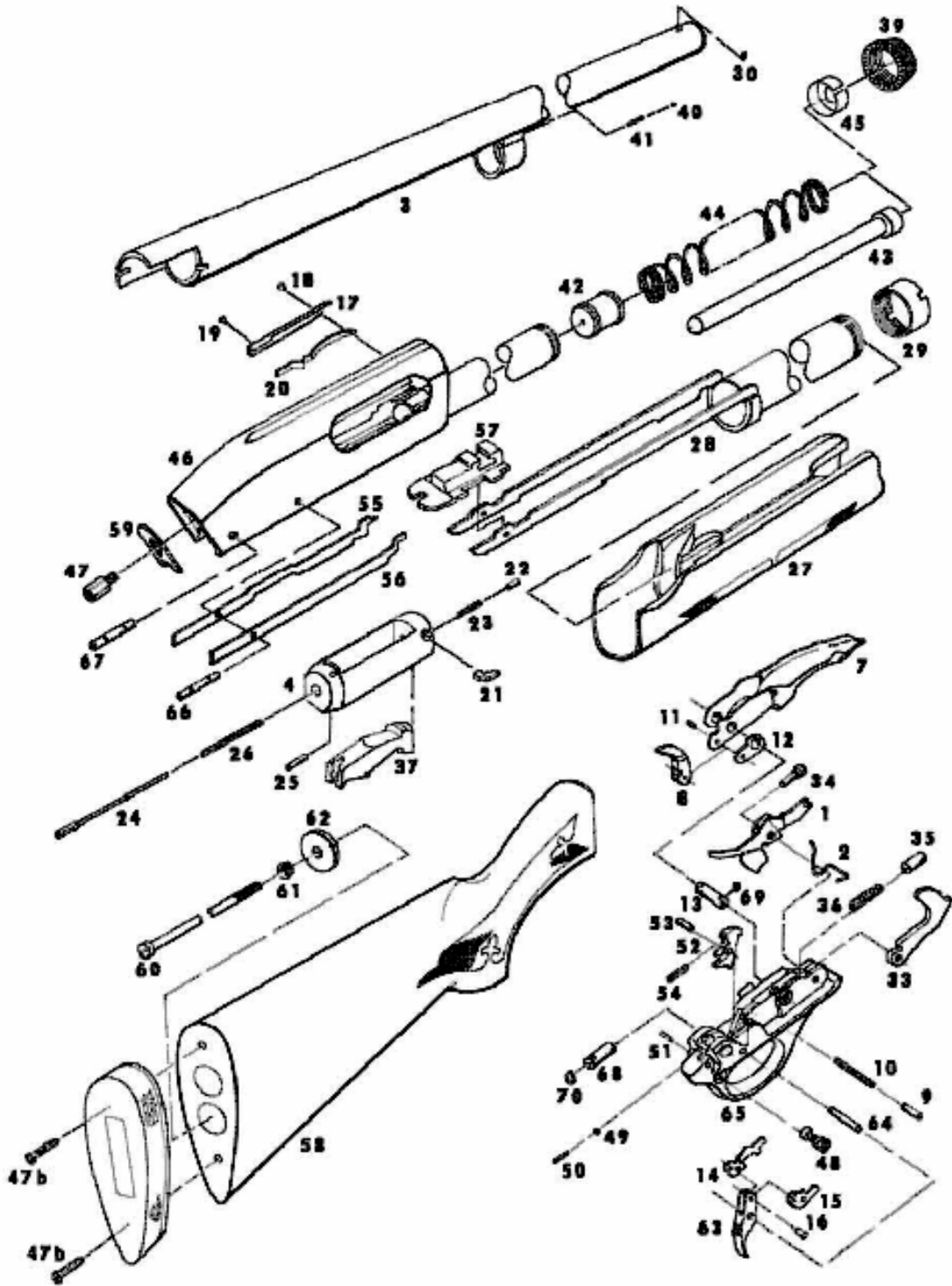
| | |
|---|-----------------------------|
| 1 | Action Bar Lock |
| 2 | Action Bar Lock Spring |
| NOTE: All barrels (same gauge) are interchangeable without adjustment. | |
| 3 | Barrel Assembly |
| 4 | Breech Bolt |
| 7 | Carrier |
| 8 | Carrier Dog |
| 9 | Carrier Dog Follower |
| 10 | Carrier Dog Follower Spring |
| ✕ 11 | Carrier Dog Pin |
| ✕ 12 | Carrier Dog Washer |
| 13 | Carrier Pivot Tube |
| 14 | Connector, Left |
| 15 | Connector, Right |
| ✕ 16 | Connector Pin |
| 17 | Ejector |
| 18 | Ejector Rivet, Front |
| 19 | Ejector Rivet, Rear |
| 20 | Ejector Spring |
| 21 | Extractor |
| 22 | Extractor Plunger |
| 23 | Extractor Spring |
| 24 | Firing Pin |
| 25 | Firing Pin Retaining Pin |
| 26 | Firing Pin Retractor Spring |
| 27 | Fore-end Assembly |
| 28 | Fore-end Tube Assembly |
| 29 | Fore-end Tube Nut |
| 30 | Front Sight |
| 33 | Hammer |
| ✕ 34 | Hammer Pin |
| 35 | Hammer Plunger |
| ✕ 36 | Hammer Spring |

✕ It is not necessary to memorize these part names

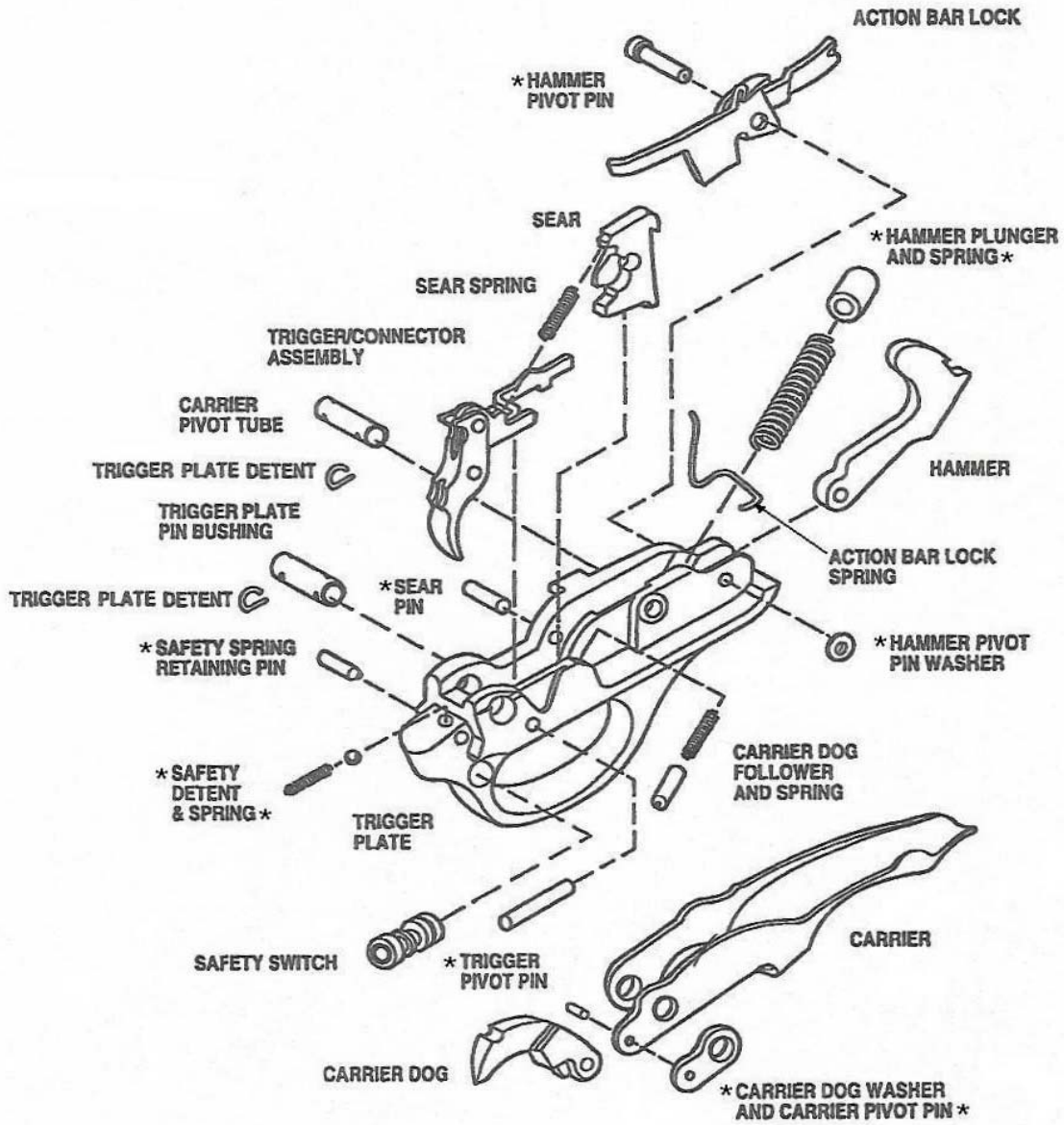
VIEW PART NAME
#

| | |
|------|--|
| 37 | Locking Block Assembly |
| 39 | Magazine Cap |
| 40 | Magazine Cap Detent |
| 41 | Magazine Cap Detent Spring |
| 42 | Magazine Follower |
| 43 | Magazine Plug, 3-Shot |
| 44 | Magazine Spring |
| 45 | Magazine Spring Retainer |
| 46 | Receiver Assembly (Restricted) |
| 47 | Receiver Stud |
| 47b | Recoil Pad Screw |
| 48 | Safety Mechanism |
| ✕ 49 | Safety Mechanism Detent Ball |
| ✕ 50 | Safety Mechanism Spring |
| ✕ 51 | Safety Mechanism Spring Retaining Pin |
| 52 | Sear |
| ✕ 53 | Sear Pin |
| 54 | Sear Spring |
| 55 | Shell Latch, Left |
| 56 | Shell Latch, Right |
| 57 | Slide Assembly |
| 58 | Stock Assembly |
| 59 | Stock Bearing Plate |
| 60 | Stock Bolt |
| 61 | Stock Bolt Lock Washer |
| 62 | Stock Bolt Washer |
| 63 | Trigger Assembly (Restricted) |
| ✕ 64 | Trigger Pin |
| 65 | Trigger Plate, R.H. Safety Mechanism (Restricted) |
| 66 | Trigger Plate Pin, Front |
| 67 | Trigger Plate Pin, Rear |
| 68 | Trigger Plate Pin Bushing |
| 69 | Trigger Plate Pin Detent Spring, Front |
| 70 | Trigger Plate Pin Detent Spring, Rear |

Remington Model 870 Shotgun



Internal Parts of Fire Control Remington Model 870



* It is not necessary to memorize these part names.

For Information Only: Do Not Disassemble

DPR 870 SHOTGUN FUNCTION TEST:

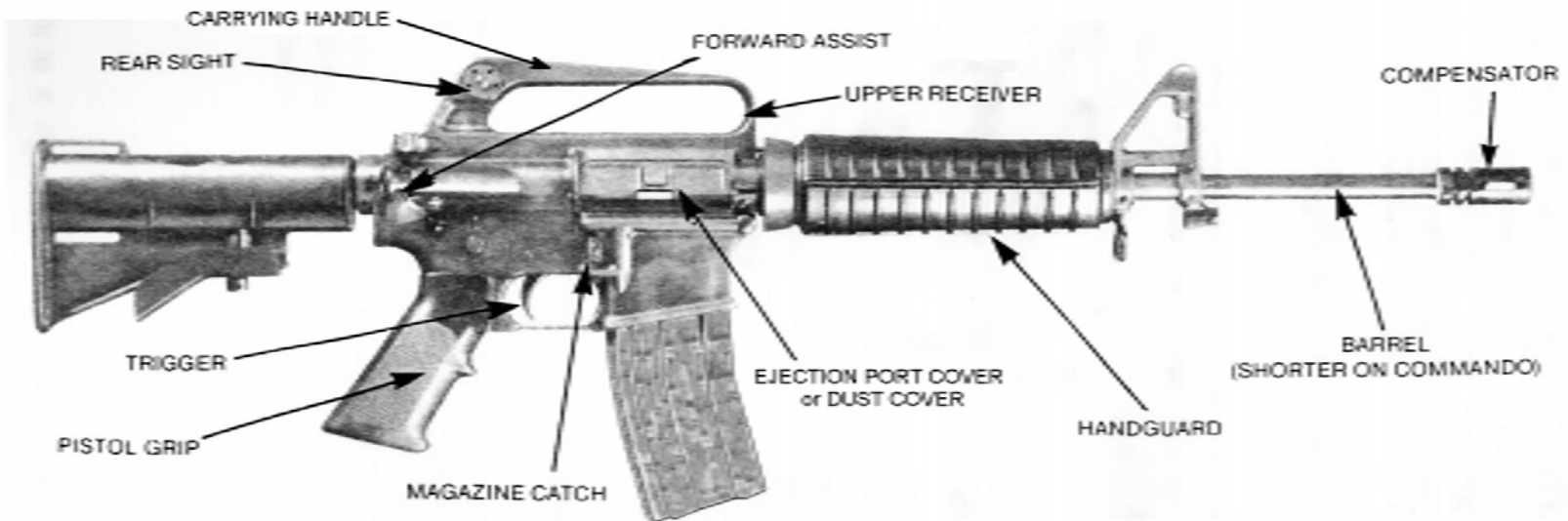
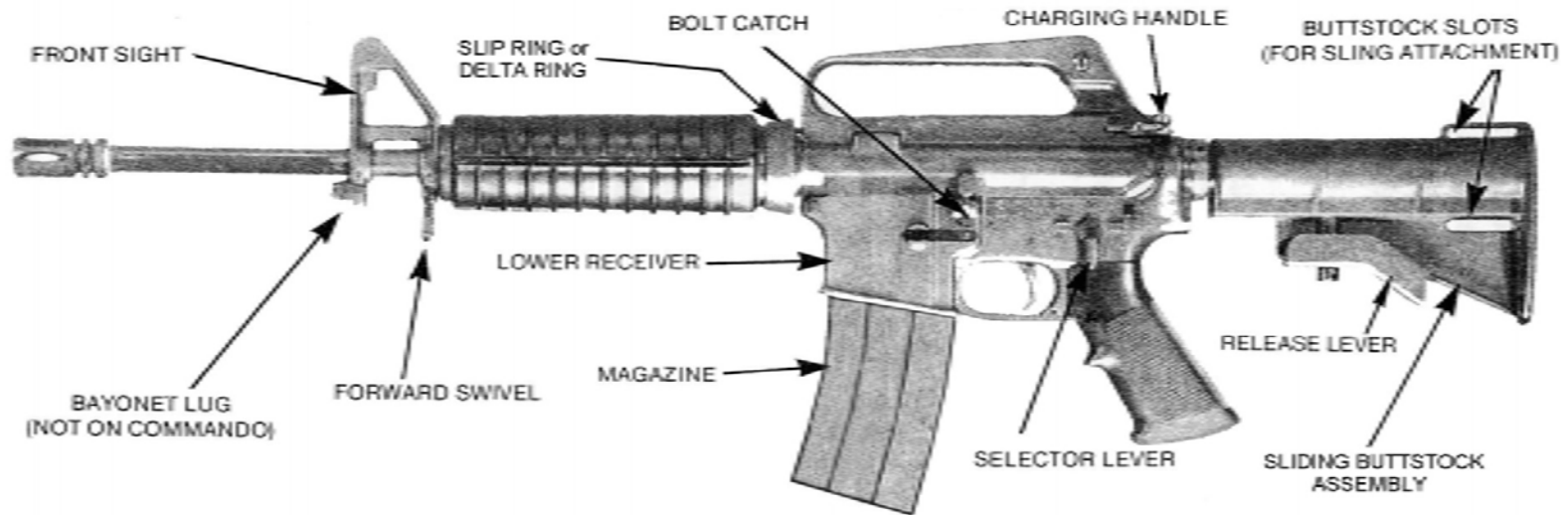
(Note: performed after each cleaning and/or disassembly – weapon must pass all checks)

- 1) **Shotgun is in a SAFE Condition:** Safety to the "safe" position, open the action, and check that the magazine tube and the chamber are EMPTY. Double check that the shotgun is **UNLOADED!**
No live ammunition nearby.
Check the overall appearance of the shotgun.
- 2) **Bore Check:** Safety to "safe" position, action open and look down the bore – *the bore must be clear of obstructions.*
Alternate Method: Open the action/breech bolt and run a "Bore Snake" or cleaning rod with a patch down the bore to insure the bore is clear of obstructions.
- 3) **Action Works Smoothly:** Depress the action release and work the slide back and forth several times - *the action must be free of roughness or sticking.*
- 4) **Safety Check:** Move the safety back and forth – *the safety must click into "safe"/"fire" positions.* Move the safety to the "safe" position, pull the trigger – *the hammer must not fall.* Move the safety to the "fire" position, pull the trigger – *the hammer must fall.*
- 5) **Trigger Disconnect Check:** Safety to the "fire" position, open the action, hold the trigger to the rear while closing the action - *weapon must not fire until the trigger is released and then re-pulled.*
- 6) **Action Bar Lock Check:** Safety to the "fire" position, fully close the slide, and then without depressing the action bar lock, attempt to pull the slide to the rear – *the slide must not move to the rear if the action bar lock is working properly.* Next, depress the action bar lock and move the slide to the rear – *the slide must move rearward.* Now, close the action and attempt to pull the slide to the rear – *the slide must not move to the rear.* Next, pull the trigger and move the slide to the rear – *the slide must move rearward.*
- 7) **Shell Carrier/Shell Latches Checks:** Safety to the "safe" position, action closed and invert the shotgun with magazine loading port up. Identify and push up on shell carrier – *it must be spring-loaded.*
Next, identify and depress the left shell latch (it will be to the right when the shotgun is belly up) – *it should be spring-loaded.* Now, release and open the action and push the carrier to the "locked-up" position. Identify and depress the right shell latch - *it should also be spring-loaded.*
- 8) **Magazine Cap/Magazine Follower Checks:** Safety to the "safe" position and action open. Check that the magazine cap or magazine extension coupler is tight. Next, identify the orange law enforcement follower - *it must be present and spring loaded.*
- 9) **Shotgun in a SAFE Condition:** Safety to the "safe" position, action open, magazine tube and chamber are EMPTY. The Function Test is complete.

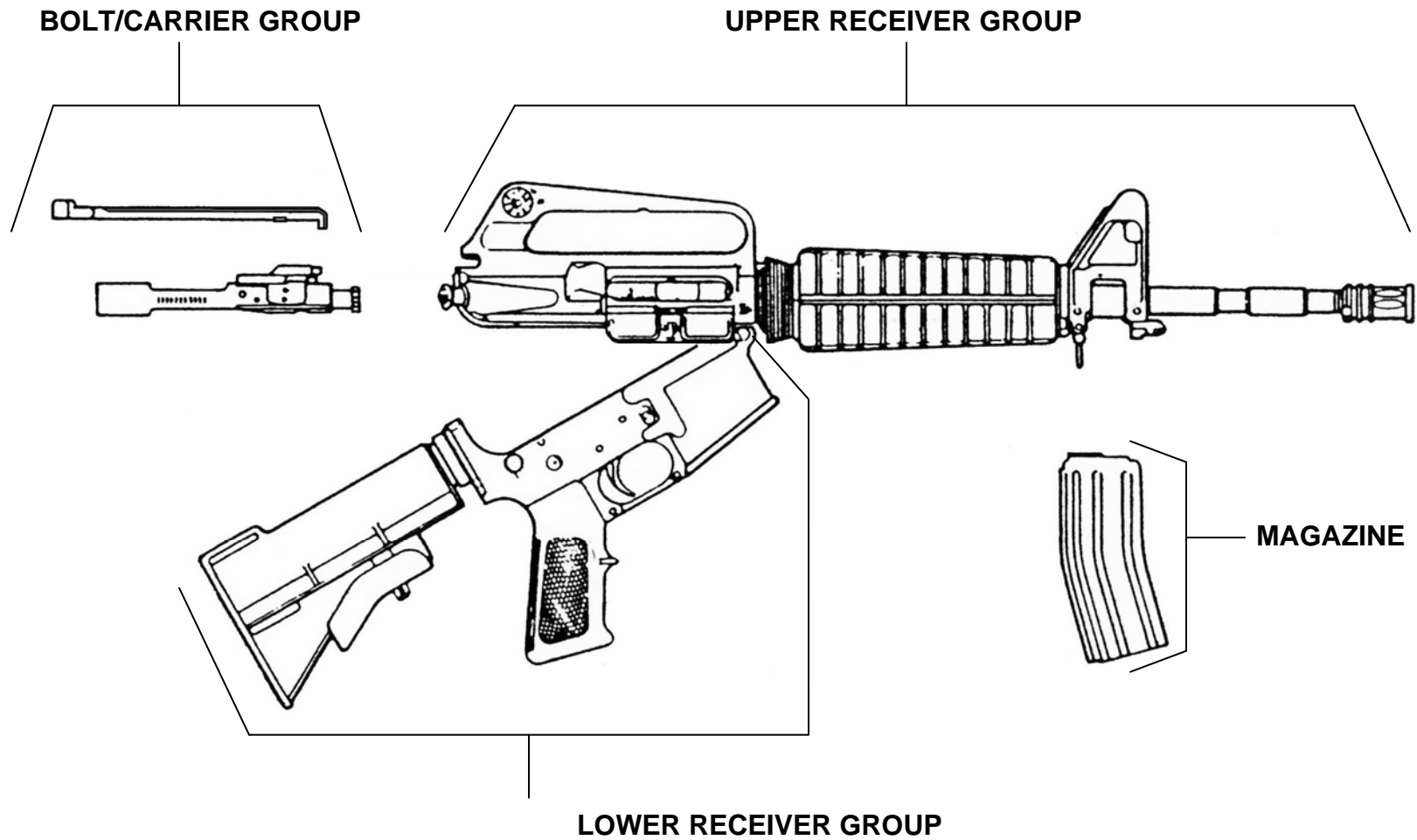
Continue with Nos. 10-12 if this is a Pre-Duty Check:

- 10) **Front/Rear Sight Check:** Inspect front and rear sights - *they must be present and in good condition.*
- 11) **Accessories Check:** Inspect accessories such as tactical light, tactical sling, etc. - *they must be in working order.* Tactical sling - *check to insure proper sizing adjustment for the officer.*
- 12) **Duty Carry Condition:** Safety to "safe" position, action open, magazine tube and chamber EMPTY.
Next, close the action, fully load the magazine tube and "Side Saddle" and secure in vehicle gun lock.

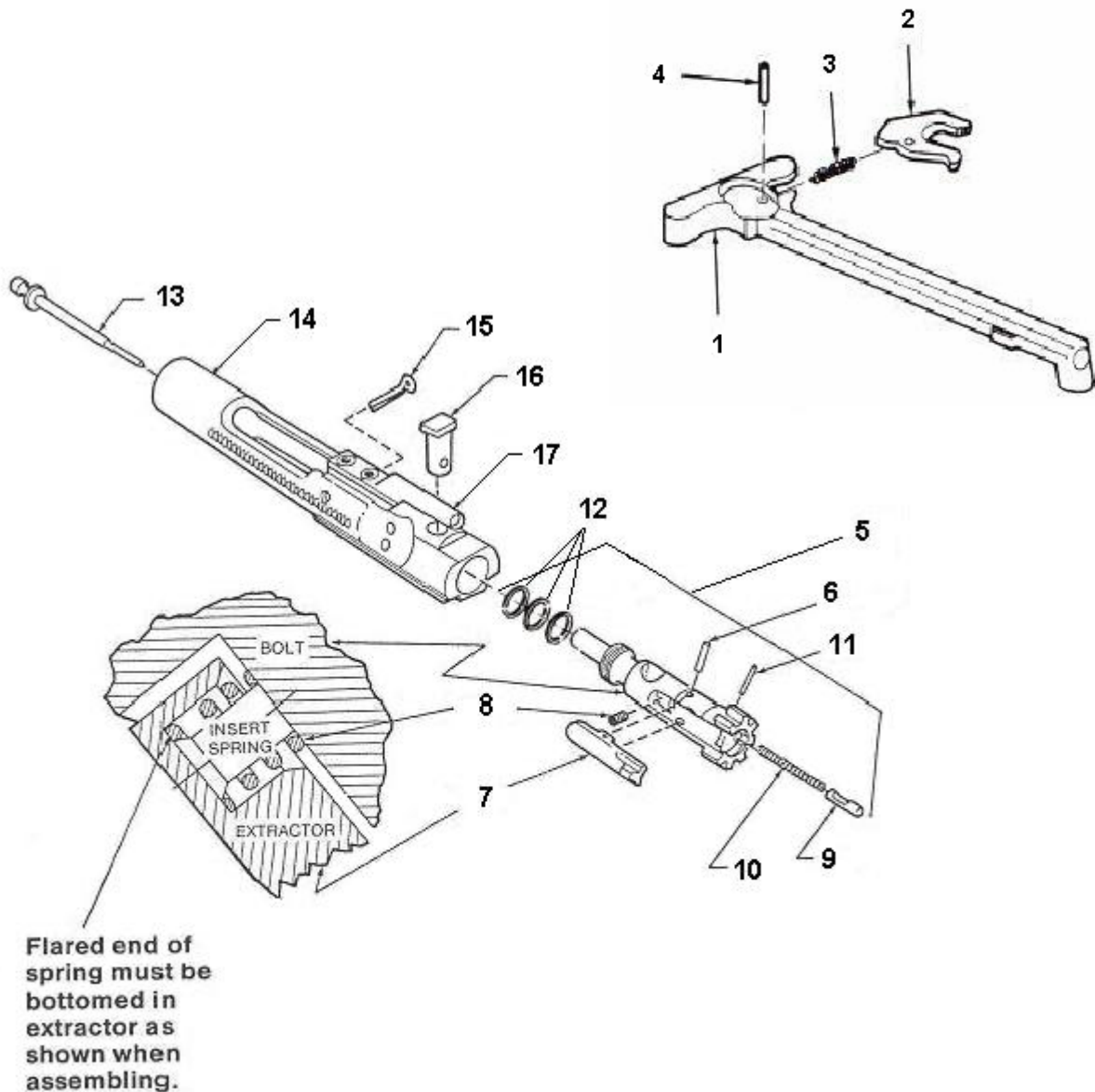
AR-15 NOMENCLATURE



AR-15 MAJOR ASSEMBLY GROUPS



BOLT and BOLT CARRIER GROUP



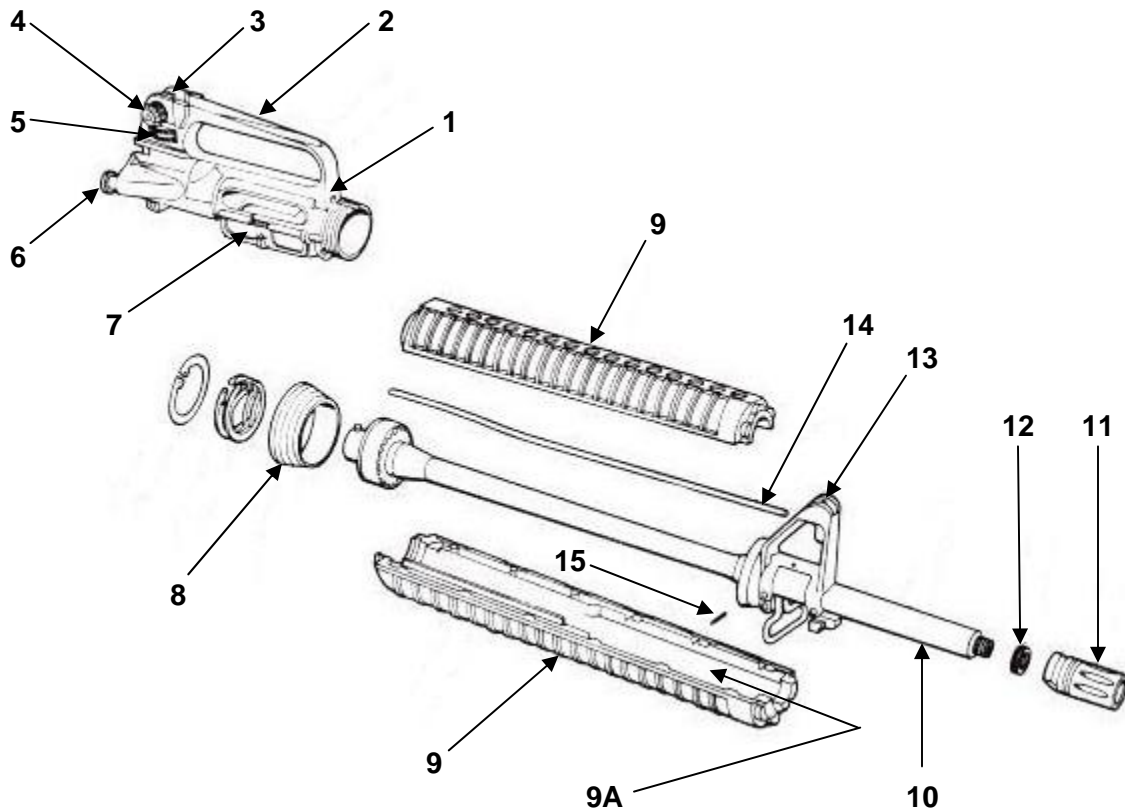
CHARGING HANDLE ASSEMBLY

- 1 – Charging Handle (body)
- 2 – Charging Handle Latch
- 3 – Charging Handle Latch Spring
- 4 – Charging Handle Roll Pin Pin

BOLT and BOLT CARRIER ASSEMBLIES

- 5 – Bolt Assembly
- 6 – Extractor Pin
- 7 – Extractor
- 8 – Extractor Spring/Insert
- 9 – Ejector
- 10 – Ejector Spring
- 11 – Ejector Roll Pin
- 12 – Bolt (Gas) Rings (3)
- 13 – Firing Pin
- 14 – Bolt Carrier Assembly
- 15 – Firing Pin Retaining
- 16 – Cam Pin
- 17 – Bolt Carrier Key or Gas Key

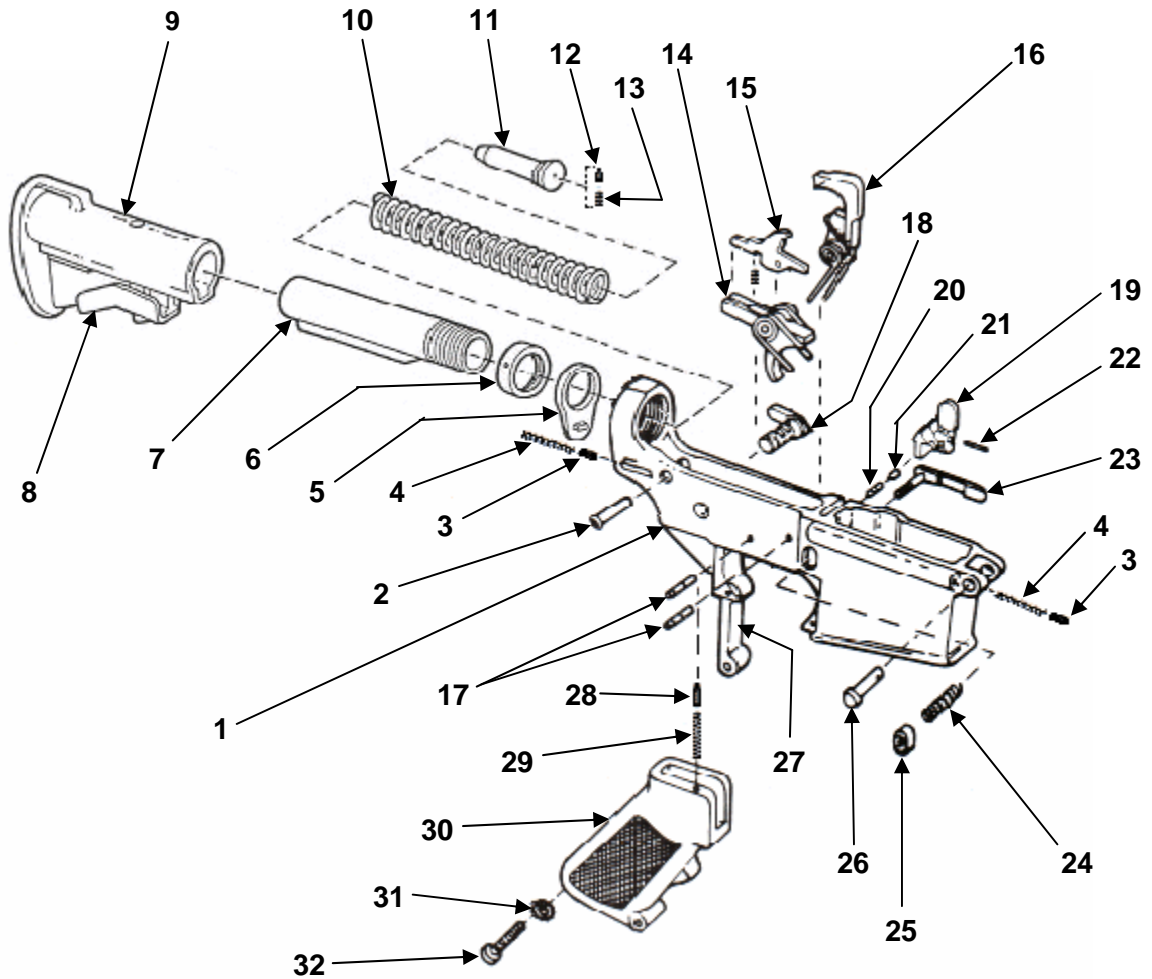
UPPER RECEIVER GROUP



- 1 – Upper Receiver Assembly
- 2 – Carrying Handle
- 3 – Rear Sight
- 4 – Windage Knob
- 5 – Elevation Knob
- 6 – Forward Assist
- 7 – Ejection Port Cover or Dust Cover
- 8 – Handguard Slip Ring

- 9 – Handguard Assembly
- 9A – Handguard Heat Shields
- 10 – Barrel
- 11 – Compensator
- 12 – Peel Washer
- 13 – Front Sight
- 14 – Gas Tube
- 15 – Gas Tube Roll Pin

LOWER RECEIVER GROUP



- 1 – Lower Receiver
- 2 – Take Down Pin
- 3 – Take Down Pin Detent
- 4 – Take Down Pin Detent Spring
- 5 – Receiver End Plate
- 6 – Receiver Extension Nut
- 7 – Receiver Extension
- 8 – Release Lever
- 9 – Sliding Buttstock
- 10 – Action Spring
- 11 – Buffer Assembly

- 12 – Buffer Retainer
- 13 – Buffer Retainer Spring
- 14 – Trigger/Spring
- 15 – Disconnect/Spring
- 16 – Hammer Assembly/Spring
- 17 – Hammer/Trigger Pins
- 18 – Selector Lever
- 19 – Bolt Catch
- 20 – Bolt Catch Spring
- 21 – Bolt Catch Plunger
- 22 – Bolt Catch Roll Pin

- 23 – Magazine Catch
- 24 – Magazine Catch Spring
- 25 – Magazine Release Button
- 26 – Receiver Pivot Pin
- 27 – Trigger Guard Assembly
- 28 – Selector Lever Detent
- 29 – Selector Lvr. Detent Spring
- 30 – Pistol Grip
- 31 – Pistol Grip Lock Washer
- 32 – Pistol Grip Screw

DPR AR-15 RIFLE FUNCTION TEST:

(Note: to be performed after each cleaning and/or disassembly – rifle must pass all checks)

- 1) **Rifle is in a SAFE Condition:** Selector on "SAFE", magazine removed, bolt locked open – check the chamber to be sure it is **EMPTY**. Double check that the Rifle is **UNLOADED!**
All magazines are available and empty. No live ammunition is nearby.
Check the overall appearance of the rifle.
- 2) **Bore Check:** Selector on "SAFE", close the bolt, push out the takedown pin, hinge-open the upper and lower receivers, remove the bolt/carrier group and look down the bore – *the bore must be clear of obstructions*. Re-install the bolt/carrier group, close up the receivers and re-install the takedown pin. Lock the bolt open.
Alternate Method: Lock the bolt open and run a "Bore Snake" or cleaning rod with a patch down the bore to insure the bore is clear of obstructions.
- 3) **Selector (Safety) Check:** Selector on "SAFE", pull the charging handle to the rear and release to close the bolt. Now, pull the trigger – *the hammer must not fall*.
- 4) **Semi-Auto/Disconnecter Check:** Move the selector to "SEMI". Pull the trigger to the rear – *the hammer must fall*. Continue holding the trigger to the rear. Pull charging handle to the rear and release while holding the trigger to the rear (*the hammer must not fall – it is being held by the disconnecter*). Next, release the trigger and listen for the "thunk" – (hammer is released from the disconnecter and transferred to the trigger/hammer engagement surface (*hammer still must not fall*)). Now, pull the trigger to the rear - *now the hammer must fall*.
- 5) **Forward Assist Check:** Selector on "SEMI" and bolt closed. Pull the charging handle about 1 inch to the rear and then slowly ease the charging handle forward, keeping the bolt from going all the way forward and locking. Now depress the forward assist a couple of times- *the bolt must be moved forward and lock into battery position*.
- 6) **Magazines Lock/Release (check all magazines):** Selector on "SEMI" and bolt closed. Insert an empty magazine into the magazine well – *the magazine must lock securely and it must drop free when the magazine catch is depressed*. Next, lock the bolt open and insert a magazine – *the magazine must lock securely and must drop free when released with bolt locked open*. Repeat these checks with all magazines.
- 7) **Bolt Catch Checks:** Selector on "SEMI" and bolt closed. Insert an empty magazine. Pull the charging handle fully to the rear and push forward until the handle latches – *the bolt must stay to the rear*. **Release Checks:** with the bolt locked open, depress the bolt catch - *bolt must release and move forward, unassisted, to fully-closed/battery position*. Now, re-lock the bolt to the rear again, latch the charging handle and release the magazine. Next, pull the charging handle fully to the rear and release – *the bolt must release, move forward and fully close*.
- 8) **Rifle in a SAFE Condition:** Selector on "SAFE", magazine removed, bolt locked open and chamber EMPTY. The Function Test is complete.

Continue with Nos. 9-11 if this is a Pre-Duty Check:

- 9) **Front/Rear Sight Check:** Inspect the front and rear sights - *they must be in working order and have not been moved from their "zeroed" positions*.
- 10) **Accessories Check:** Inspect all accessories such as magazine pouches, optics, tactical light, tactical sling, etc. - *they must all be present, properly installed, clean and in working order*.
Tactical sling - *check to insure proper sizing adjustment for the officer that will be carrying the rifle*.
- 11) **Duty Carry Condition:**
 - 1) Rifle is in a safe condition - set selector on "Safe", magazine removed, bolt locked open and check the chamber to be sure it is **EMPTY**.
 - 2) Load all magazines with DPR "duty" ammo- downloaded by 2 from maximum capacity.
 - 3) Close the bolt, close the dust cover, insert an 18 or 28 round loaded magazine into the magazine well and ensure that it is properly seated, and secure the patrol rifle in the vehicle gun lock.

FIREARMS INSPECTOR TRAINING PROGRAM – LONG GUNS

36 HOURS

PROGRAM OUTLINE - HOURLY BREAKDOWN

| | |
|---|-----------|
| <u>PROGRAM ADMINISTRATION</u> | 2 |
| Orientation..... | |
| Introduction | |
| Course Objectives..... | |
| DPR Authority, Policies and Armorer Geographic Coverage Areas | |
| Safety, Legal Aspects and Liabilities | |
| <u>RECORD KEEPING</u> | 2 |
| Shotgun Inspection Check List (DPR 824B)..... | |
| AR-15 Inspection Check List (DPR 824C)..... | |
| DPR 153D Weapon Repair History | |
| Yearly Inspection Reports | |
| Division of District Inspections..... | |
| <u>REMINGTON 870 SHOTGUN</u> | 7 |
| Parts Nomenclature and Function..... | |
| Basic Disassembly and Reassembly..... | |
| History, Design, Ballistics and Cycle of Operation | |
| Shotgun Inspection Methods and Techniques Using the DPR 824B | |
| Shotgun Cleaning, Lubrication and Maintenance | |
| <u>COLT AR-15</u> | 7 |
| Parts Nomenclature and Function..... | |
| Basic Disassembly and Reassembly..... | |
| History, Design, Ballistics and Cycle of Operation | |
| AR-15 Inspection Methods and Techniques Using the DPR 824C | |
| AR-15 Cleaning, Lubrication and Maintenance | |
| <u>PARTICIPANT INSPECTIONS – PRACTICAL APPLICATION</u> | 12 |
| Shotgun Disassembly, Reassembly and Inspections | |
| AR-15 Disassembly, Reassembly and Inspections | |
| Post-Inspection Shotgun and AR-15 Test Firing | |
| <u>TROUBLESHOOTING AND PROBLEM SOLVING</u> | 3 |
| Discussion of Malfunctions, Prevention and Troubleshooting | |
| Discussion of Problems, Techniques and Responsibilities..... | |
| <u>REVIEW, EXAMS AND SUMMARY</u> | 3 |
| Final Exam and Review..... | |
| Summary of Program | |
| TOTAL HOURS | 36 |

FIREARMS INSPECTOR TRAINING PROGRAM
LONG GUNS (870 SHOTGUN AND AR-15)

ORIENTATION

Purpose: The participant will understand the policy limits, objectives of the program, and legal liabilities of Firearms Inspectors.

Performance Objectives: By the close of the session the participant will

1. Discuss the policy limits of State Park Firearms Inspectors.
2. List the program objectives.
3. Be introduced to the program instructors and identify Armorers responsible for your District.
4. Discuss the legal liabilities of a Firearms Inspector.

RECORD KEEPING

Purpose: To know the methods, forms, and personnel responsible for keeping records of Firearms Inspections.

Performance Objectives: By the close of the session the participant will

1. Demonstrate the use of DPR 824B, Shotgun Inspection Checklist and DPR 824C, Colt Patrol Rifle Inspection Checklist.
2. Demonstrate the use of DPR 153D, Weapon Repair History form.
3. Discuss annual inspection reports and division of inspection responsibility.

NOMENCLATURE, FUNCTION AND GLOSSARY OF TERMS

Purpose: To know the names of all parts of the Remington 870 shotgun and Colt AR-15 Patrol Rifle and understand how those parts function within these weapons.

Performance Objectives: By the close of the session the participant will

1. Study the weapons diagrams, parts lists and terminology list (prior to class).

2. Understand and describe the terms and functions of the various parts of the 870 shotgun and AR-15 rifle (during class).
3. Understand and discuss the cycle of operation of the 870 shotgun and the AR-15 rifle (during class).

REMINGTON 870 SHOTGUN AND COLT AR-15 RIFLE INSPECTIONS

Purpose: To know and understand the correct procedures to disassemble, clean, inspect, reassemble and function check both an 870 shotgun and an AR-15 rifle. The goal of these inspections are to ensure that State Park Peace Officers are carrying clean, reliable and safe shotguns and rifles on duty.

Performance Objectives: By the close of the session the participant will

1. Review, discuss and be able to demonstrate the correct steps and tools needed to disassemble and reassemble both an 870 shotgun and an AR-15 rifle.
2. Use proper tools and techniques to properly clean and lubricate the internal parts of the 870 shotgun and AR-15 rifle.
3. Review, discuss and understand the use of the DPR 824B, 870 Shotgun Inspection Checklist and the DPR 824C, Colt Patrol Rifle Inspection Checklist.
4. Review, discuss and demonstrate the correct use of tools and methods of testing needed to use the Inspection Checklists in order to test/function check a each weapon without firing it.
5. Manually inspect sample weapons using the appropriate Inspection Checklist to identify problems with one or more functions of the shotgun or the rifle.
6. Discuss and understand malfunction detection, causes and review sample malfunctioning parts.
7. Successfully test fire, with no malfunctions, a shotgun and a rifle after completing inspections on each, as a final check that the shotgun is functioning within Remington and DPR specifications and the rifle is functioning within Colt and DPR specifications.

MALFUNCTION PREVENTION AND APPLICATION

Purpose: To be able to correctly diagnose and identify malfunctions and their potential causes, in either the 870 shotgun or the AR-15 rifle, and be able to instruct field staff on malfunction prevention in either the 870 shotgun or the AR-15 rifle.

Performance Objectives: By the close of the session the participant will

1. Be able to list several common 870 shotgun malfunctions and identify which portion of the shotgun cycle of operation has failed.
2. Be able to list several common AR-15 rifle malfunctions and identify which portion of the AR-15 cycle of operation has failed.
3. Be able to explain the importance and potential causes and corrections for each of the malfunctions listed.
4. Practice hands-on detection of malfunctions and malfunction prevention/correction.

PROBLEM SOLVING

Purpose: To be able to identify internal problems of a poorly maintained 870 shotgun or AR-15 rifle and take or recommend corrective action.

Performance Objectives: By the close of the session the participant will

1. With instructor direction, identify typical internal problems found and practice corrective action by proper use of methods and tools.
2. Record, using proper terminology, the problem(s) found during inspection and the corrective measures taken to correct the problem(s).

EXPANDED COURSE OUTLINE

- I. PROGRAM ADMINISTRATION
 - A. Orientation - Course Registration
 - B. Introduction of Armorer/Instructors
 - C. Course Objectives
- II. DPR ARMORER/FIREARMS INSPECTOR PROGRAM
 - A. Overview
 - 1. Department Operations Manual (DOM) references.
 - 2. Goal: To maintain all DPR firearms at the highest level of reliability/serviceability.
 - 3. Accomplished by a coordinated system of preventive maintenance techniques, annual inspections, function tests, test firing and when necessary, repairs.
 - 4. Coordinated by factory-trained DPR authorized Armorers.
 - 5. Firearms Inspectors - DPR policy limits level of repair: perform annual inspections, test fires and replace authorized (non-fitted) parts - not authorized to "move" metal (no grinding, filing, stoning or polishing is allowed). Most repairs go to Armorers.
 - 6. DPR Armorers - also perform annual inspections, test fires and perform factory - authorized repairs, including installing fitted parts.
 - B. Geographic areas of responsibility (District coverage breakdown)
 - 1. Firearms Inspectors - responsible for weapon maintenance/repair in sector/district.
 - 2. Armorers - coordinate weapon maintenance/repair for several districts.
 - C. Legal Aspects and Liabilities:
 - 1. Law enforcement firearms are used to protect or possibly to take a life, therefore reliability and performance of the firearm are critical.
 - 2. Liability potential is high - stay within the scope of your training and program guidelines.
- III. PARTS, TOOLS, SUPPLIES and SAFETY
 - A. Distribute parts, tools and supplies to students
 - B. Classroom Safety Rules
 - 1. No loaded weapons of any kind or live ammunition in the classroom.
 - 2. Only weapons checked by an instructor are allowed in the classroom.
 - 3. Assembled weapons will be "benched" with the bolt or slide locked open and the ejection port facing up and visible.
 - 4. Dry firing and function tests will only be done at the direction of an instructor.

EXPANDED COURSE OUTLINE (continued)

- C. Distribute weapons to be examined to students.
- IV. REMINGTON 870 SHOTGUN NOMENCLATURE, DISASSEMBLY AND REASSEMBLY
 - A. Remington 870 nomenclature, functions and shotgun sub-assemblies
 - B. Shotgun field-strip/sub-assemblies demonstration, student application and practice.
 - C. Shotgun disassembly demonstration, student application and practice.
 - D. Shotgun reassembly demonstration, student application and practice.
 - E. Shotgun Parts/Nomenclature Quiz
- V. REMINGTON 870 DESIGN, CYCLE OF OPERATION AND BALLISTICS
 - A. 870 design, history and operation
 - 1. History of the 870 - value, design advances, application to law enforcement, civilian use and military use.
 - 2. Design – design features and compare to other shotgun design and operation
 - 3. Operation – basic component breakdown and function
 - B. Cycle of operation- Feed, Chamber, Lock, Fire, Unlock, Extract, Eject and Cock
 - 1. Describe and demonstrate each component and relation to other components
 - C. Ammunition ballistics
 - 1. Describe basic law enforcement rounds and their internal ballistics
 - 2. Describe external ballistics
- VI. REMINGTON 870 INSPECTION METHODS AND TECHNIQUES
 - A. Discuss overall inspection recordkeeping system including; tracking of inspections; use of Weapons Log Sheet; use of DPR 824B- Remington 870 Shotgun Inspection Checklist, use of DPR 153D- Weapon Repair History and annual inspection reports.
 - B. Shipping weapons for repairs - UPS now requires 2 separate packages; 1 for barrel, fore end/action bars and bolt and 1 for receiver and butt stock.
 - C. Demonstrate and discuss procedures, techniques, rationale and proper use of tools for performing an inspection on an 870 shotgun, utilizing the DPR 824B- Remington 870 Shotgun Inspection Checklist form.
 - D. Supervised student application of 870 shotgun inspection using the DPR 824B.
- VII. REMINGTON 870 CLEANING, LUBRICATION AND MAINTENANCE
 - A. Demonstrate and discuss proper procedures, techniques and rationale for cleaning, lubrication and maintenance of the Remington 870 shotgun.
 - B. Supervised student application of proper cleaning, lubrication and maintenance of the 870 shotgun.

EXPANDED COURSE OUTLINE (continued)

- VIII. REMINGTON 870 MALFUNCTIONS, PREVENTION AND TROUBLESHOOTING
 - A. Potential shotgun malfunctions or problems that may occur - identifying causes.
 - B. Methods and techniques to prevent or eliminate specific shotgun malfunctions.
 - C. Troubleshooting problems
 - 1. Accurate description of the malfunction, replicate the problem.
 - 2. Diagnose which cycle of operation function is failing - feed, fire, extract, etc.
 - 3. Try to isolate the condition.
- IX. COLT AR-15 NOMENCLATURE, DISASSEMBLY AND REASSEMBLY
 - A. Colt AR-15 nomenclature, functions and rifle sub-assemblies.
 - B. AR-15 field-strip/sub-assemblies demonstration, student application and practice.
 - C. AR-15 disassembly demonstration, student application and practice.
 - D. AR-15 reassembly demonstration, student application and practice.
 - E. AR-15 Parts/Nomenclature Quiz
- X. COLT AR-15 DESIGN, CYCLE OF OPERATION AND BALLISTICS
 - A. AR-15 design, history and operation
 - 1. Designer - Eugene Stoner; Armalite Corp.; aircraft engineer background.
 - 2. History - changes from first Air Force deployment to Viet Nam to present.
 - 3. Operation - air-cooled, locking breech, direct gas type; parts involved.
 - B. Cycle of operation- Fire, Unlock, Extract, Eject, Cock, Feed, Chamber and Lock
 - C. Ammunition ballistics
 - 1. Internal ballistics
 - 2. External ballistics
 - 3. Pressures - handgun vs. rifle; importance of locking bolt and proper reassembly after cleaning or field-stripping
- XI. COLT AR-15 INSPECTION METHODS AND TECHNIQUES
 - A. Discuss overall inspection recordkeeping system including; tracking of inspections; use of Weapons Log Sheet; use of DPR 824C- Colt Patrol Rifle Inspection Checklist, use of DPR 153D- Weapon Repair History and annual inspection reports.
 - B. Shipping weapons for repairs - UPS now requires 2 separate packages; 1 for the upper receiver and 1 for the lower receiver.
 - C. Demonstrate and discuss procedures, techniques, rationale and proper use of tools for performing an inspection on a COLT AR-15, utilizing the DPR 824C- Colt Patrol Rifle Inspection Checklist form.
 - D. Supervised student application of AR-15 inspection using the DPR 824C.

EXPANDED COURSE OUTLINE (continued)

- XII. AR-15 CLEANING, LUBRICATION AND MAINTENANCE
 - A. Demonstrate and discuss proper procedures, techniques and rationale for cleaning, lubrication and maintenance of the COLT AR-15 Patrol Rifle.
 - B. Supervised student application of proper cleaning, lubrication and maintenance of the AR-15 rifle.
- XIII. RIFLE MALFUNCTIONS, PREVENTION AND TROUBLESHOOTING
 - A. Potential rifle malfunctions or problems that may occur - identifying causes.
 - B. Methods and techniques to prevent or eliminate specific rifle malfunctions.
 - C. Troubleshooting problems
 - 1. Accurate description of the malfunction, replicate the problem.
 - 2. Diagnose which cycle of operation function is failing - feed, fire, extract, etc.
 - 3. Try to isolate the condition.
- XIV. REVIEW, COMMENTS AND QUESTIONS
- XV. 870 SHOTGUN AND AR-15 PRACTICAL EXAM
- XVI. TEST FIRE ALL WEAPONS AND WEAPON CLEANING
- XVII. FINAL WRITTEN EXAM
- XVIII. POST-TRAINING ASSIGNMENTS, SUMMARY AND CLOSURE

location map for
WILLIAM PENN MOTT JR. TRAINING CENTER
837 ASILOMAR BLVD.
PACIFIC GROVE, CALIFORNIA 93950

