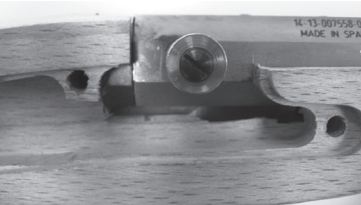
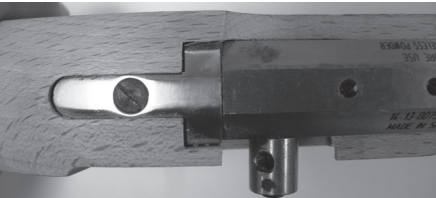


tang and gently set into stock. Make sure that barrel is all the way back into the tang slot. You need to visually inspect to make sure the bolster lines up with hammer and that when the hammer falls it hits the cap squarely. You must also pay close attention that there is a very slight gap between the bolster and locking plate.



8. Take the barrel tang and insert into its cut out area. This part should go into place rather easily. Visually inspect to make sure holes are correctly aligned.
- *File the tang or breech hook surfaces sparingly and only if needed to obtain a smooth, flush, yet snug fit.*
  - *These parts should require a moderate amount of force to join them together.*
  - *If holes are not perfectly aligned, enlarge with round file or drill bit to permit alignment.*



Since this hole attaches the tang to the trigger assembly we will install that next. Once all the problem areas have been removed and holes aligned proceed to the next step.

Next you want to make sure that the barrel tenon lines up correctly through its hole. To do this inset barrel wedge from right to left and gently tap into place. Note: Barrel Tenon should fit snugly. If the fit is too tight, sparingly file the dovetail portion of the tenon with a triangular file to reduce it slightly. If the tenon is too loose, using a hammer and a punch, indent the surface at the base of the dovetail with the punch so as to raise the edges around the punch indentations. An additional method of tightening is to install the tenon and tap the angular edges of the dovetail with a hammer and punch so as to capture the tenon.

**Note:** It will be necessary to remove the tenon in order to completely coat the dovetail and tenon surfaces with bluing or browning solutions. Final fitting will happen after coloring.

- *If tenon is blocking part of the wedge hole you will need to either spread the tenon or use a metal file to take away excess metal to allow a proper fit. (Once the barrel wedge slides through snugly)*
  - *To tighten fit you can place the wedge in a vice and bend by gently tapping with a hammer in the direction it needs to go.*
  - *To loosen fit flatten the wedge.*
  - *To help ease this process screw the stock plate in place on the left side of the stock. This will help to ensure proper line up.*
  - *Once you are sure of the alignment you can pull the wedge back out, slide the right side plate onto the wedge and reinsert it into the hole.*

- *Make sure to drive it all the way through. Now your right side plate is perfectly lined up and all you need to do is screw it in place.*

**Note:** Remember that you have less of a chance of splitting the stock if you drill pilot holes before inserting screws.

**Note:** If you have black side plates they will fit over the recessed holes and not in them. Do not be alarmed, the recessed holes are designed for brass plates that would have come already installed on the stock Since this hole attaches the tang to the trigger assembly we will install that next. Once all the problem areas have been removed and holes aligned proceed to the next step.

9. Nose Cap: With barrel in its place in the stock attach the nose cap with the two provided screws.

10. Set the hammer in the half-cock position. The barrel bolster should be positioned concentrically into its cut-out in the lock plate and the lock plate should be snug against the barrel.

11. Insert the tang screw through the hole in the corresponding tang and pass it through the stock and into its corresponding hole in the trigger assembly.

12. At this point the hammer should be positioned so that it will fall squarely onto the nipple. If it does not one or more of the following steps may be taken.
  - Remove wood from bottom of lock recess, until lock is flush with the barrel.
  - Remove wood as needed from under and behind the barrel channel, including tang area.
  - Check that the lock plate and lock plate screws are snugly fitted into the stock and the lock is properly positioned in its cut-out.
  - If proper alignment is not obtained with the previous steps, the hammer may be bent slightly by removing it from the lock, heating it and by bending it carefully to obtain the correct alignment.

13. Insert into rear sight into dovetail. Make sure if the fit is loose you use a hammer and punch to indent the metal securing the sight into place.

14. Install the front sight into the dovetail cut out on the top front of the barrel using the same installation technique as with the barrel tenon.

15. The Grip cap can be installed by simply placing in its designated spot on the grip and screwing the cap in place. If the cap does not fit properly remove excess metal with a file. Be sure to take off metal off sparingly.

**Note:** As with the barrel tenon final fitting of sights should be done only after bluing or browning the barrel.

Now that the gun is completely together and dry fit you need to check for functionality. Be sure to visually inspect the entire gun and components. Some common issues that can result are listed below with solution.

- **Hammer won't cock back completely:**  
**Fix:** Remove lock from stock. Visually inspect inletting for “dark” “oily”, or “rub” marks. They will most likely be along the bottom of the inletting for the lock opening. If these are spotted use a small chisel, file or Dremel® tool to remove excess wood. Make sure to take out small amounts and check fit and function of the lock. Continue to remove wood until lock operates properly.
  - **Lock Plate sits out too far:**  
**Fix:** If the lock sticks out too far shave small amounts away from inletting. Continue until locks sits properly in inletting.

- **Lock Plate sits in too far:**  
**Fix:** If the lock sits in too far use wood or plastic shims to set proper spacing. Make sure these shims don't interfere with any moving parts on the lock plate. Wood putty is not recommended to use as a shim because it can shift or compress.

Once everything fits properly and functions as it is supposed to, disassemble the rifle and place parts back into a box or similar container.

Final Fitting:

Now that all of our parts have been dry fitted we need to prepare the stock and barrel for their final finishes. Remember that this is where diligence pays off. Proceed slowly and be critical of your work and you will be rewarded with a fine looking firearm.

Stock

- Using progressively finer wood rasp and sandpaper, bring wood and metal surfaces flush with each other. File together to achieve a smooth transition between the surfaces. Proceed carefully, deliberately, and slowly.
  - Once all surfaces are flush use an orbital sander and hand sanding block to continue to smooth imperfections on the stock.
  - To achieve a good finish sand using 150 grit sandpaper
  - To achieve a better finish continue sanding with 180 grit sandpaper
  - To achieve the best finish use a 220 grit sandpaper or higher.
  - Remove or tape over metal parts before staining or finishing stock.
  - Once all sanding is complete stain with your choice of stain and color. Follow directions on the can for best results.
  - Once that stain dries completely apply an even coat of polyurethane for added protection.
  - At this time you can install the sling swivel to the underside of the buttstock. Select a drill bit slightly smaller than the screw portion of the sling swivel.
  - Install sling swivels.

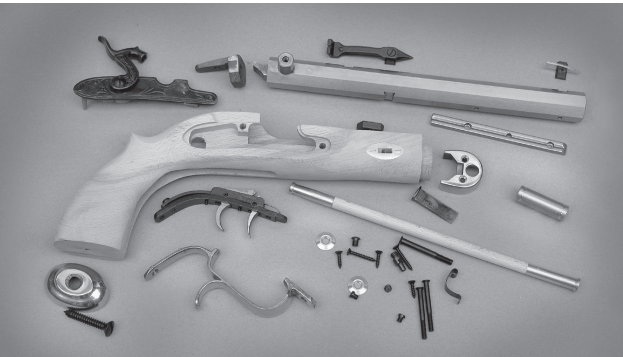
Barrel

- Polish bare steel parts with varying grits of emery cloth, each one finer than the previous. Finish with a fine steel wool.
  - Brown or blue steel parts with chemicals available in most gun shops. We recommend the bluing kit available from Birchwood Casey.

Once all bluing and staining is complete reassemble the rifle using the same steps you did during the dry fitting process. Make sure all parts fit properly and screws are properly tightened down. Be sure to read your owners manual before firing your rifle for the first time. This manual is designed to teach you proper techniques, loads and safety practices.

P.O. Box 776 • Old Saybrook, CT 06475-0776  
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Pistol Kit Instructions  
Trapper Pistol



Congratulations and thank you for purchasing your new Traditions muzzleloading kit. When you are finished you will have a fully functional and operable muzzleloader that you can take to the range or in the field. For this reason it must be handled with the same precautions and respect due any firearm. Before loading or shooting this gun, read and understand and always be willing to follow the instructions, loads, and precautions as outlined in the enclosed Warranty and Shooting Instructions Booklet. If this booklet is not with your kit, contact Traditions for a free replacement copy.

Please be sure to read the below instructions completely before assembling your Traditions rifle kit. Please note that once the package has been opened and altered in anyway (I.E. sanding, staining, bluing, filing, etc...) you will need to contact Traditions directly and not your dealer to resolve any issues that may arise.

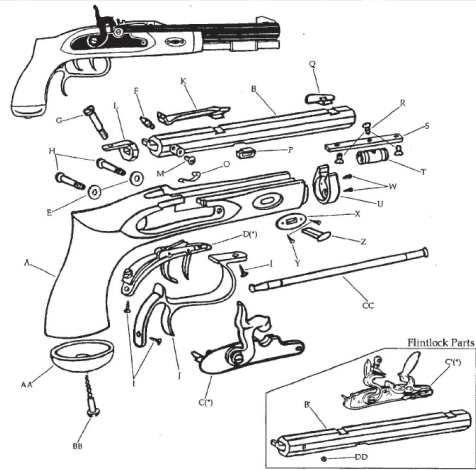
The following instructions will enable a moderately handy person to build a safe, serviceable, and shootable muzzleloader. This kit is to be considered moderately hard (Intermediate Skill Level) and you should expect to do some filing of both metal and wood to make it fit properly. Greater skills and patience will be rewarded with a truly fine rifle reminis-cent of the muzzleloading era.

Skill Levels:

**Beginners:**  
Stock: 95% inletted. Will require final fitting of metal parts, final sanding & finish. May require some holes to be drilled.  
Metal: May require some minor polishing. May require bluing or browning

**Intermediate:**  
Stock: 95% inletted. Will require some minor stock shaping & final fitting of metal to stock, final sanding & finish. Will require holes to be drilled.  
Metal: Will require polishing & browning or bluing.

- Trapper Pistol -			
Models:	Finished	Kit	
	P-1090	P-1100	KP-5090 KP-5100
	.50 cal. flint 1-20"	.50 cal. perc. 1-20"	.50 cal. flint 1-20" .50 cal. perc. 1-20"
	Blued Barrel	Blued Barrel	White Barrel White Barrel



Description	Reference	Description	Reference
A Stock (Beech) (Kit)	K-11001	J Trigger Guard (Brass)	11023
Stock Beech (Flintlock) (Finished)	FCS10901	K Rear Sight	20610
Stock Beech (Percussion) (Finished)	FCS11001	L Tang	20606-1
B Barrel Assembly (Kit)		M Bolster Screw (Percussion Only)	20605
.50 cal. perc. (twist 1-20")	C-110020	O Ramrod Retaining Spring	20621
Barrel Assembly Blued (Finished)		P Barrel Tenon	20533
.50 cal. perc. (twist 1-20")	FB112020	Q Front Sight	20611
B' Barrel Assembly (Kit)		R Rib & Thimble Screw (3)	20614
.50 cal. flint. (twist 1-20")	C-109020	S Barrel Rib	11012
Barrel Assembly Blued (Finished)		T Thimble	20613
.50 cal. flint. (twist 1-20")	FB109020	U Nose Cap (Brass)	11015
C Percussion Lock		W Nose Cap Screw (2)	20627
C' Flintlock	20503	X Wedge Plate (2)	22216L
D Trigger Assembly	20622P	Y Wedge Plate Screw (4)	20617
E Lock Washer (2)	20619	Z Wedge	22218-2
F Nipple (Percussion Only)	20608	AA Grip Cap (Brass)	10826
G Tang Screw	20209	BB Grip Cap Screw	10827
H Lock Screw (2)	20220	CC Ramrod	11028
I Trigger Guard Screw	20624	DD Touch Hole Insert (Flintlock Only)	20534

Additional Items:

Please note that the below listed items are items that we advise using in addition to those parts that came with your kit. These items are meant to ease the assembly or the kit and will allow for a better fit and finish.

1. Wood Files (several different sizes and shapes)
2. Wood Carving tools (chisels or Dremel tools are acceptable)
3. Vise
4. Cordless Drill
5. Drill Bit (11/16)
6. Sandpaper (150, 180, & 220)
7. Emery Cloth
8. Fine Grade Steel Wool
9. Bluing Kit (Birchwood Casey)
10. Wood Putty
11. Stock Finishing Kit (Wood Stain & Polyurethane)
12. Safety Goggles
13. Latex Gloves

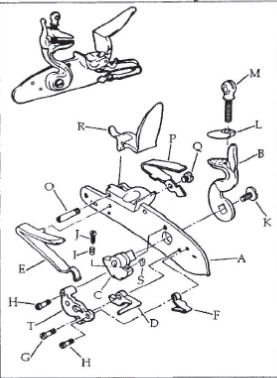
Step 1:

After removing the rifle kit peel away the plastic protective layer and inventory that all parts are included. The easiest way to do this is check

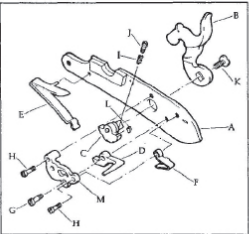
off each item and quantity. Then place them in a closeable tray for safe keeping. Please refer to enclosed parts list, if any are missing or are lost during the building process please reference the part number and call Traditions to reorder or have replaced.

TRADITIONS™

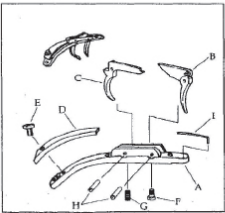
Flintlock Assembly - Ref. 20503



Percussion Lock Assembly - Ref. 20603



Trigger Assembly - Ref. 20622P



Step 2:

Once all of your parts are present and accounted for you can start to “dry fit” them to the gun. This process should be taken very seriously as it will pay big dividends later when the final fit and finish occurs.

General Assembly Instructions:

1. Fitting: All metal parts should be placed into their respective cut-outs of the stock and should fit snugly. Remove wood sparingly and only as needed with a sharp chisel or carving tool. Proceed slowly, it is better to remove too little wood then take too much out.
2. Wood Screws: to facilitate assembly and to avoid cracking the stock, mark and drill small pilot holes into the wood before inserting Wood Screws.

3. Metal Screws: Turn screws into and out of their threaded holes several times to burnish the threads to ensure smooth fit.

Dry Fitting:

Lock Assembly

\*Lock Assembly will vary with model.



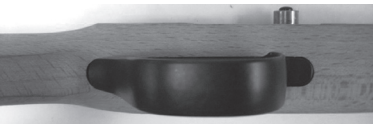
1. Start with the lock assembly. Press firmly into the pre cut opening. (Note: it should fit snugly but not so tight that you need to force it in.) If forcing is required note the areas where wood removal needs to occur. In the event that the lock is loose you will need to add spacers in the gaps to ensure a proper fit. Wood putty can be used to fill in holes, but do not use to hold lock assembly in place.
2. Position the Ramrod Retaining Spring into the Stock so that the end of the spring which has the loop-hole is positioned towards the muzzle & the curve is downwards towards the ramrod channel.
3. Once the lock assembly is in place visually verify that the screw holes line up. If holes are not perfectly aligned, enlarge one or both stock holes with a round file or drill to permit alignment. Screws should be snug against the barrel.
4. Install the front lock plate screw & washer through the hole in the stock, passing it through the loop hole in the ramrod retaining spring and into the corresponding hole in the lock plate.
5. Install the second lock plate screw & washer.

Note all areas where additional fitting is required. You can use a pencil to outline areas where wood needs to be removed. Once all the excess areas have been removed and holes aligned proceed to the next step.

Barrel Assembly & Trigger Assembly into Stock

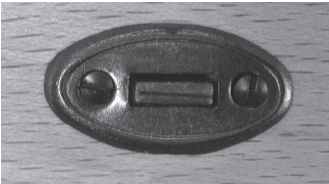
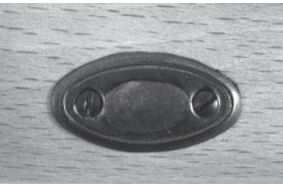
1. Test that the tang screw turns smoothly within its corresponding threaded hole in the trigger plate by turning it in and out several times to burnish the threads.
2. Test that the trigger moves freely within the trigger guard. If not, move it back & forth a few times to free up any binding. Pushing the trigger sideways in its housing will also help loosen its movement.
3. Place the Trigger assembly (Part P) into its cut out slot. Here again you want a snug fit but not so tight that it has to be forced in.

\*Trigger Assembly will vary with model.



- If forcing occurs note areas that need to be filed or removed. **Remove wood sparingly.**
- Ensure the top bar of the trigger does not touch any wood.
- If too lose note areas where wood putty is needed.
- After inspecting trigger assembly fit, make sure that it is properly aligned with the barrel tang hole. If the holes are not perfectly aligned enlarge with a round wood file or drill bit.
- Once all the excess areas have been removed and holes aligned proceed to the next step.

4. Test that the wedge transverses from the right side of the stock and exits the cut out on the left side. Remove wedge.



5. Install the ramrod thimble/rib sling swivel assembly to the underside of the barrel with the two thimble/barrel rib screws.

\*Thimble will vary with model.



At this time set the stock and components off to the side. We are going to move onto the barrel at this time. For the next step you will need the barrel assembly, barrel tenon and nipple.

6. First we want to attach the barrel tenon to the barrel assembly. This is done by inserting the tenon into its slot on the barrel. Using a rubber mallet or small hammer gently tap in place until tenon is even centered on barrel.
  - Make sure angle end is pointing towards the muzzle.



7. Once this is complete take nipple and thread into bolster. Finger tighten. At this time you can also screw the bolster screw into its designated spot. Using a straight slot screw driver tighten till snug.
  - Coat the thread of each with lube for easy future removal.

Note: Once all these parts are installed we want to fit the barrel to the stock.

Note: To properly fit the barrel to the stock, place the barrel into the barrel