

## **Parts and Repair New Hire Training**

### **Outline**

This outline is based on 3 hours of classroom time per day.

#### Day One

##### Parts Price List

- Explanation of restriction codes
- Explanation of abbreviations
- Part numbers / view numbers

##### Pricing / Discounts / Terms

- Setting up an account
- Explanation of discount policy
  - Who is eligible
  - Requirements

##### Pricing

- MSP, Dealer, List – when to/not to discount
- Which parts are and are not eligible
- Police / Government orders
- International parts orders
- Obsolete parts
- Parts list updates

#### Day Two

##### **(Option #1)**

##### Half day of shooting

##### Safety Lesson

- KEEP THE MUZZLE POINTED IN A SAFE DIRECTION**
- Operation of safety switches on each type of action
- Actions open, safeties on
- Do not handle guns unless you are shooting
- Eye and ear protection

##### Muzzleloader (optional)

- Rimfire
- Centerfire
- Shotgun

## **(Option #2)**

Explanation of individual firearms begins

### **RIMFIRE**

Model 597

First product from the Mayfield, KY plant

Designed to be inexpensive, durable, accurate

Review of rimfire ammunition

Cycle of operation

Disassembly and explanation of parts

Stock assembly

Barreled action

Barrel assembly

Receiver assembly

Bolt assembly

Trigger housing assembly

ISS

Restricted parts / repairs

Re-assembly

Possible malfunctions

Time line

Care and cleaning

Available calibers and models

Model 552 / 572.

History

Cycle of operation

Explanation of parts (no disassembly)

Stock and fore end

Barrel assembly

Receiver assembly

Common fire control

Care and Cleaning

Restricted parts / repairs

Possible malfunctions

When shooting from a bench, do not rest fore-end on bags,  
this can cause accuracy problems b/c of the receiver  
to bbl fit

Day Three

Model 504

History  
Cycle of operation  
Explanation of parts  
Disassemble  
    Stock Assembly  
    Barreled action  
        Barrel  
        Action  
        Bolt assembly  
        Trigger assembly  
Re-assemble  
Restricted parts / repairs  
Care and cleaning  
Possible malfunctions

Day Four

Model 700

Brief history  
    Intro in 1962  
    Based on the Model 40-X  
    Most accurate out-of-box rifle  
    Etc.  
Review of centerfire ammunition  
Cycle of operation  
Disassembly  
    Stock assembly  
        Wood vs synthetic  
        Bedding  
        Pressure points  
    Barreled action  
    Barrel assembly  
        Crown, rifling, recoil lug, etc.  
    Action  
    Bolt assembly  
    Trigger / safety assembly  
Three Rings of Steel  
    What are they?  
    What is the significance?

(Model 700 continued)

Short action, Long action, short and long magnums  
ADL, BDL, detachable magazine

Custom Shop  
700 vs. 40-X

Restricted parts

Re-assembly

Possible malfunctions

Care and cleaning

Factory restricted repairs

ISS

Available models (current catalog)

EtronX

LE and Military

Day Five

Model 700 Muzzleloader

Brief history

Black powder vs. smokeless powder

In-Line vs. Sidelock vs. Flintlock

Cycle of operation

Disassembly

Stock assembly

Barreled action

Model 700 SA action

Breech plug, nipple (3-way ignition)

Model 700 trigger assembly (all stainless)

Bolt assembly

Barrel assembly

Reassembly

Factory restricted parts

Possible malfunctions

Care and cleaning

Day Six

Model Seven and 673

(same outline as the Model 700)

Based on the Model 700, but physically shorter receiver

(Day Six cont.)

Model 710

Manufactured in Mayfield

Reasoning behind the 710

Encourage new shooters/hunters with entry level gun

Incorporate new technology and new manufacturing techniques

Cycle of operation

Bolt locks directly into barrel, etc.

Disassembly

Stock assembly

Mag. latch, recoil lug

Receiver insert

Insert supports

Trigger assembly

Trigger assembly support and screw

Barreled action

Barrel pressed into action

Locking lug cuts inside barrel

Three rings of steel

Restricted parts

Possible malfunctions

Care and cleaning

ISS

Day Seven

Model 7400

Brief history including 740, 742

Cycle of Operation

Gas and recoil operation

Disassembly

Stock and fore end

Receiver assembly

20 gauge shotgun receiver

Action bar assembly

Detachable magazine

Trigger assembly

Common fire control

Barrel assembly

Locking lugs in barrel

Barrel to receiver fit

Gas orifice hole

(Model 7400 cont.)

Reassembly

Fore end screw

Affects accuracy

Do not use swivel studs that screws in place of FE screw,  
use barrel band

Possible malfunctions

Jamming – what causes this?

Ammunition

“hot” or high energy light magnum loads

Military surplus

Dirty gun – chamber pitted from misuse

Shouldering

Care and cleaning

Model 7600

Brief history including 760

Cycle of operation

Similarities to 7400

Disassembly

Stock and fore end

Receiver assembly

20 gauge shotgun receiver

Action bar assembly

Detachable magazine

Trigger assembly

Common fire control

Barrel assembly

Locking lugs in barrel

Barrel to receiver fit

Reassembly

Possible malfunctions

Most reliable firearm we make

Very few repairs

Opens on firing – this is normal

Care and cleaning

No hot loads

Chamber

Day Eight

Model 870

Brief History

- First production line firearm
- Best selling firearm in history

Review of shotshell ammunition

Cycle of operation

Disassembly

Barrel assembly

- Interchangeability
- Parts bbls vs. RAMAC

Receiver assembly

- Solid steel
- Magazine tube
- Ejector

Action bar / fore end assembly

- Action tube assembly
- Fore end
- Slide

Bolt assembly

- Extractor
- Firing pin / return spring
- Locking block

Trigger assembly

- Common fire control

Stock assembly

Reassembly

- Stock, then action bar / bolt assemblies, then trigger assembly

Restricted parts

Possible malfunctions

Care and cleaning

Variations

- Wingmaster vs. SP vs. Express

- LE / Military

- Custom Shop

- Standard frame vs. LT 20 gauge

Day Nine

Model 1100

Brief History

First successful fully gas operated shotgun

Best selling auto-loading shotgun ever

Cycle of operation

Disassembly

Barrel assembly

Magnum vs. non-magnum

Gas cylinder

Gas orifice holes

Barrel extension

Stock and fore end

Receiver

Magazine tube

12 ga vs. 20/28/.410 mag spring retainer

Action bar / action bar sleeve assembly

Action bars

Operating handle detent / receiver buffer

Fore end support

Action bar sleeve

Link

Bolt assembly

Extractor

Firing pin / retracting spring

Locking block

Receiver assembly

Solid steel

Interceptor latch / feed latch

Receiver rails

Action spring tube assembly

Reassembly

Possible malfunctions

Restricted parts

Ammunition requirements

Care and cleaning

Available models

Day Ten

Model 11-87  
(same outline as the 1100)

Gas compensation  
1100 vs 11-87  
Possible malfunctions  
Available models  
Law enforcement

Remington Over / Unders  
32 and 3200  
320 and 396  
300 and 332

Review of last 10 days