

LEE

LEE PRECISION, INC.

Verify contents:

- Reloading press
- Spent primer disposal tube
- Wood roller handle and mounting hardware for handle (lever clamp, heavy washer, bolt)
- Small and large primer arm

VALUE 4 HOLE TURRET RELOADING PRESS

COMPLETE INSTRUCTIONS

Setup Tools required:

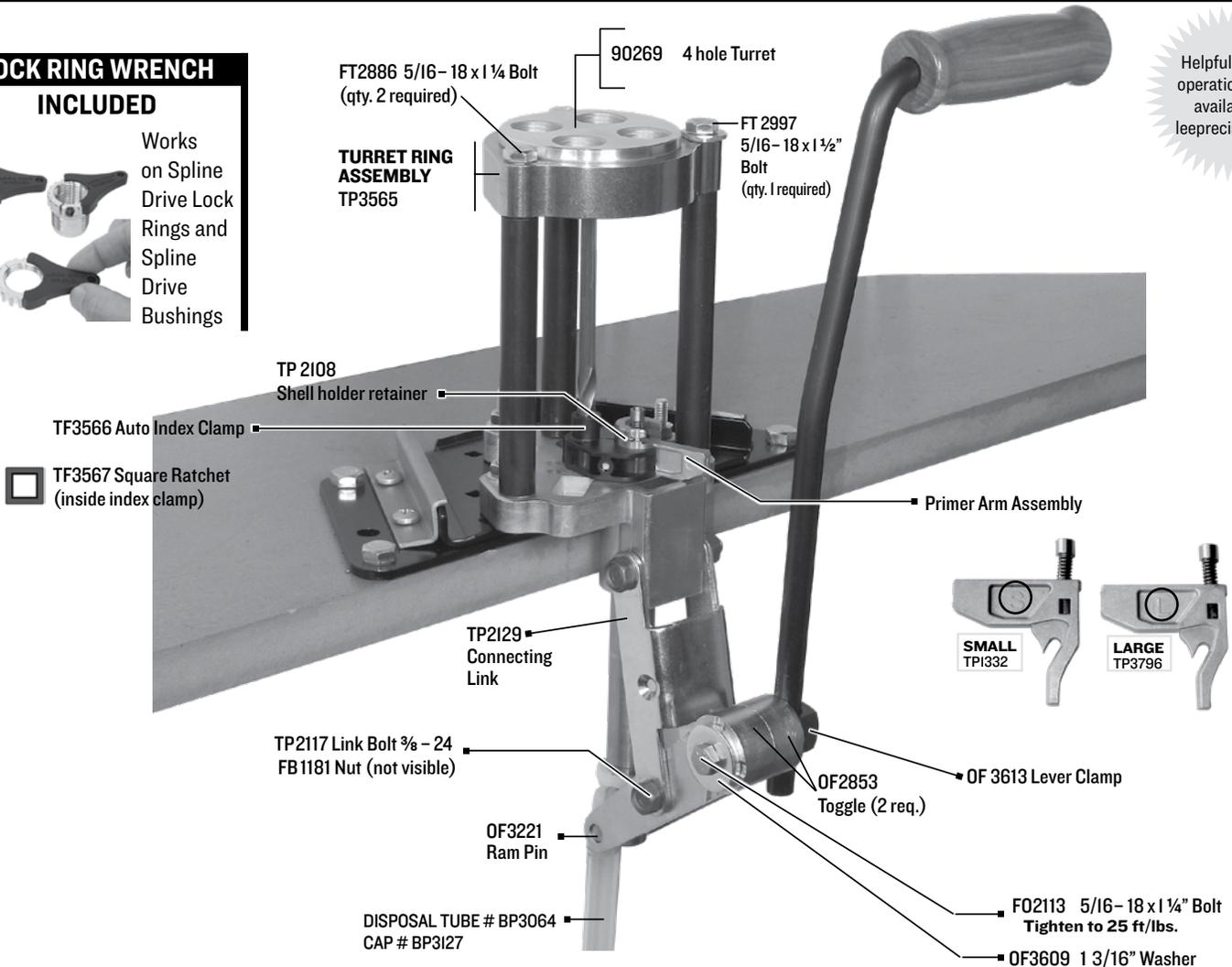
- Safety glasses & ear protection
- 1/2" wrench or socket
- 1/4" wrench or adjustable wrench

LOCK RING WRENCH INCLUDED



Works on Spline Drive Lock Rings and Spline Drive Bushings

Helpful setup & operation videos available on leeprecision.com



SAFETY CONSIDERATIONS

- Wear safety glasses and hearing protection when reloading or shooting.
- Be sure of proper powder and charge for bullet weight selected.
- 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.
- Exercise care and common sense at all times.
- Do not permit distractions while loading.

SMOOTH OPERATING TIPS

- Oil ram using STP® motor oil treatment. Using any household oil, lubricate link bolts and ram pin every few thousand rounds. See below for details.
- Do not force it or you will break something. If it does not feel right, stop and check out the problem.

Lubricate these points often:

Use household oil to lubricate between the turret and the turret ring.

Use household oil

Use STP® motor oil treatment on ram

Use household oil

Rust proof these points often:

Dry Coat® rust preventative works well

Turret ring

(3)

Columns

Handle & lever clamp

⚠ CAUTION

- Reloading should not be attempted by persons not willing and able to read and follow instructions exactly. Do not permit distractions while loading.
- Children should not be permitted to prime without strict parental supervision.
- Always wear safety glasses and hearing protection when reloading and shooting.
- Primers and gun powder, like gasoline and matches, can be dangerous if improperly handled or misused. Primers will explode if shocked or crushed.
- 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 manufacturer and storage of components or the loading procedure and techniques.
- Be extremely careful to select the correct amount and type of gun powder for the charge selected.

1



LEE BENCH PLATE #90251

Mount your press. The most convenient way to mount your press is with our **Lee Bench Plate System # 90251**. This system includes all of the mounting hardware and allows for quick press removal without unbolting from bench.

Or, purchase [qty. 3] 1/4" bolts and nuts and prepare your workbench for use with this press using drill template available: leeprecision.com/files/instruct/2019_p1k_vtp.pdf



For those without a bench, consider our **LEE RELOADING STAND #90688**.

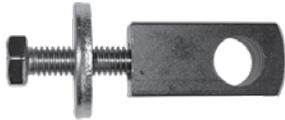
Both the #90688 Reloading Stand and #90251 Bench Plate include a steel mounting plate.



2

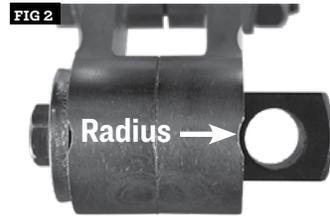
Attach the handle with clamp assembly.

FIG 1



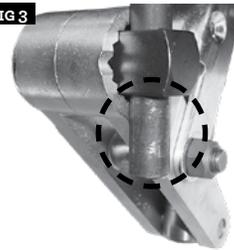
Slide handle clamp assembly into toggle and orientate hole in lever clamp with radius in toggle.

FIG 2



Slide in the roller handle into the lever clamp assembly, make sure the handle passes completely through.

FIG 3



Snug bolt with a 1/2" socket or wrench, tighten securely to 25 ft/lbs. minimum.

FIG 4



IMPORTANT:
Using 1/2" socket or wrench, tighten securely to 25 ft/lbs.

3

Raise the retaining ring and slide the primer collection tube assembly into the ram.

FIG 5



Slide retaining ring on to assembly.

FIG 6



4

INSTALL DIES INTO TURRET

Install your reloading dies according to the instructions provided with your reloading dies.

Powder Through Expanding Die or Rifle Charging Die

position 2

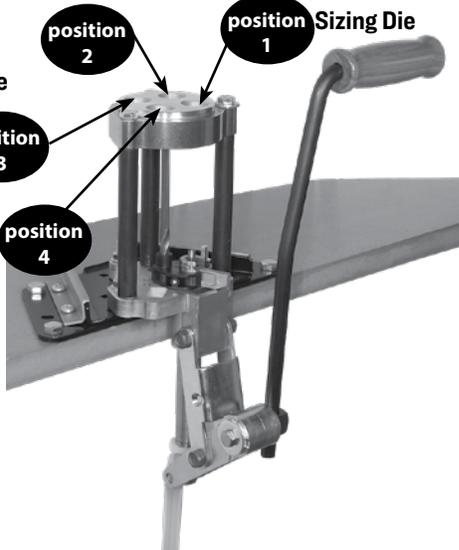
position 1 Sizing Die

Bullet Seating Die

position 3

Factory Crimp Die

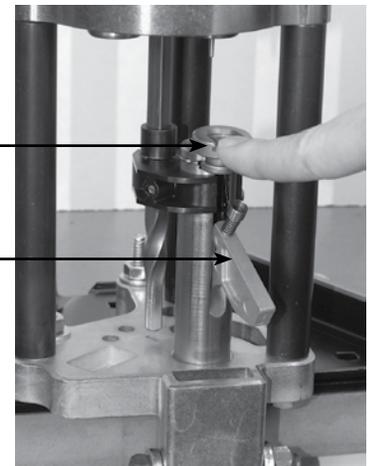
position 4



5

INSTALL LEVER PRIME ASSEMBLY & SHELL HOLDER

With ram at mid-stroke position. Install and orientate the primer arm at the 5 o'clock position inside the ram. Install appropriate universal shell holder.



6 UTILIZING SAFETY PRIME?

If you plan on utilizing the accessory Safety Prime, install Powder measure riser #90041, sold separately.



Powder measure riser
#90041



Install extension tube into body as shown



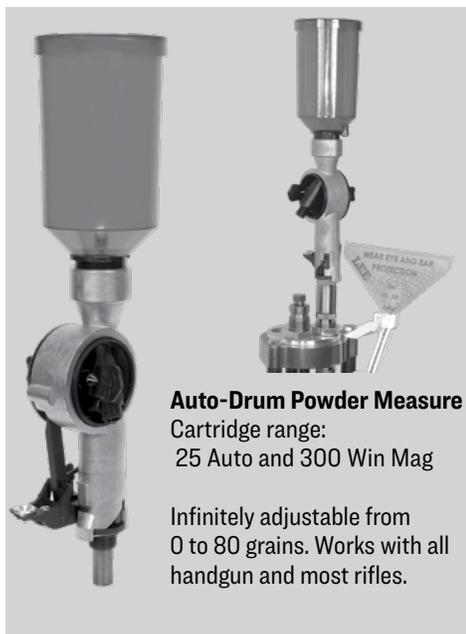
Thread assembly into powder through expanding die or rifle charging die. Make sure o-ring is located between the top of the powder through expanding die and the powder measure riser

7 INSTALL POWDER MEASURE

* OPTIONAL*

Lee case activated powder measures automatically drop the exact charge while expanding the case mouth.

Install your powder measure according to instructions provided with the powder measure. These instructions will also provide advice on setting the charge on the powder measure.



Auto-Drum Powder Measure
Cartridge range:
25 Auto and 300 Win Mag

Infinitely adjustable from 0 to 80 grains. Works with all handgun and most rifles.



Pro Auto-Disk Powder Measure
Cartridge range:
9mm to 45 Colt

Nothing to adjust, nothing to get out of adjustment. Works with handgun and small rifles.

8 INSTALL SAFETY PRIME

OPTIONAL

Dispensing primers is greatly sped up by using the **LEE SAFETY PRIME** primer feeder. Never touch the primer from box to shell.



9 RELOADING SEQUENCE

1) Size The Case

Place a case in the shell holder and lower the press lever to insert case into the sizing die. This will punch out the spent primer and size the case back to factory specifications.

2) Prime

With clean fingers, place the correct size and type of primer into the primer guide. Or dispense primer using the Lee Safety Prime primer feeder (never touch the primer from box to shell). Raise the lever, seat the primer to flush to slightly below flush of the case head.

3) Charge Case

Lower the lever, the case will rise into the powder charging and pistol expanding station to dispense a charge. 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.

4) Seat/Crimp Bullet

Put a loose bullet on top of the case mouth. Lower the lever, this will raise the case into the bullet seating/crimping die to seat the bullet.

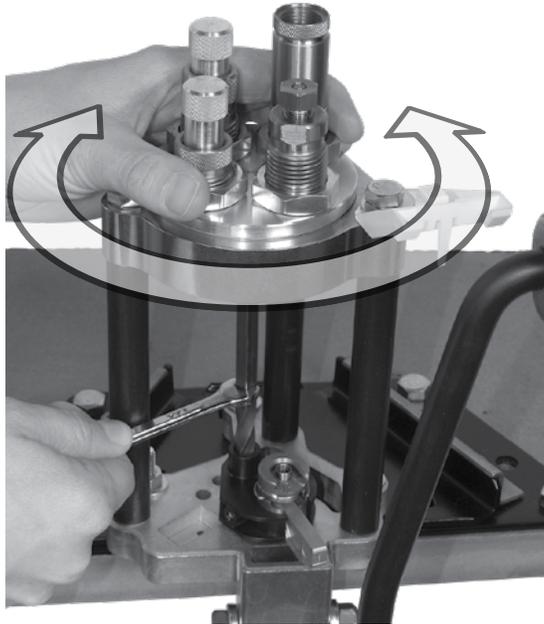
5) Factory Crimp Die

Raise the assembled round into the factory crimp die, this will firmly crimp your bullet in place and will give your round factory like feed and dependability.

ADJUSTING THE INDEX

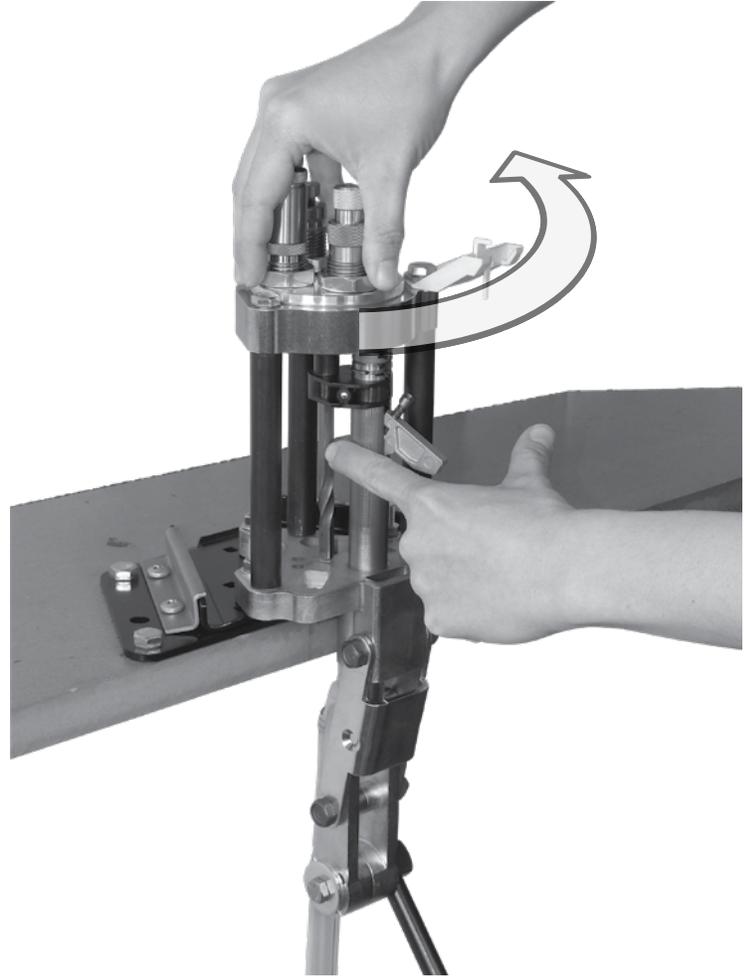
Help video: leeprecision.com/turret-press-help-videos.html

Cycle the press up and down. If the turret does not stop in the correct position—follow these instructions. With the ram in the down position, place a ¼ inch wrench on the index rod and hold in position. Now rotate the turret into the correct position. Never use a pliers as index rod damage will occur.



REMOVING TURRET

The turret turns as the press ram is lowered. This is due to the square ratchet riding on the index rod. The square ratchet is designed to last nearly indefinitely and resides in the nylon housing Auto Index Clamp. In order to maintain the integrity of the square ratchet, remember to raise the ram at least ½ way up to disengage the ratchet from the housing, which then allows the index rod to spin freely. It is at this point that the Turret can be removed by lifting and turning counterclockwise. Also add household oil between the turret and the turret ring occasionally to help extend the life of the square ratchet.

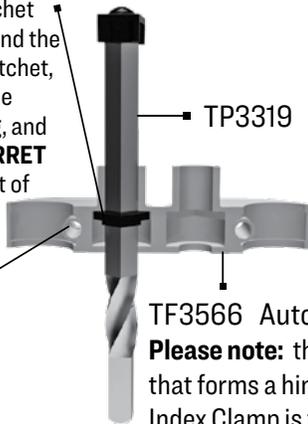


PARTS LIST FOR THE FOUR HOLE INDEX

TF3567 Square Ratchet

Please note: to extend the life of your square ratchet, oil between the 4 hole turret and turret ring, and see **REMOVING TURRET** instructions top right of this page.

FT3570
8-32x1½"
Phillips panhead



TP3319 Square Index Rod

TF3566 Auto Index Clamp
Please note: the thin material that forms a hinge on the Auto Index Clamp is there for ease of assembly at the factory. After installed on the press, it has no effect on the indexing of the press whether the hinge is intact or not.



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.



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.

The Lee Guarantee

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.

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