

PARTS AND REPAIR TRAINING OUTLINE

This outline is based on 3 classroom hours per day.

Day One

Shooting

Day Two

Clean Firearms

Day Three

Classroom Training Begins

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

Prices- MSP, Dealer, List – when to/not to discount

Police/ Gov't. Orders

International Orders

Price List Updates

Obsolete Firearm Parts

What we do and do not have

Day Four

Explanation of Individual Firearms Begins

Model 597

1997 to Present

First firearm manufactured in Mayfield, KY plant

Designed to be inexpensive, yet very durable, accurate, reliable

Review of rimfire ammunition

Cycle of Operation

Disassembly

Explanation of individual parts

Bolt assembly

Receiver assembly

Barrel

Trigger assembly

ISS

Stock

Sights

Restricted parts
Re-assembly
Possible malfunctions – what to do
Care and Cleaning
Repairs – where to take/send
Available models
Model 552/572
1957 to Present
Very few calls – brief review
Brief history
Cycle of operation/ parts explanation
Repairs – where to take/ send
What repairs are RARC/ factory restricted
ISS

Day Five

Model 700
Brief History – intro in 1962, most accurate out-of-box rifle, etc.
Review of Centerfire Ammunition
Cycle of Operation
Three Rings of Steel
What are they?
What is the significance?
Disassembly
Explanation of Individual Parts
Belt assembly
Receiver
Barrel (including the chamber, bore, crown, rifling, etc.)
Trigger Assembly/ Safety
Stock (wood vs. synthetic, free-floating, bedding)
Sights
Short Action, Long Action, Long Action Magnum
ADL, BDL, Detachable Magazine
Law Enforcement
Custom Shop (700, 40-X)
Restricted Parts
Re-assembly
Possible Malfunctions- what to do
Care and Cleaning
Repairs- where to take/ send
What repairs are RARC/ factory restricted
ISS
Available Models (Sendero, Varmint, Mountain)

Model 700 Etronn
Cycle of Operation
Electronic ignition vs. mechanical trigger
Model 700 Muzzleloader
In-line muzzleloader
Review of Blackpowder/ Pyrodex
Disassembly
Explanation of Individual Parts
Barrel
Receiver
Breech Plug/ Nipple
Trigger/ Safety Assembly
Ramrod
Stock
Restricted Parts
Re-assembly
Accessories
Possible malfunctions- what to do
Care and Cleaning
Repairs- where to take/ send

Model Seven
Similarities/ Differences to Model 700
Short Action Only
Cycle of Operation
Disassembly
Explanation of Individual Parts
(same as 700)
Custom Shop
Restricted Parts
Re-assembly
Care and Cleaning
Repairs- where to take/ send
ISS

Day Six

Model 710:
Introduced in 2001
Manufactured in Mayfield, KY.
Reason behind building the 710
Encourage new shooters/hunters with less expensive beginners
firearm.
Incorporate new technology and new manufacturing techniques
Cycle of Operation
Bolt locks into barrel instead of receiver- advantages

“Feel” of bolt operation on 710 vs. 700
Disassembly
Explanation of Individual Parts
Bolt Assembly
 Three lugs instead of two
 Disassembly
 ISS
Receiver
 Synthetic receiver insert- why?
Trigger Assembly/ Safety
 Part of the receiver insert
Barrel (chamber, bore, rifling, etc.)
 Pressed in, not screwed in
Stock Assembly
 Scope (for combo models)
Restricted Parts
Re-assembly
Update
 First 2900 firearms (approximate)
 What was/is it?
Possible malfunctions
Care and Cleaning
Repairs- where to take/send
 Paducah Shooters Supply
 No repairs in Ilion
Model 7400
 Brief History- 1980 to Present
 Model 740, 742
 Cycle of Operation
 Gas and recoil operated
Disassembly
Explanation of Individual Parts
 Bolt assembly
 Barrel assembly
 Receiver assembly
 How bolt, barrel, receiver are connected
 Action tube/ bar assemblies
 Trigger assembly/ safety
 Common fire control
 Stock Assemblies (butt stock, fore-end)
Restricted Parts
Possible Malfunctions
 What causes “jamming”?
 Shouldering the firearm
 Importance of cleaning the chamber

Ammunition Requirements
No "hot loads", light magnums, military ammo
Repairs- where to take/ send
Model 7600
Brief History- 1980 to Present
Model 760- 1952 to 1980
Cycle of Operation
Disassembly
Explanation of Parts
Receiver assembly
Bolt assembly
Barrel assembly
How receiver, bolt, barrel are connected
Action tube/bar assemblies
Trigger assembly/ safety/ common fire control
ISS
Stock assemblies (butt stock, fore-end)
Restricted Parts
Re-assembly
Possible Malfunctions
Care and Cleaning
Ammunition (no "hot loads", light magnums, military ammo)
Repairs- where to take/ send

Day Seven

Model 870
Brief History- 1950 to present
First firearm made in "assembly line" fashion
First to use common and "stamped out" parts
Best selling firearms in history
Review of Shotgun Ammunition
Cycle of Operation
Disassembly
Explanation of Individual Parts
Barrels
Ramac vs. P&R barrels
What we do/do not sell
Types of barrels (deer, turkey, etc.)
Receiver assembly
Magazine assembly
Trigger assembly
Common fire control
ISS
Bolt assembly
Stock and fore-end

Action tube assembly
Synthetic vs. wooden but stock-
Short/long stock bolt; stock bearing plate
Camo finishes
Different available stocks
Restricted Parts
Re-assembly
Different Models Available
Wingmaster vs. Express
Special Purpose
Super Magnum
Law Enforcement
Custom Shop
Possible Malfunctions- what to do
Care and Cleaning
Repairs- where to take/ send
What repairs are RARC/ factory restricted

Day Eight

Model 1100

Brief History- 1961 to Present
First production gas operated, auto-loading shotgun
Cycle of Operation
How the gas operating system works
8 lbs of pressure to cycle action
Disassembly
Explanation of Individual Parts
Barrel
Gas cylinder, extension, etc.
Magnum vs. non-magnum- what we currently offer
Receiver assembly
Magazine tube, shell latch, action tube, etc.
Trigger assembly
Common fire control
ISS
Bolt assembly
Action bar/ sleeve assembly
Stock and fore-end
Synthetic vs. wooden
Restricted Parts
Reassembly
Different Models Available
Youth
Trap
Sporting

Custom Shop
Model 1100 LW/Standard 20 gauge vs. Model 1100 LT
Possible Malfunctions
Care and Cleaning
No oil on mag tube, etc.
Repairs- where to take/ send
What repairs are RARC/ factory restricted

Day Nine

Model 11-87

Brief History- 1987 to Present
Reason for the Model 11-87
Cycle any 2-3/4" or 3" load
How the Pressure Compensating System Works
Model 11-87 Premier and Super Mag only
Gas Cylinder
Gas Cylinder Spring
Gas Cylinder Collar
8 lbs of pressure to cycle action
Cycle of Operation
Disassembly
Explanation of Individual Parts
Barrel assembly
Pressure comp vs. non-pressure comp.
Ramac vs. P&R barrels
Light contour vs. Standard contour
Receiver assembly
Magazine tube, action tube, etc.
Bolt assembly
Trigger assembly
Common fire control
ISS
Stock and fore-end
Light and Standard contour fore-ends
Special price
Different stocks and finishes
Re-assembly
Reassembly
Different Models Available
Premier vs. Special Purpose
Super Magnum
Police
Possible Malfunctions
Care and Cleaning

No oil on mag tube, etc.
Repairs- where to take/ send
What repairs are RARC/ factory restricted

Day Ten

Model SP-10

Brief History- 1989 to Present

Based on the Ithaca Mag-10

Mag-10 and SP-10 parts are not interchangeable

Cycle of Operation

Disassembly (optional)

Explanation of Individual Parts

Barrel

Receiver

Stock and fore-end

Wood vs. synthetic

Changed to synthetic on camo versions in 2000

Possible Malfunctions

Fore-end cap swivel stud

Magazine follower assembly

Restricted Parts

Care and Cleaning

Different Models Available

Repairs- where to take/ send

Break Action Shotguns

Model 300

Model 320/ 396

Model 3200

Model 90-T

Brief explanation of how a break action works

Repairs- where to take/ send

Day Eleven (Optional)

Review of Last 10 Days

Have students bring any specific questions they still have

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T.A.P.

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