

## SPECIFICATIONS

Description	Case Prep Xpress
Item No.	(115V) 7810220 (230V) 7810223
Rating voltage	AC 220~240V ~ 50-60 Hz
& Frequency	AC 100~120V ~ 50-60 Hz
Tool RPM	125 RPM
Dimensions	10 x 10 x 6 in. 254 x 254 x 152.4 mm

**Lyman®**  
475 Smith Street  
Middletown, CT 06457  
  
1-860-632-2020  
[www.lymanproducts.com](http://www.lymanproducts.com)

# Lyman® Case Prep Xpress™



## Operating Instructions

## **GENERAL INFORMATION**

Congratulations on the purchase of your new Lyman Case Prep Xpress™. Lyman, the industry innovator in case preparation for decades, now brings to market the most complete electric case prep system ever developed. The Case Prep Xpress is the only “All-Inclusive” System offering all the most popular case prep accessories driven by a high torque gear motor. The Case Prep Xpress allows the user to simultaneously do 5 different case prep operations. Removable dump pan provides easy clean up of brass shavings.

The best part is that all accessories are included from the start, no need to have to separately purchase expensive additional accessories.

## **UNPACKING AND SETUP INSTRUCTIONS**

The photo at right shows your Case Prep Xpress in its original packaging. On top is your instruction booklet and accessory kit. Make sure all the included accessories are accounted for before going any further.

The kit includes:

- A. 1 Inside Deburr (VLD) Tool
- B. 1 Outside Deburr Tool
- C. 1 Primer Pocket Uniformer (S)
- D. 1 Primer Pocket Uniformer (L)
- E. 1 Primer Pocket Reamer (S)
- F. 1 Primer Pocket Reamer (L)
- G. 1 Primer Pocket Cleaner (S)
- H. 1 Primer Pocket Cleaner (L)
- I. 1 Case Neck Brush (25 Cal)
- J. 1 Case Neck Brush (30 Cal)
- K. 1 Case Neck Brush (38 Cal)
- L. 1 Case Neck Brush (45 Cal)
- M. 1 Case Neck Lube (Mica)

After using tools in the revolving tool stations, they may become quite tight. You may need to hold onto a tool in another station to keep from turning the motor when a tool is removed.

## **HANDLING CAUTION** **FOR MOTOR MICA CASE LUBE**

CAUTION: Do not inhale dust and avoid contact with eyes. Prolonged inhalation may be unhealthy. Use in adequately ventilated areas only. Always wear eye protection while handling.

FIRST AID PROCEDURES: In case of eye contact, flush immediately with plenty of water. If irritation occurs seek medical attention. In case of inhalation seek fresh air; if irritation occurs seek medical attention.

### OSHA/HMIS Label

Health:	0
Flammability:	0
Reactivity:	0
Max. Personal Protection:	E

- **Primer Pocket Cleaner Small and Large:** Quickly removes fouling out of primer pocket bottoms. Lightly press case over tool (approx. 2-3 seconds) until fouling is removed.



The following case neck brushes can be installed in the six storage stations located on either side of the unit.

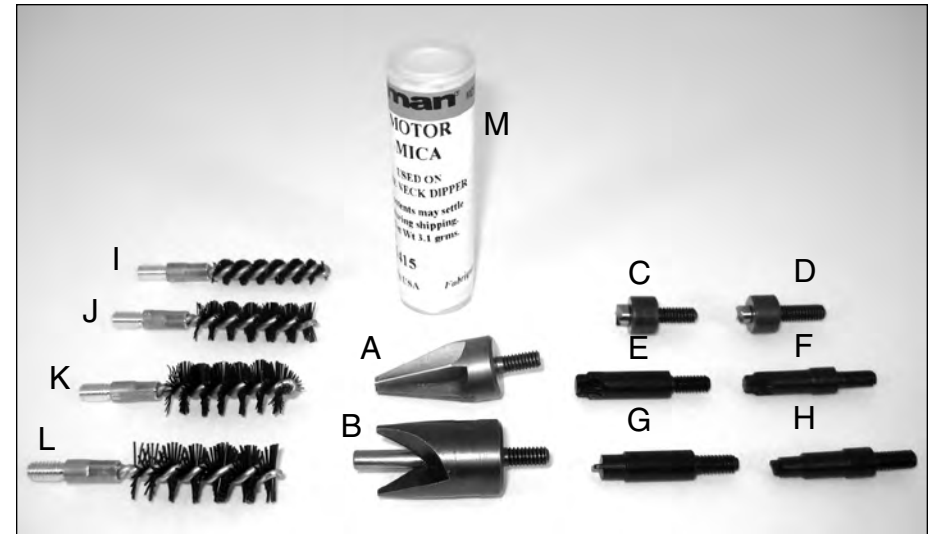
- **CASE NECK BRUSH (.25 Cal.):** Allows cleaning of case necks up to .25 caliber
- **CASE NECK BRUSH (.30 Cal):** Allows cleaning of case necks from .26 to .30 caliber
- **CASE NECK BRUSH (.38 Cal):** Allows cleaning of case necks from .31 to .38 caliber
- **CASE NECK BRUSH (.45 Cal):** Allows cleaning of case necks from .38 to .45 caliber



- **Case Neck Lube Dry (Motor Mica):** Motor Mica is a dry lubricant that be used to ease the passage of the resizing die's expander ball. Pour small amount of Motor Mica supplied in a small plastic vial into round recess on edge of unit. Once you have used the appropriate brush to clean your case neck dip the case neck into Motor Mica and tap off any excess. Note this operation should be done prior to decapping and sizing.

## **CARE AND MAINTENANCE**

The Lyman Case Prep Xpress center is designed to provide years of service with minimal maintenance. The Xpress can be wiped occasionally with a damp cloth. Do not use any harsh cleaning products or solvents on unit. A removable brass shaving dump pan is included. The build up of brass shavings will occur around the tools and should be brushed off with the supplied brush.



Once you have verified the contents of the accessory kit you can now remove the unit from the box. Place your Case Prep Xpress unit on a smooth flat surface for use.

## **IMPORTANT**

Before using your Lyman Case Prep Xpress read all operating instructions prior to getting started. This instruction manual should be kept with your Case Prep Xpress center so that it may be used for reference in the future. If after reading all user instructions you still do not understand the unit's operation please contact Lyman customer service at 1-800-22LYMAN for further assistance.

## **OPERATING THE XPRESS**

You may install your case prep tools in any of the 5 different stations on the unit to meet your specific needs for case preparation. Case prep tools simply thread into the tool stations on the top of unit. They will accept any case tools using a 8-32 thread.

## INDIVIDUAL TOOL INSTRUCTIONS

- **Inside Deburr (VLD) Tool:**

This tool eliminates damage caused by sharp edges on the case neck. It cuts a gentle 22 degree chamfer on the case mouth allowing bullets to easily enter the cartridge. This tool only requires a few seconds to properly function. Do not over cut brass as this will lead to thin weak necks. Works on cartridges from 17cal. - 45cal.



- **Outside Deburr Tool:**

This tool removes excess brass from trimmed cases. The tool easily deburrs the outside case mouth to leave a smooth even finish. This tool only requires a few seconds to properly function. Do not over cut brass as this will lead to thin weak necks. Works on cartridges from 17cal. - 45cal.



- **Primer Pocket Uniformer Small and Large:**

The Lyman Primer Pocket Uniformer Tool is designed to cut rifle primer pockets to a uniform depth that can produce more consistent ignition and lead to greater accuracy. The Primer Pocket Uniformer cuts to a uniform depth and at the same time squares the seating surface for the anvil of the primer. Primers are constructed so that the anvil protrudes slightly from the open end of the primer cup. This is necessary so that the anvil will rest firmly on the bottom of the primer pocket. When the firing pin strikes the primer, the impact sensitive compound inside the primer is crushed between the anvil and cup causing the compound to ignite. Variations in the depth or configuration of the primer pocket, or in the primer seating operation itself, can alter the effects



of the firing pin blow. This, in turn, effects the ignition of the primer and may affect the accuracy of the cartridge.

The Uniformer Tool is factory set to S.A.A.M.I. specifications for rifle primers and is fixed in place. **NO ADJUSTMENTS ARE NEEDED OR SHOULD BE ATTEMPTED!**

To use the Primer Pocket Uniforming Tool, insert the primer pocket of an empty, deprimed case. Be sure to hold the case straight in line with the Uniforming Tool. Hold case over tool while applying light pressure. Hold case over cutter and remove material until the head of the case makes contact squarely against the stop collar on the Uniformer Tool. Remove the case from the cutter and check the pocket for brass shavings. Remove any shavings that are found. If no material is removed, the pocket is already at the correct depth. Military cases have crimped-in primers. Lyman's Primer Pocket Reamer should be used first to remove the crimp and then the Uniformer Tool can be used as described above.

### **WARNING:**

- Do not adjust stop collar.
- Large Rifle and Large Pistol Primers have different pocket depths.
- Do not use the Large Rifle Uniformer in pistol cases.
- Holding the Uniforming Tool at an angle in the primer pocket could enlarge the pocket and cause gas leakage.
- Keep tool square and in-line with the case.

- **Primer Pocket Reamer Small and Large:** Removes military crimps and rough metal edges from primer pockets. The tool requires only a few seconds to work properly. Be sure to hold case square with the reamer. Holding unit at an angle in the primer pocket could enlarge the pocket and cause gas leakage.

