

**MODEL**  
**37**  
**OWNERS MANUAL**

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## PREFACE:

The following information is intended to provide you with knowledge that will allow for the safe operation, proper care and maintenance of your new Ithaca Gun firearm.

Ithaca encourages all individuals to use extreme caution when handling any firearm. Treat the gun as if it is loaded at all times. Always practice safe shooting habits and remember that safe operation of any firearm depends entirely on your actions.

Congratulations on purchasing your very own Ithaca Gun, Americas most reliable firearm.

## HISTORY:

With more than 125 years of history behind this trademark, we still produce firearms to exact standards that made this gun a preferred choice of the American sportsman. Ithaca Guns are still crafted and assembled in the United States by American workers with emphasis on high quality, reliability and safety.

## FEATURES:

3" Chamber

Briley Choke Tubes (Full, Modified, Improved)

Bottom Ejection and Loading

Machined Steel Receiver  
(Except for the Aluminum Ultralight)

Steel Trigger Housing

Lengthened Forcing Cones to Reduce Recoil and  
Shot Deformation

5 Shot Capacity (4+1) with Follower and Duck Plug

Crisp 4-6 Lb. Trigger Pull

## CARE AND MAINTENANCE:

### ATTENTION!

Your new Model 37 has been treated at the factory with protective oils. General cleaning should be done before and after every use to maintain its functionality and appearance. Please follow the instructions to ensure the safe operation of your new firearm.

Readers should be aware that this manual is a guide to care and maintenance of a Model 37. With the use of illustrations you will be guided through the disassembly as far as needed to clean and care for the firearm.

### Tools Needed for Cleaning;

- Small flathead screw driver
- Soft cloth and cleaning solution
- Quality firearm cleaning kit with cleaning patches and rod.

**Note:** When cleaning, your firearm be sure not to lose or damage any parts.

Owners of the Ithaca Model 37, DSII, DSIII, Home Defense and Turkeyslayer with fixed barrels must be aware that the barrel is not intended to be removed.

## CARE AND MAINTENANCE:

All new Model 37's will accept 2 3/4 or 3 shells.  
The ONLY exception to this is in 16 and 28 gauge:  
chambered 2 3/4" Only.

### Cleaning Instructions:

1- Keeping the barrel pointed in a safe direction with the safety on, press back on the action release and pull the forend back to open the action (Figure 1).

Check to make sure the gun is unloaded by looking and feeling in the chamber and magazine tube (Figure 2 and 3).

The only disassembly required for general cleaning is to remove the barrel and the choke tube.

## CARE AND MAINTENANCE:



Figure 1



Figure 2



Figure 3

## CARE AND MAINTENANCE:

### Cleaning Instructions Continued:

2- With the firearm held upright, turn the magazine nut clockwise until its snug against the magazine tube yoke (Figure 4).

3- Next turn the barrel a 1/4 turn (Figure 5) and pull it straight out away from the receiver (Figure 6).  
[Note: This will be all you need to disassemble the firearm for general cleaning].

4- Assemble your cleaning rod and place the correct attachment on the tip, place a cleaning patch on the end of the rod tip that is saturated in cleaning solvent.

5- Start the rod into the firearm by feeding it slowly into the breech end about 3-4 inches. Now grasp the handle and push the rod in, through the bore and out the muzzle using only necessary force. Do not force a rod that is overly tight in the bore.

6- Repeat step five with another saturated patch, working the rod the entire length of the bore in both directions. Do not switch direction in the middle of the bore.

## CARE AND MAINTENANCE:

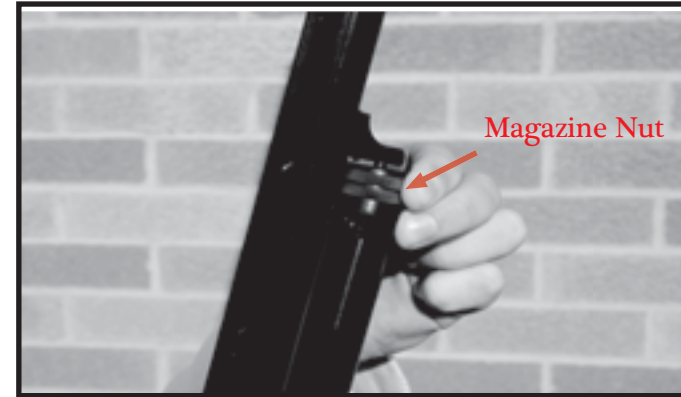


Figure 4



Figure 5



Figure 6

## CARE AND MAINTENANCE:

### Cleaning Instructions Continued:

7- Replace with a dry patch on the cleaning rod and swab until the barrel is dry. Repeat steps 6 and 7 until the dry patch comes out clean.

8- Examine the bore, if no dark spots are seen, saturate a patch with lubricating oil and push it slowly through the bore. This lubrication will prevent the barrel from rusting. If dark spots are seen repeat steps 5, 6 and 7.

9- A bristle brush on the end of a cleaning rod is helpful to clean when removing hard deposits. Repeat this until stubborn deposits are removed.  
Then repeat steps 5, 6, 7 and 8.

## CARE AND MAINTENANCE:

### General Cleaning Tips:

Wipe down wood stocks and forends with linseed oil, this will help protect the wood on your gun. This does not apply to camo coated guns, forends or synthetic stocks.

Putting a light coat of oil to all external metal parts will prevent and protect against rust.

Use a soft cloth and cleaning solvent to wipe down the inside of the chamber.

Use a soft bristle brush to scrub threads of the barrel and internal threads of the receiver.

\*Cleaning and maintenance should be done with caution. Any further internal problems should be done by a qualified gunsmith. Call our Ithaca Service Department at (419) 294- 4113, or contact a local gunsmith in your area.

## SAFETY:

**WARNING! Any firearm has the ability to cause fatal injuries to yourself or others around you.**

**Practice Safe Firearm Habits at all times.**

**SAFETY IS YOUR RESPONSIBILITY**

Safety rules are very important for the protection of you and other. Firearms are dangerous if handled inappropriately causing serious damage to property, serious injury or death.

- 1- Always treat a firearm as it is loaded
- 2- Never point a firearms at anyone or in the direction of others; keep the muzzle pointed in a safe direction at all times.
- 3- Never receive or hand a firearm to anyone without the action being opened.
- 4- When loading and unloading a firearm, be sure the safety is on!, and keep your fingers away from the trigger.
- 5- Become familiar with the firearm you are using prior to loading it with ammunition
- 6- Make sure the barrel is free from obstruction prior to loading the firearm.

## SAFETY:

- 7- Always be sure of your target and what's beyond it before shooting.
- 8- Keep your finger off the trigger until your sights are on the target.
- 9- Wear proper hearing and eye protection when shooting your firearm.
- 10- Always store ammunition in a separate location from firearms.
- 11- Keep firearms out of reach of children and untrained adults.
- 12- Never mix the use of alcoholic beverages with the handling or operation of any firearm.
- 13- When cleaning any firearm, do it in a well ventilated areas; free from open flames and wash hands thoroughly after exposure to cleaning solvents and oils.\*
- 14- Never handle or operate any firearm while taking medication unless your doctor approves it.
- 15- Prior to any maintenance of a firearm make sure that the chamber, carrier and magazine are completely empty of ammunition.

\*Make sure to follow user instructions on cleaners and solvents of your choosing. Some may require gloves therefore be sure to follow there guidelines.



LOADING:

**REMEMBER:** Whenever you handle your Model 37, Always treat it as if it were loaded. Always keep the barrel pointed in a safe direction.

To Load:

1-Place safety on “safe” position . Make sure the red indicator is not visible by pushing left to right. This indicates that the safety is ON (Figure 7).

2- Invert the firearm and place the shell into the bottom opening (Figure 8) and push forward past the shell stop (Figure 9). Repeat until magazine takes desired quantity up to four shells.

LOADING:



Figure 7



Figure 8



Figure 9



## LOADING:

**REMEMBER:** Whenever you handle your firearm always treat it as if it were loaded. Always keep the barrel pointed in a safe direction.

### Loading Continued:

3- Press action release, pull forend fully to the rear to release the shell from magazine then push forward until it locks in the battery position.

Note: Please observe your state's rules and regulations regarding shell capacity.

As delivered (less duck plug) your Model 37 is 4 plus 1. Simply stated, 4 in magazine, 1 in chamber.

## TEN COMMANDMENTS OF SAFETY:

1. Treat every gun with the respect due a loaded gun. This the cardinal rule of gun safety.
2. Carry only empty guns, take down or with the action open, into a vehicle, home or camp.
3. Always be sure the barrel and action are clear of obstructions and that you have only ammunition of the proper size for the firearm you are carrying.
4. Always carry your gun so that you can control the direction of the muzzle, even if you stumble. Keep the safety on until you are ready to shoot.
5. Be sure of your target before you pull the trigger.
6. Never point a gun at anything you do not want to shoot (regardless loaded or empty).
7. Never leave your gun unattended unless you unload it first. Also, be sure to store guns and ammunition separately beyond reach of children or careless adults.
8. Never climb a tree or fence or jump a ditch with a loaded gun, and never pull a gun to you by the muzzle.
9. Never shoot a flat, hard surface or the surface of water.
10. Avoid alcoholic drinks before or during shooting.

## UNLOADING:

**REMEMBER:** Whenever you handle your Model 37, Always treat it as if it were loaded. Always keep the barrel pointed in a safe direction.

### To Unload:

- 1- To unload, invert firearm over, press down on the spring shell stop (Figure 11) and release shells one at a time until you see the red follower.
- 2- To unload chamber (Figure 12) push the action release and pull forend fully to the rear, ejecting the shell into your hand.
- 3- Leave the action open and put the safety on to store in a safe place. Do not store your firearm in close proximity to ammunition.

## UNLOADING:



Figure 11



Figure 12

## DISASSEMBLY:

1- Keeping the firearm pointed in a safe direction with the safety on, pull back the action release and pull the forend back to open the action. Check to make sure the gun is unloaded by looking and feeling in the chamber.

2- With the firearm held upright, turn the magazine nut counter clockwise until it is snug against the magazine lug (Figure 13). Then turn the barrel a 1/4 clockwise turn (Figure 14) and pull it straight out away from the receiver (Figure 15 ).

3- Grasp the magazine nut, turn it clockwise making sure you keep light pressure on the cap while unscrewing because it is spring loaded, until you completely remove it.

4- Pull the spring gently out of the magazine tube being careful not to overstretch or bend the spring.

## DISASSEMBLY:

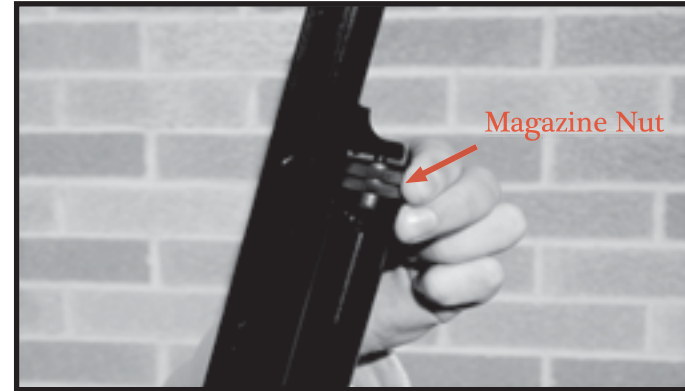


Figure 13



Figure 14



Figure 15

## DISASSEMBLY:

### Continued:

5- Turn the firearm upside down and using your finger, push the red follower loose, place your hand over magazine tube to catch the follower; when inverted, the follower will slide into your hand (Figure 16).

6- Using a small flathead screw driver, remove the yoke screw located in the yoke at the end of the magazine tube (Figure 17).

7- Gently spread the yoke apart and slide it off of the magazine tube. Slide the forend forward until the action locks .

8- Invert the firearm and look into the load area and locate the slide pin the slide. Using the same Flathead screw driver, push the slide pin to the left (Figure 18). Then pull the forend off the magazine tube.

**Note:** No additional disassembly is required for cleaning. If further disassembly is needed contact our service department 877-648-4222 or email Ithaca at [service@ithacagun.com](mailto:service@ithacagun.com)

## DISASSEMBLY:



Figure 16



Figure 17



Figure 18

## REASSEMBLY:

1- Pointing the firearm in a safe direction, invert the gun and slide the forend onto the magazine tube. Make sure the slide assembly rod is in line with the slot on the right side of the receiver (Figure 19).

2- Push the forend and the slide assembly rod down towards the receiver until it stops. The slide assembly rod should be resting against the slide pin at this point. Push the slide pin to the right with a small screw driver only far enough to allow the slide assembly rod to pass the slide pin (Figure 20).

3- Slowly push the forend towards the receiver until it locks in with the slide pin; you will hear a clicking sound.

4- Turn the firearm over so it's in sighting position and place the red follower in the end of the magazine tube with the tapered end down and let it slide down the magazine tube (Figure 21).

## REASSEMBLY:



Figure 19



Figure 20



Figure 21



## REASSEMBLY:

### Continued:

5- Pull the action release and forend towards the receiver to open the action. Next place the yoke on the end of the magazine tube with the pinch cut side up and align it with the notch on the end of the tube (Figure 22).

6- With a small screwdriver screw in the yoke screw, but be sure not to over tighten it (Figure 23). Then slide the spring back into the magazine tube and be careful not to bend or over stretch the spring while doing so.

7- Gently place the magazine cap on the end of the spring (Figure 24) and slowly push down until the cap securely sits on the end of the tube.

8- Turn the cap clockwise until it rests against the yoke. Be cautious not to cross thread this piece.

## REASSEMBLY:



Figure 22



Figure 23



Figure 24



REASSEMBLY:

**Continued:**

9- Grasp the barrel in your hand, muzzle end pointed away from you and the barrel lug pointing to the left (Figure 25).

10- Slide the barrel into the receiver and turn it counter clockwise 1/4 of a turn, aligning it with the dimple on the magazine cap.

11- Turn the magazine cap until it is snug against the barrel lug. You will hear it click a few times (Figure 26 ).

12- Your firearm is now reassembled. Cycle the action to make sure everything is in working order (Figure 27).

REASSEMBLY:



Figure 25



Figure 26



Figure 27

## WARRANTY:

Ithaca Gun Company warrants to you the original purchaser that this firearm was manufactured free of defects in material or workmanship; and for a period of 1 year after the date of purchase. The manufacturer agrees to correctly repair or replace (with the same or comparable quality model) your firearm. Ithaca Gun Company reserves the right to inspect, examine, and/or test the firearm to assess any claim made under Limited Warranty.

This warranty is void if the firearm has been abused, misused, damaged by accident, fired with hand loaded and/or reloaded or improper non-SAAMI standard ammunition or obstruction in the barrel, or damaged by failure to provide reasonable and necessary maintenance.

This warranty does not apply to normal wear of any parts, including metal, wood, plastic, rubber, other materials, or of the surface finish: This warranty is also void if any unauthorized repair and/or alteration has been performed on the firearm.



### SALES

Phone - (419) 294-4113

Email - [contact@ithacagun.com](mailto:contact@ithacagun.com)

### SERVICE AND PARTS

Phone - (419) 294-4041

Email - [service@ithacagun.com](mailto:service@ithacagun.com)

### GENERAL INQUIRIES

Fax (419) 294-3230

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Upper Sandusky, Oh 43351

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