Lee Reloading products are guaranteed not to wear out or break from normal use for two full years, or they will be repaired or replaced at no charge if returned to the factory. Any Lee product of current manufacture, regardless of age or condition, will be reconditioned to new, including a new guarantee, if returned to the factory with payment equal to half the current retail price.

THE LEE GUARANTEE

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CAUTION

Ammunition reloading can be dangerous if done improperly and should not be attempted by persons not willing and able to read and follow instructions exactly. Children should not be permitted to reload ammunition without strict parental supervision. Always wear safety glasses and hearing protection when reloading and shooting. Ammunition loaded with these tools and data should only be used in modern guns in good condition. We do not accept responsibility for ammunition loaded with these tools or data as we have no control over the manufacture and storage of components or the loading procedure and techniques. Primers and gun powders, like gasoline and matches, can be dangerous if improperly handled or misused.

WARNING Handling live primers and spent primers may expose you to lead or other chemicals, which are known to the State of California to cause reproductive harm and cancer. For more information, go to www.P65Warnings.ca.gov.

WARNING Steel parts in this product may be alloyed with trace amounts of lead and other elements which are known to the State of California to cause reproductive harm and cancer. For more information, go to www.P65Warnings.ca.gov. To prevent exposure, do not alter the product by welding, grinding, etc.
BEFORE YOU START RELOADING

THE LEE BREECH LOCK HAND PRESS
is ideally suited for use while seated. A right handed person should hold the tool in his left hand and let the lever rest against the left leg. By pushing the tool against your leg, you can move the lever and raise the ram, freeing your right hand to insert the case, primers or bullets.

You will shortly find that you can quite comfortably sit in your favorite chair with your left elbow resting on the arm for lengthy loading without tiring.

Your press features the Lee Breech Lock Quick-Change Die Bushings

Thread your die into a quick-change bushing and lightly snug the lock ring

Once your dies are set you can instantly remove them and replace them to the exact same position. If cost is more important than convenience, you can leave the Breech Lock bushing permanently installed and screw your dies in and out as in any conventional press.

Insert bushing into the press, turn clockwise 1/2 turn to secure. Adjust die in or out for proper operation.

Remove the die by rotating the die 1/6 of a turn counterclockwise. Lift out and change to your next die.
YOU CAN NOW BEGIN RELOADING

1 INSTALL SHELLHOLDER

2 INSTALL SIZING DIE Insert a Breech Lock bushing and screw the sizing die in until it touches the shell holder and moves the lever off the stop ¼". When properly positioned, tighten the lock ring. NOTE: DO NOT move the lever off the stop when using carbide dies.

3 PREPARE YOUR CASES Inspect your cases while lubricating them. Discard all cases with split necks, indications of head separation or other defects. Wipe on a thin film of Lee Case Lubricant with your fingers. Fingers are the best way of lubing a case as any grit that could damage the die is wiped away. The case may be immediately sized or you can let the lube dry.

Be sure to lube the inside of the case neck with a cotton swab.

CAUTION

If for any reason you do not use Lee Resizing Lubricant, be very careful not to contaminate the powder or primers. All other brands are oil based and have serious, detrimental effects on powder and primers. Because of the stickiness, they also attract grit that can damage the die. Lee Resizing Lubricant costs less and is so superior that it is worth the effort to insist upon it or order direct from the factory.

4 PLACE THE LUBRICATED CASE in the shell holder and squeeze the levers together. Open the levers and remove the case. Do this with all of the cases before proceeding to the next step. CAUTION After every box of 20 rounds, remove the shell holder and dump out the spent primers.

LEAD WARNING

Primers contain lead: a substance known to cause birth defects, reproductive harm, and other serious physical injury. Wash hands after exposure.
5 PRIME your case with one of the optional priming tools. Follow instructions included with the tool.

6 INSERT a Breech Lock bushing and screw the Expanding Die one turn short of touching the shell holder. This die flares the case mouth for easy bullet insertion. Turn deeper to increase the flare. Adjust to minimum flare needed to start the bullet. Powder may be added through Lee Expanding Die.

7 CHARGE THE CASE
Regardless of how you charge the case, be absolutely certain you have the correct amount and type of powder for the bullet you have selected. NEVER try to seat the primer deeper after the powder has been added.

8 INSERT Breech Lock bushing and screw bullet seating die in until it touches the shell holder — then back out three full turns. Lightly finger tighten the lock ring.

9 SEAT THE BULLET
Place a bullet on the case mouth and guide it into the die. Raise the ram to the top and withdraw. The adjusting screw controls the bullet seating depth. Adjust to suit. Usually, seating to the same depth as a factory round works fine. If you desire to crimp, be sure the bullet crimp groove is almost completely inside the case. Then screw the die in just enough to apply a good crimp. Attempts to apply excessive crimp will crush the case. For proper crimp, all cases must be trimmed to the same length. For best utility and accuracy, consider the Lee Factory Crimp Die. You will never crush a case; no crimp groove is required and trim length is not critical.

10 IF LOADING MAXIMUM loads, it is a good practice to remove all traces of case lubricant with detergent and water. This reduces pressure against the bolt.
**IT IS YOUR RESPONSIBILITY TO ENSURE THE SAFETY OF YOUR LOADS**

**THE FOLLOWING ARE FACTORS THAT WILL INCREASE PRESSURES. SOME WILL BE DANGEROUS.**

- **DO NOT USE** more powder than recommended
- **DO NOT USE** a heavier bullet than recommended
- **DO NOT SEAT** the bullet deeper than normal
- **DO NOT USE** magnum primers unless using a slow burning ball powder
- **Greatly oversize bullets,** excessively hard bullets or cases that are too long will cause higher pressures
- **High temperatures,** or cartridges stored in a hot car or car trunk will produce higher pressures

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**WEAR SAFETY GLASSES WHEN RELOADING OR SHOOTING**

**PRECAUTIONS**

- Use primers recommended for your load.
- Keep powder away from heat and open flames — Don’t smoke.
- Do not mix powders.
- Be sure you have the correct powder, measure and bullet of the correct weight.
- Exercise care and common sense at all times.

**THE FOLLOWING ARE FACTORS THAT WILL INCREASE PRESSURES. SOME WILL BE DANGEROUS.**

**RELOADING IS QUITE A SIMPLE PROCESS**

1. **Case is sized to original dimensions and the spent primer is removed**
2. **Install a new primer**
3. **Add a charge of powder**
4. **Seat a new bullet and crimp if desired**

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**CROSS SECTION OF A TYPICAL CARTRIDGE**

**RELOADING SAFETY**

Keep powder away from heat and open flames — Don’t smoke.

Store powder and primers in their original containers in a cool, dry place.

Read and follow instructions exactly.

Be sure you have the correct powder, measure and bullet of the correct weight.

Any mixup can be dangerous.

**MILITARY CASES**

Used military cases are readily available at low cost. Usually, these have primers that are crimped in place.

This is to prevent the primer from coming loose in automatic weapons and jamming the action at an inopportune time. The crimp must be removed before repriming. This can be done with a primer pocket reamer or swaging tool. Even a Lee Chamfer Tool works best, but it can be done with a pocket knife.

Straight sided cases, such as those used by most handguns, are loaded with a 3-die set.

**POWDER**

Powder is usually classified as smokeless and black powder. There is also Pyrodex, which is a substitute for black powder. We will be using only smokeless powder for reloading.

Each set of Lee Dies is supplied with powder measure and charge table with a generous selection of loads. Additional load data is available from all the powder manufacturers and bullet makers. This is excellent information and should be followed exactly.

Different powders are available to do different jobs. Bullets having a high sectional density (long length in relation to their diameter) require a slow burning powder. This permits sustained peak pressure to gain maximum acceleration within working pressure limits. Short, light bullets use quicker burning powder for complete combustion within the barrel. A wide selection of powder is readily available. Powders should always be stored in their original containers. While smokeless powder is not an explo-
Lee Case Trimmer Simplest and safest way to check the case and trim to the correct length.

After a few loadings, cases tend to get longer. This could be dangerous if the case were so long that it would pinch the bullet in the end of the chamber. Pressure high enough to damage the gun could result. Notice how the case length gauge passes through the case and stops against the lock stud and trims every case to the correct length.

Lee Zip Trim 90899

Trim the case using the Lee Case Trimmer
Chamfer the case inside and out
Polish case with steel wool, scouring pad or crocus cloth

Lee Safety Powder Scale 90681

It is the easiest to use, most accurate and sensitive powder scale made exclusively to weigh gun powder. The Lee Safety Scale has magnetic dampening and an approach to weight lifter enclosed within its heavy metal base. The exclusive safety beam has a stainless steel razor edge for maximum sensitivity. You can be sure that the Lee Safety Scale will retain its original factory accuracy for as long as it is not physically broken.

Lee Value Turret Press 90932

Proven design with compound leverage. No spring in this turret design. The turret is locked into a solid steel ring with big rifle bolt type lugs. Exclusive design puts the lugs on the circumference so there can be no tipping. The linkage is so powerful that the largest magnum cases are sized with ease. Effort required is so small that the usual heavy bench is not essential. The Lee Turret Press has built-in primer catcher and a comfortable roller handle. Even if you do not need all of these features, why pay more for anything less?