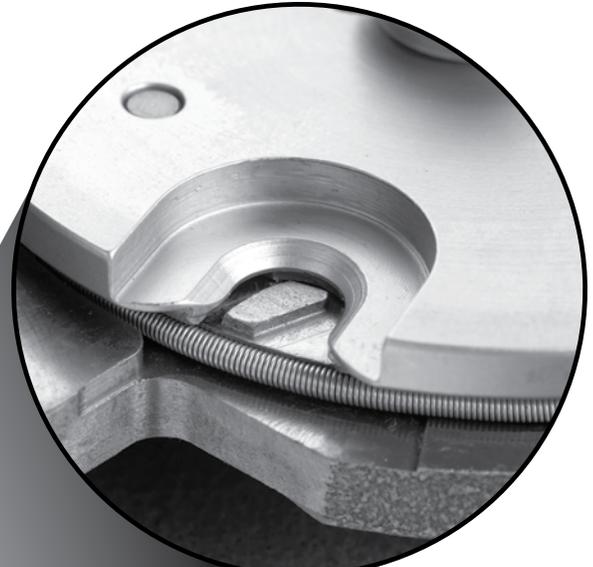


Lock-N-Load™

*Auto Progressive (AP)
Reloading Press*



With EZject™ System.



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OVERVIEW

Hornady® Lock-N-Load Auto Progressive

Your new Lock-N-Load Auto Progressive (A/P) reloading press has been packaged to insure minimal vibration and damage during transportation.

Remove all the parts from the packing box and spread them out over a large flat surface. Refer to the parts list on pages 21 and 22 and check to make sure all necessary parts are identified.

The manual provides step-by-step instructions and suggestions that make set-up and operation easy and understandable.

If at any time during operation you feel like you are forcing the press, stop and identify the problem. Do not force anything, because damage will occur. Powders and Primers are explosive if handled carelessly! Always work slowly and carefully without distractions and wear eye protection. Try to avoid touching primers with oily fingers. The oil on your fingers may contaminate the primers and cause them to misfire.

Tools needed for assembly and set-up:

7/16" End Wrench

(2) 1/2" End Wrenches

15/16" End Wrench

3/32" Hex Wrench (included)

1/8" Hex Wrench (included)

5/32" Hex Wrench

Needle Nose Pliers

Electric Drill

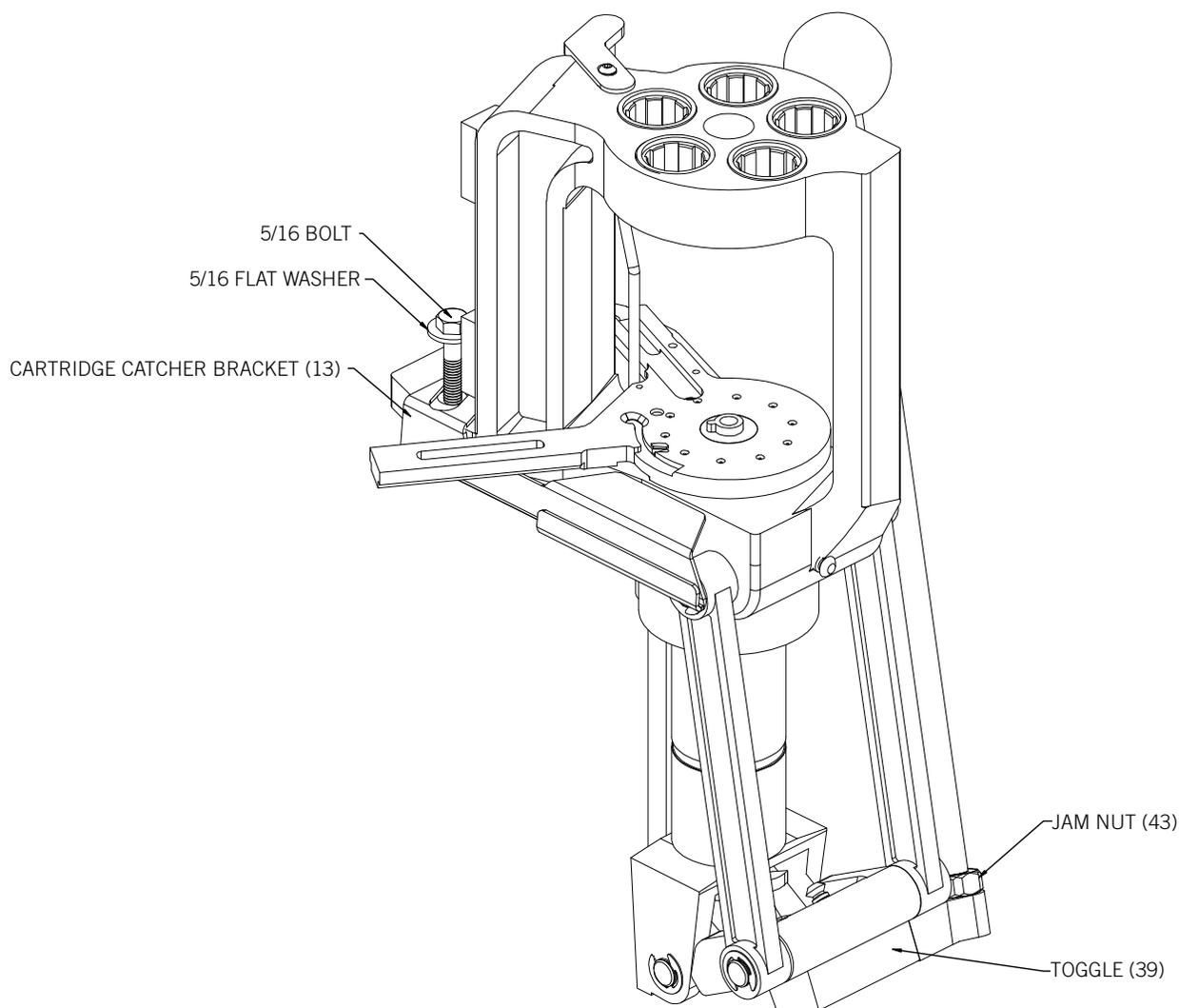
5/16" Hex Wrench

INSTRUCTIONS

Step 1: Mounting the Lock-N-Load Auto Progressive

- Your work area should be well lit and have plenty of room for your reloading accessories. Your Hornady Lock-N-Load AP should be mounted securely 2 1/4 " from the edge of a solid level bench. (Check for obstructions on or below the bench before you drill any holes.)
- Mount the press using (2) 5/16" bolts that are long enough to secure the press to the bench with plenty of clearance for the nuts. (*Due to variation of benches these bolts are not provided.*) We also recommend using 5/16" flat washers top and bottom, in addition to lock washers on the bottom side.
- Insert and secure the right-hand mounting bolt first. Next, insert and secure the left-hand bolt, placing the cartridge catcher bracket (13) underneath the bolt head and washer before tightening.
- Thread the press Handle (44) into the Toggle (39) at the bottom of the press and tighten the Jam Nut (43) using a 15/16" wrench.

Figure 1: AP Mounting



* Hornady shell plates that are sold in the plastic boxes are the only ones that will fit the AP Press with EZject™ System. These shell plates (which are sold separately) are manufactured with a groove on the bottom side.

SHELL PLATES

Step 2: Determine which shell plate is required for your application



See Chart 1 below to help with this selection.

SHELL PLATE NO. 1 Item No. 392601	SHELL PLATE NO. 2 Item No. 392602	340 Wby. Mag. 350 Rem. Mag. 358 Norma Mag. 375 Rem. Ultra Mag. 375 H&H 416 Rem. Mag. 458 Win. 450 Marlin 300 RCM 338 RCM 375 Ruger 416 Ruger 458 Lott	SHELL PLATE NO. 12 Item No. 392612	SHELL PLATE NO. 19 Item No. 392619	SHELL PLATE NO. 33 Item No. 392633	
5.6x57 22/250 Rem 22-250 Ack Imp 240 Wby. 243 Win. 244/6MM Rem 6MM Int. 6MM/284 6MM Rem Br 250 Sav.. 25/06 Rem 257 Rbts.. 25/284 260 Rem 6.5 Rem Mag 6.5/06 6.5 x 57 6.5/284 6.5 Creedmoor 270 Win. 7x57 (7MM mau.) 7MM/08 7MM Rem. BR 7x64 7MM Exp/280 280 Rem 280 Rem Ack Imp 284 Win. 300 Sav. 308 Win. 30 TC 30/06 Springfield 338 Federal 7.7 Jap. 7.92x33MM Kurz 8MM Mau. 8MM /06 8x60 S 338-06 35 Whelen 358 Win. 9.3x57 9.3x62 400 Cor-bon 44 Auto Mag. 45 Win Mag 458 SOCOM. 450 Bushmaster	219 Zipper 5.6x52R 22 Sav. HP 25/35 Win 7x30 Waters 30/30Win 30/30 Ack Imp 30 Herrett 32 Win. Spl. 8.15x46 R 357 Herrett 38-55 Win 375 Win 7.5 Swiss 32/40 Win 357 Herrett 38-55 Win 375 Win 7.5 Swiss 32/40 Win 357 Herrett 38-55 Win 375 Win 7.5 Swiss 32/40 Win	SHELL PLATE NO. 6 Item No. 392606	SHELL PLATE NO. 13 Item No. 392613	SHELL PLATE NO. 22 Item No. 392622	303 Sav. 307 Win. 356 Win.	
			25 Rem. 6.8 Rem. SPC 30 Rem. 32 Rem.	6.5 x 55 Scand (Swedish) SHELL PLATE NO. 27 Item No. 392627	SHELL PLATE NO. 35 Item No. 392635	
			30 M1 Carbine 32 ACP 7X65 R 7x57 R 9.3x74 R	5.7 Johnson Spitfire 30 M1 Carbine 32 ACP SHELL PLATE NO. 23 Item No. 392623	223 WSSM 243 WSSM 25 WSSM 270 WSSM 7x61 S&H 7MM WSM 300 WSM 325 WSM	
			SHELL PLATE NO. 14 Item No. 392614	SHELL PLATE NO. 27 Item No. 392627		
			30/378 Wby. Mag. 33 Win. 338/378 Wby. 378 Wby. Mag. 416 Wby. Mag. 460 Wby. Mag. 45/70 Govt. 480 Ruger/475 Linebaugh	308 Marlin Express 309 JDJ 375 JDJ 444 Marlin SHELL PLATE NO. 28 Item No. 392628	SHELL PLATE NO. 36 Item No. 392636	
			SHELL PLATE NO. 16 Item No. 392616	SHELL PLATE NO. 29 Item No. 392629	SHELL PLATE NO. 39 Item No. 392639	
			17 Rem. 17 Rem. Fireball 17/222 17/223 220 VT 20 Tactical 204 Ruger 221 Rem. 222 Rem. 222 Rem. Mag. 5.6x50 Mag 223 Rem. 6MM/223 6x47 Rem 6MM TCU 6.5MM TCU 7MM TCU 7MM/223 Ingram 7x47 Helm 380 Auto	444 Marlin SHELL PLATE NO. 28 Item No. 392628	32 S&W Long/Short/H&R SHELL PLATE NO. 40 Item No. 392640	
			SHELL PLATE NO. 17 Item No. 392617	SHELL PLATE NO. 30 Item No. 392630	50 A&E	
			218 Bee 25/20 Win. 32/20 Win.	308 Marlin Express 309 JDJ 375 JDJ 444 Marlin SHELL PLATE NO. 28 Item No. 392628	SHELL PLATE NO. 44 Item No. 392644	
			SHELL PLATE NO. 18 Item No. 392618	SHELL PLATE NO. 31 Item No. 392631	500 S&W	
			22 PPC 22 RCFM-Jet 256 Win. 6MM PPC 7.62x39 38/357/357 Max.	41 Mag SHELL PLATE NO. 30 Item No. 392630	SHELL PLATE NO. 45 Item No. 392645	
			SHELL PLATE NO. 7 Item No. 392607	6.5x68 8x68 S 357/44 B&D 44 Spl./44 Mag. 445 Sup Mag 7.5 Swiss	SHELL PLATE NO. 46 Item No. 392646	
			22 Hornet 22-K Hornet 270 Rem	445 Sup Mag 7.5 Swiss SHELL PLATE NO. 31 Item No. 392631	460 S&W	
			SHELL PLATE NO. 3 Item No. 392603	SHELL PLATE NO. 32 Item No. 392632		
			220 Swift 225 Winchester 6.5 JDJ 7MM Merrill 30MM Merrill	45 Auto Rim SHELL PLATE NO. 32 Item No. 392632		
			SHELL PLATE NO. 4 Item No. 392304	45 Colt 454 Casull		
			30 Luger 30 Mauser 9MM Luger 9x21 9x18 Makarov 38 Super Auto 9x23			
			SHELL PLATE NO. 5 Item No. 392605			
			257 Wby. Mag. 6.5 Rem. Mag. 264 Win. Mag. 270 Wby. Mag. 7MM Rem. Mag. 7MM Rem SA Ultra Mag. 7MM Wby. Mag. 7MM Rem. Ultra Mag. 7MM STW 300 H&H 300 Win. Mag. 300 Wby. Mag. 300 Rem. SA Ul. Mag. 300 Rem. Ul. Mag 308 Norma Mag. 8MM Rem. Mag. 338 Win. Mag. 338 Rem. Ultra Mag.	SHELL PLATE NO. 9 Item No. 392609	SHELL PLATE NO. 10 Item No. 392610	SHELL PLATE NO. 46 Item No. 392646
			SHELL PLATE NO. 8 Item No. 392608			
			38/40 Win. 44/40 Win.			
			SHELL PLATE NO. 9 Item No. 392609			
			357 Sig 40 S&W 10MM Auto			
			SHELL PLATE NO. 10 Item No. 392610			
			SHELL PLATE NO. 11 Item No. 392611			
			303 British 30/40 Krag			

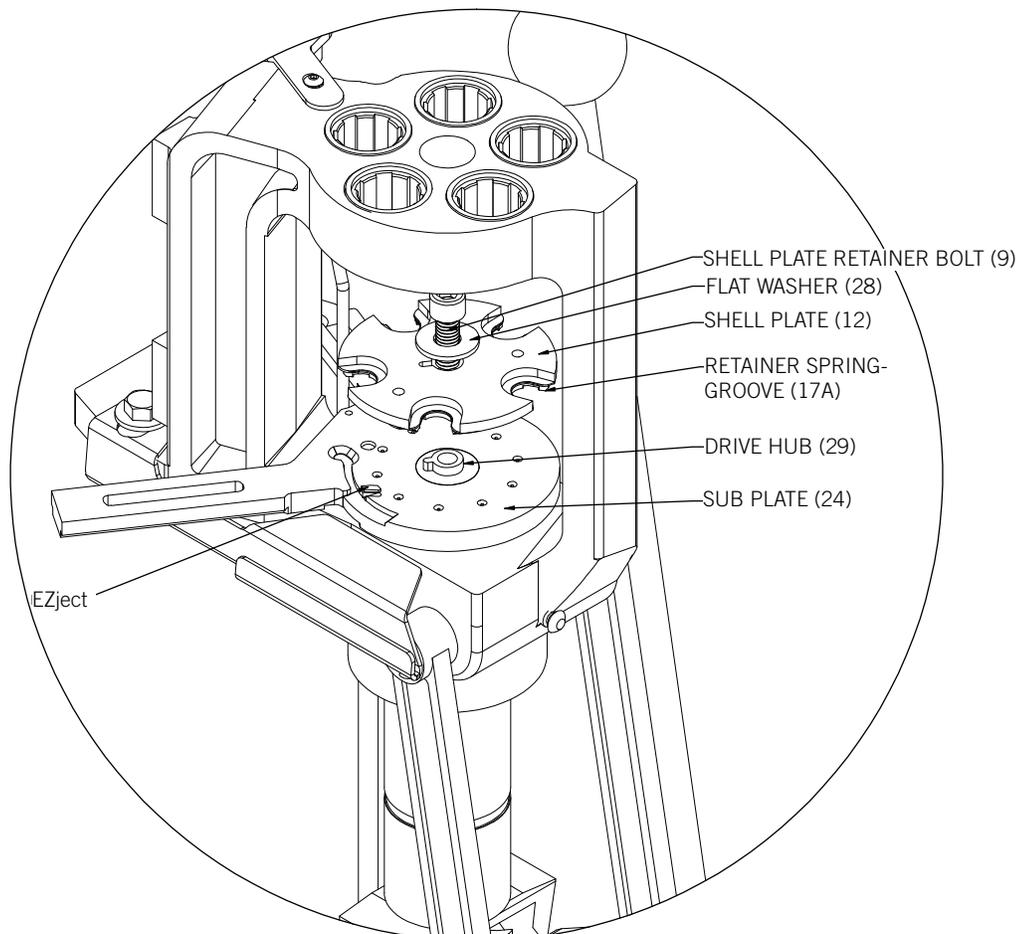


Hornady Shell Plates are sold separately.

2: Installing the Shell Plate

- Raise the Ram approximately 2" and place Block under Sub Plate (24). This disengages the Index Pawls (32), and allows for free rotation of the Shell plate.
- Put a small amount of general-purpose grease on the Shell Plate Ball Detents located on bottom side of Shell Plate (12), and on the top surface of the Sub-Plate (24).
- Align the Shell Plate* with the keyed Drive Hub (29).
- Place the 3/8" Shell Plate Retainer Bolt (9) thru the 3/8" Flat Washer (28), (large end up) and thread the bolt into the Drive Hub (29).
- Tighten the bolt (9) using a 5/16" Allen wrench, only tight enough to prevent it from coming loose.
- Stretch the Case Retainer Spring (17) over the top of the Shell Plate (12).
- Remove Block from under Sub-Plate (24) and make sure it is in the Retainer Spring Groove (17A).
- While cycling the Press, push the Case Retainer Spring (17) into the relieved area on the Sub-Plate (24). You will have to cycle the press a couple of stations to receive these results.

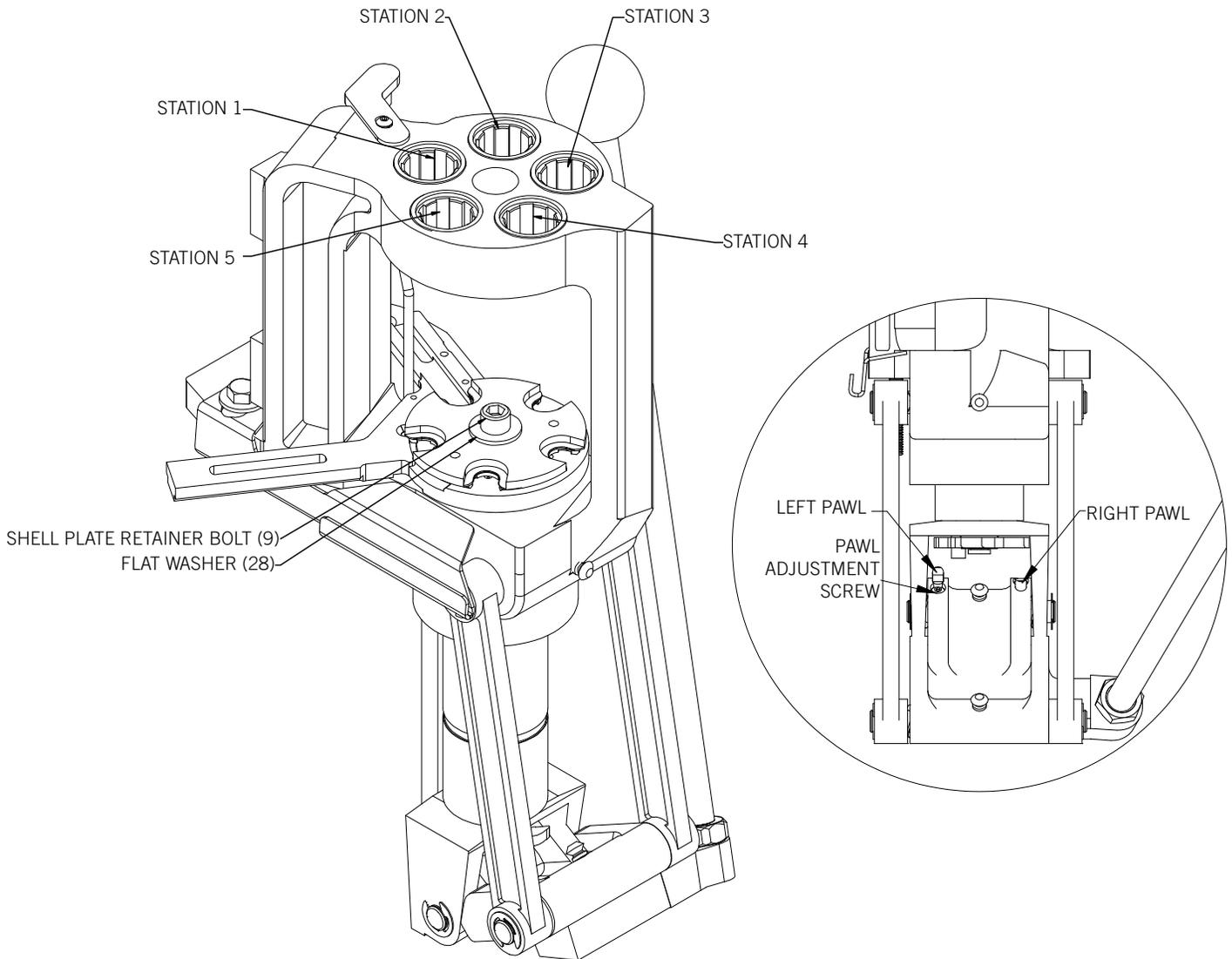
Figure 2: Installing Shell Plate



- Check to make sure the Drive Pawls (32) are properly timed, by cycling the press with the handle. A properly timed press will rotate the Shell Plate so the Ball Detents on the Shell Plate always engage the recesses in the Sub Plate.

When properly adjusted, it is not necessary to assist the Shell Plate to rotate into the Detents, and you should not feel a double click on the handle of the press as it indexes. (If the adjustment is too long it is normally felt as a double click on the handle of the press. You may have to cycle the press very slowly to feel this.) The pawl engagement is set at the factory and very seldom requires adjustment by the user.

Figure 3: Removing Shell Plate



2B: Removing the Shell Plate

- Use a 5/16" Allen wrench to remove the Bolt (9) and to remove the shell plate.
- Remove the Case Retainer Spring (17).

SHELL PLATE TROUBLESHOOTING

- If the timing is severely out of adjustment, the Index Pawls (32) may have been damaged as outlined on page 6.
- If the Shell Plate does not rotate freely after mounting, check for these conditions:
 - You may be trying to use the wrong version of shell plate. Your shell plate must have a groove cut on the bottom side.
 - Dirt or debris between the shell plate and the drive hub.
 - The Ball Detent bodies are not below flush on the underside of the Shell Plate.
 - The Shell Plate is warped or damaged.
- If you reach a point where you cannot get the press to work, please call our technical service staff at 800-338-3220 or email webmaster@hornady.com.

Step 3: Operation of your Lock-N-Load Auto Progressive Press

The Hornady Lock-N-Load AP utilizes a high strength aluminum alloy frame with a compound linkage system which operates the 2" diameter cylindrical ram. The Ram houses a drive shaft that is attached to the shell plate at the upper end and the index wheel at the lower end. The toggle contains two spring actuated pawls which alternately engage the index wheel to advance the shell plate through the different reloading stations.

As the handle is lowered, the right Pawl contacts the Index Wheel, advancing the Shell Plate during the first 1 1/2" of upward travel of the Ram. With this upward travel, the cases become aligned with the dies at the top of the Press. As the Shell Plate comes to the top of the press, it guides the cartridge cases into the five die stations to perform the reloading operations except priming.

The handle is then raised to complete the stroke, lowering the Shell Plate. When the Shell Plate comes to within 1 3/4" of the bottom, the left Pawl engages the Index Wheel which advances the Shell Plate into position over the primer to seat it into the case that was just sized and de-primed. Pushing back on the handle with moderate force will seat the new primer into the case.

Once the dies are in place, and all stations are filled, the proper sequence for reloading is listed below.

- Place an empty case into station one. (Using the optional LNL-AP Casefeeder, this step is automatically done for you.)
- Insert bullet into the powder charged case in station four.
- Lower the handle.
- Powder drops into the newly primed case at station three.
- Raise the handle and seat a new primer in the de-primed case that has now moved to station two.
- Loaded cartridge is automatically ejected at station five when handle is raised.

Step 4: Automatic Primer Feed Assembly

4A: Installing the Primer Body.

- Place the aligning pin, located on the underside of the Primer Body (14) in the hole on the Sub-Plate (24) located next to the Primer Slide (15).
- Insert the cap screw (11) thru the hole of the Primer Body (14) and screw it into the Sub-Plate (24).
- Rotate the Primer Body (14) Counter Clock Wise (CCW) towards the loader against the bolt and tighten the bolt.

4B: Installing the Primer Slide, Large or Small

- Lower the handle (44).
- Place a 2" spacer under the Sub-Plate (24). A 4" section of a 2" wide wooden block works well.
- Place the Primer Slide (15) (flat side up) in the groove on the Sub-Plate (24) and slide forward. *The bump on the bottom side of the slide is the travel stop as well as an alignment guide while the slide is in the retracted position.*
- Attach the Spring (16) to the Sub-Plate (24) with the open end up (you may need to use needle nose pliers). Attach the other end of the Spring to the pin on the Primer Slide.

4C: Installing the Primer Punch Assembly, Large or Small

- Raise the Ram (37) to the top of the stroke.
- Screw the Primer Seater Punch (26) into the Sub-Plate (24) from the bottom side.
- Tighten the Primer Seater Punch assembly (26) until it is snug using a wrench. **(Do not over tighten the Primer Punch)**

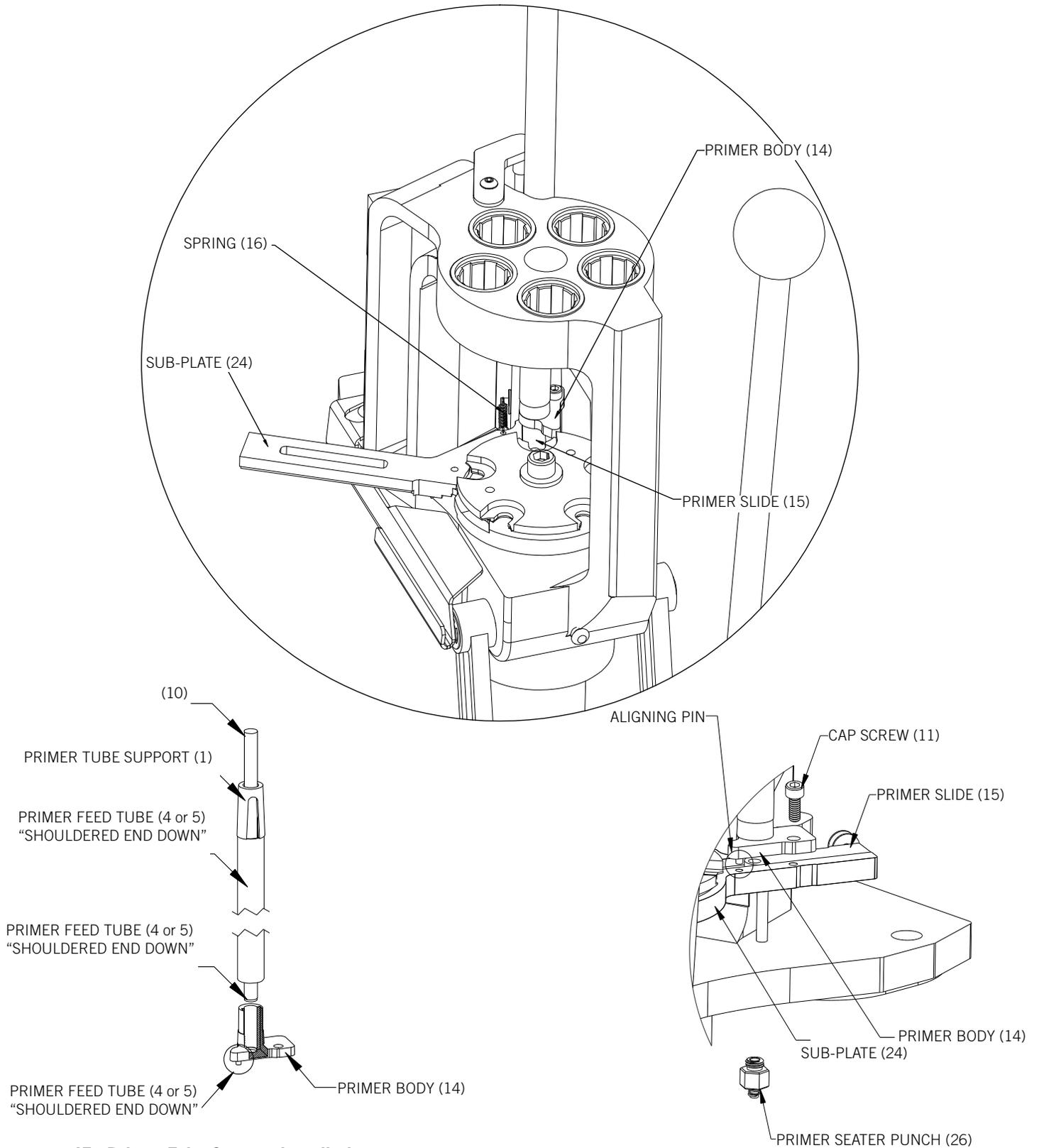
4D: Installing the Primer Tubes

- Place the tube of your choice (large or small primers) (4 or 5) in the center hole of the Primer Body (14) with the shoulder section of the tube facing down. Make sure the tube is fully seated in the Primer Body.

4E: Installing the Primer Tube Housing

- Slip the threaded end of the Primer Tube Housing (6) over the Primer tube (4 or 5) and onto the Primer Body (14).
- Screw the Primer Tube Housing (6) on to the Primer Body (14) Clock Wise (CW). Snug the tube by hand.

Figure 4: Primer Feed System



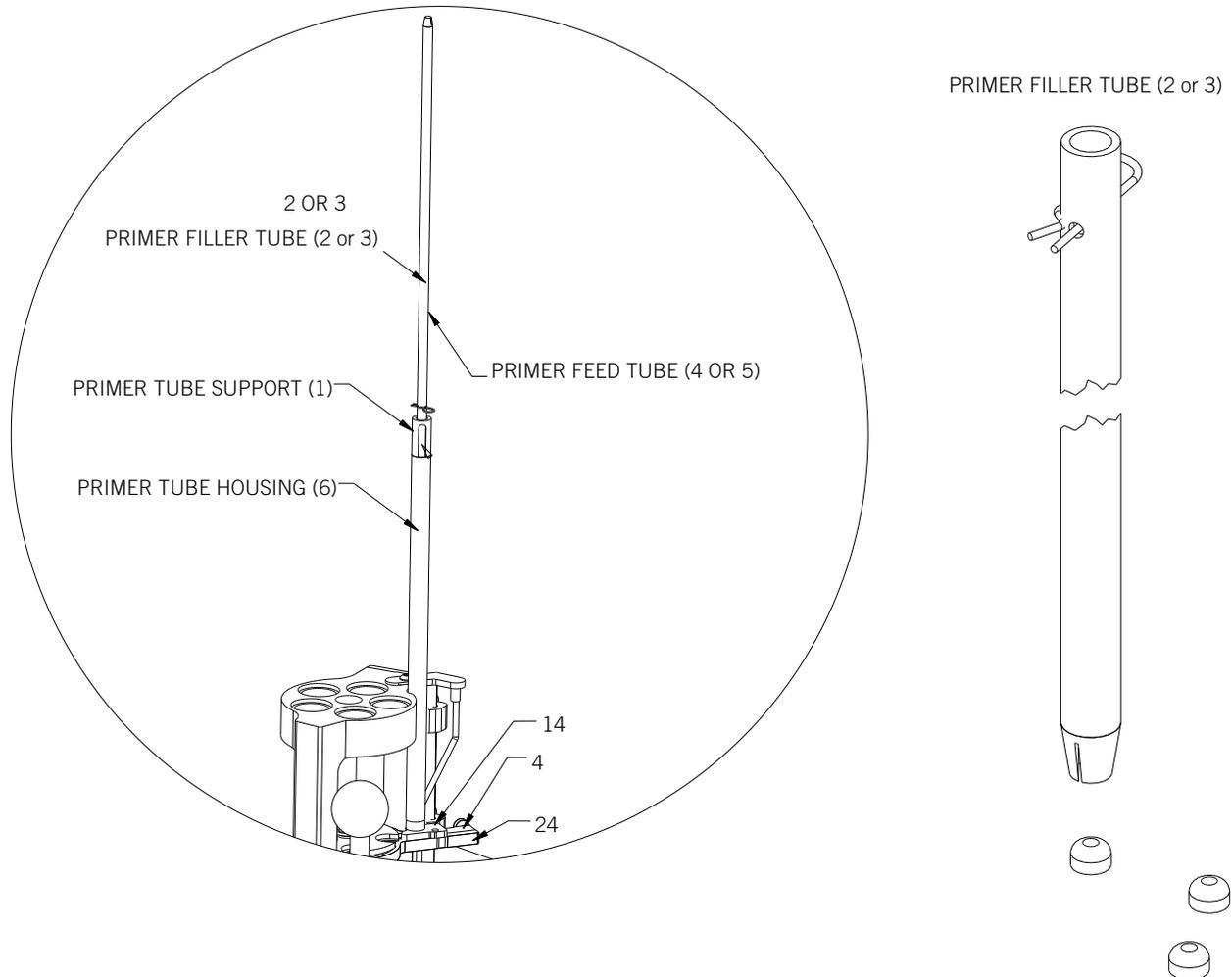
4F: Primer Tube Support installation

- Place the Primer Tube Support (1) over the Primer Tube (4 or 5) and slip the three Tapered “Fingers” inside the Primer Tube Housing (6). This will create a recess that allows the Primer Filler Tube (2 or 3) to properly align with the Primer Feeder tube during refillings.

Step 5: Loading the Primer Tube

Refer to Step 4D for Primer Tube installation instructions.

Figure 5: Filling the Priming System



Carefully transfer the primers out of their factory package into a Hornady Primer Turning Plate and orientate them “shiny side up.” Then holding the Primer Filler Tube (2 or 3) like a pencil bring the plastic primer pick up tip over each primer and gently press it over the primers. The primers will be pushed into the filler tube one on top of another. Continue loading the primer filler tube until you have picked up approximately 100 primers.

Make sure the cotter pin is in place; turn the Primer Filler Tube upside down. At the top of the exposed Primer Filler Tube, there may be several primers still held and visible. Gently shake the tube to release the primers.

Align the Filler Tube (2 or 3) to the Primer Tube (4 or 5) using the Primer Tube Support (1). Remove the cotter pin from the filler tube (2 or 3) and fill the Primer Tube (4 or 5). The capacity of the primer tube is 100 primers. ***Do not over fill the primer tube.***

Insert the Primer Fouler (10) into the Primer Tube (4 or 5). This will help the primers feed more reliably.

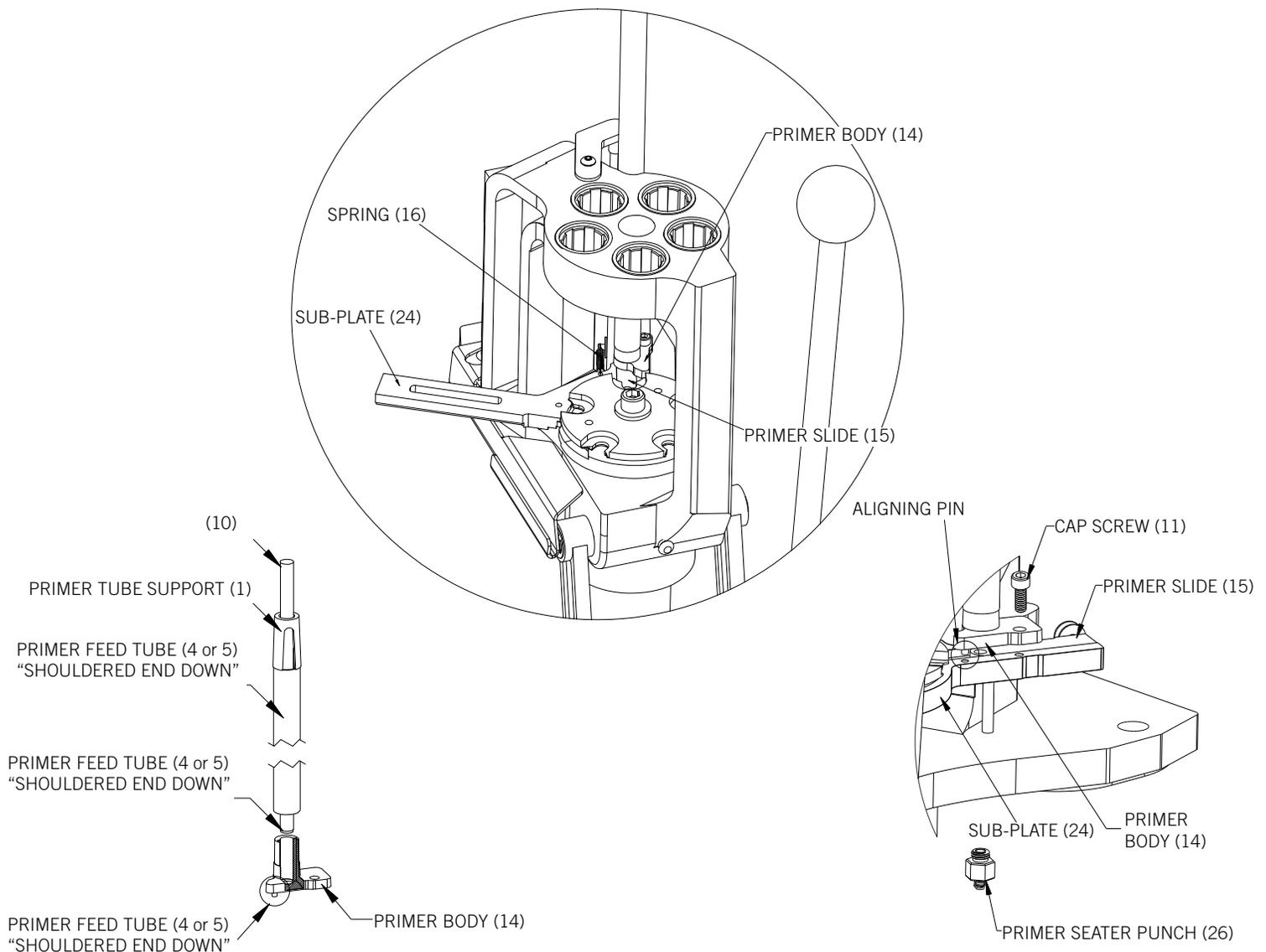
Step 6: Changing Primer Tubes

When changing to a different size of primer, you need to change the Primer Tube (4 or 5), Primer Slide (15) and Punch Assembly (26).

If there are primers in the Primer Feed Tube you will need to empty it before changing the tubes. Remove the Cap Screw (11), hold your cupped hand under the Primer Tube and rotate the Primer Feed Body Assembly (CW) to catch the primers. After the tube is empty, rotate the body back in place and re-install the mounting screw. *Refer to Step 4 for more details.* Disconnect the primer feed spring from the roller pin and remove the Primer Slide Assembly (15). Remove the Primer Tube Support (1) and the Primer Tube (4 or 5).

If the primer tube is empty, there is no need to take the primer feed assembly off of the sub-plate. Remove the Primer Feed Support (1), Primer Tube (4 or 5), disconnect the Primer Feed Spring (16) and remove the Primer Slide (15) and Punch Assembly (26). Reinstall the primer system for your application (Refer to Step 4). Fill the primer tube as previously described (Refer to Step 5).

The Primer Punches (26) are installed from the bottom side of the Sub-Plate (24). Raise the Ram (37) to the top of the stroke. Use a wrench to loosen the Primer Punch (26) and unscrew it from the Sub-Plate (24). When installing a new Primer Punch (26), tighten it snug with a wrench. ***Do not over tighten the Primer Punch.***



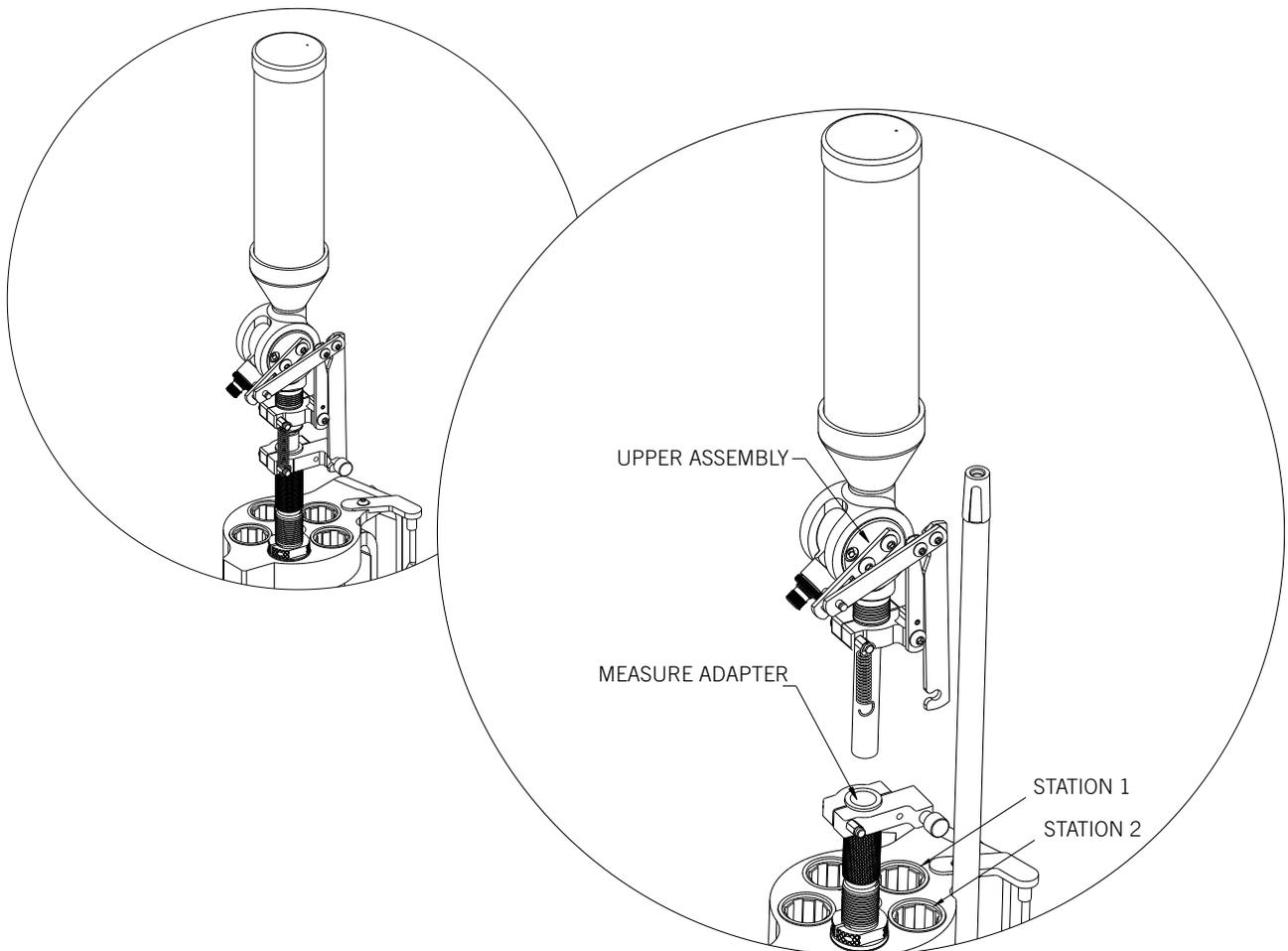
Step 7: Automatic Primer Feed Inspection

It is not necessary to install the primer tubes at this time to test your loader, but you must install the Primer Body (14). Lower the Primer Slide so that it stays in place. See step 4A for instructions on installing the Primer Body (14).

At this point you should have installed a Shell Plate and the corresponding Primer Seater Punch (26) and Primer Slide (15) for the cartridge for which you are loading.

Step 8: Installing the Lock-N-Load Powder Measure with Case Activated Powder Drop.

Figure 6: Lock-N-Load Powder Measure



The Lock-N-Load Powder Measure combines with the Case Activated Powder Drop to mount on-top of the Lock-N-Load A/P in station 2 or 3. The L-N-L Powder Measure that was shipped with the press has been factory fitted with the case activated Powder Drop.

* This press comes packaged with the Standard Rotor & Standard Metering Insert and the Pistol Rotor & Pistol Metering Insert.

Refer to the Lock-N-Load Powder Measure and Case Activated Powder Drop instructions for cleaning and functionality. (These instructions are included).

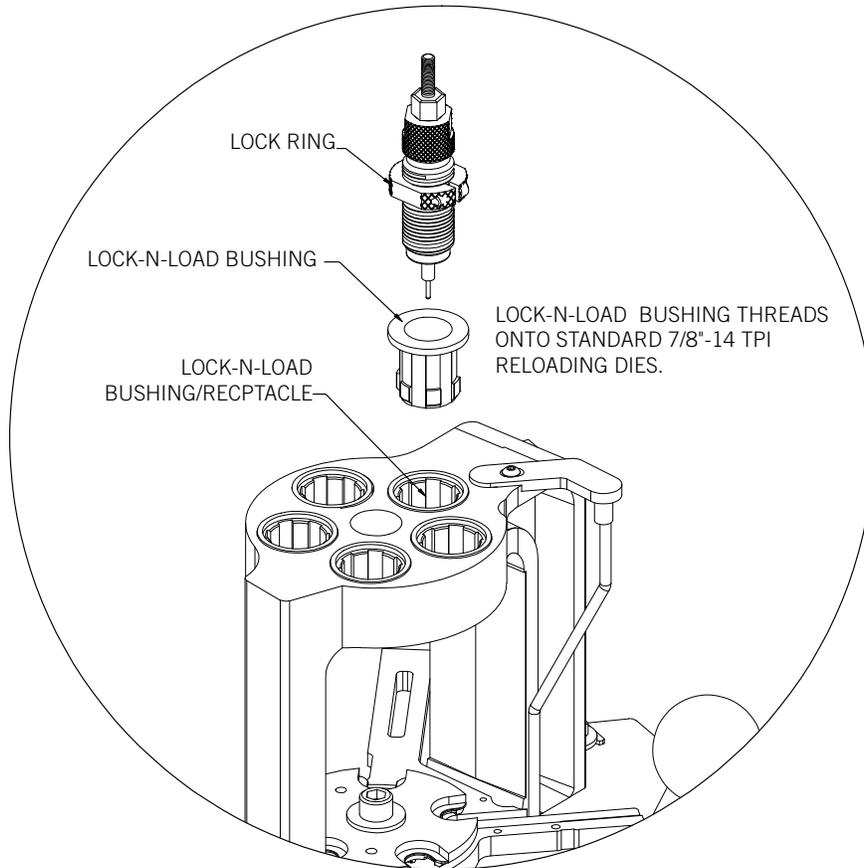
Step 9: Lock-N-Load quick change bushing system

The Lock-N-Load system is based on the positive locking action of the bolt action rifle. Just like the bolt action rifle, the locking action is incredibly strong and simple.

Once the dies and the powder measure are adjusted for loading, these settings are locked in place by tightening the Lock Ring that is provided with all Hornady dies and powder measures.

How the Lock-N-Load works:

Figure 7: Hornady Lock-N-Load System



- Insert the Lock-N-Load bushing into the press and turn it Clock Wise (CW) to lock it in place.
- Adjust the die to the desired position and lock the setting in place with the die's lock ring.

Once Lock-N-Load bushings are installed, Dies and Powder Drop can be removed from the press with a quick counterclockwise (CCW) turn. Since the Lock-N-Load bushing is locked in place, the dies and the Powder Drop remain set exactly as you left them.

For added speed and convenience, Hornady offers inexpensive Quick Change Powder Dies for use with the Case Activated Powder Drop.

Step 10: Die Mounting Instructions

For initial die cleaning and set-up instructions, please refer to the instruction sheet that came with your die set.

Please Note: The Hornady Lock-N-Load Auto Progressive with EZject™ System can use any brand of die.

Hand loading is very safe, but before reloading any case please read the following warnings.

- Primers may explode if subjected to impact or heat.
- Keep away from the opening end of the Primer Tube at all times.
- Variations may occur with different brands and condition of cartridge cases, which can cause inconsistent primer and bullet seating. Sort and inspect all of your cases before reloading.
- Verify your powder charges at frequent intervals to insure consistency.
- Careless or improper hand loading techniques can result in serious personal injury. Make sure there are no distractions while you are reloading.
- Before operating this press, be sure you have read and understand all the instructions contained in this manual, and that you understand the principals of hand loading.

Step 11: Preparing to Load

To begin reloading, start with a single empty cartridge case and run it through all of the loading stations (see Step 3 for details). This will allow you to check your adjustments. *Refer to instructions provided with the die set for set up and proper adjustment.*

- Sizing a case.
 - Make sure the sizing die is adjusted properly, and the de-priming pin knocks out the old primer.
- Seating a primer.
 - Check and make sure the Primer Slide (15) picked up a primer from the Primer Tube (4 or 5).
 - When you cycle the press and the handle comes to a stop, you will have to push the handle away from you past the stop to seat the primer. Push until it stops but don't force it. Seating the primer requires a firm push.
 - Lower the handle of the press slowly to rotate the shell plate to start the next operation. If there is resistance on the shell plate, the primer is improperly seated and not allowing the Shell Plate to rotate.
- Drop powder in the case using the case activated powder drop.
 - Verify the weight on a properly calibrated scale.
- Seat a bullet in the powder charged case.
 - Begin lowering the handle to rotate the shell plate to this station.
 - Place a bullet on top of the case and lower the handle the rest of the way. (You may need to position the bullet over the case neck between your thumb and forefinger until the bullet enters the alignment sleeve).
- Station 5. (Refer to illustration on page 6.)
 - This station is used for a Taper Crimp Die when reloading pistol cartridges that headspace off the case mouth.
 - * Any manufacturer's Taper Crimp Die will work in Station 5 with the AP's EZject™ System.
 - Properly adjusted, a taper crimp die removes all case-flare from the expander die without damaging or squeezing into the bullet.

Next, lower the handle, advance the shell plate to the next station. The loaded round will rotate and contact the EZject™ System underneath the shell plate. This EZject™ System will automatically eject the loaded round from the press. Never force the handle. Measure the case for proper length and check it against the data in your reloading book.

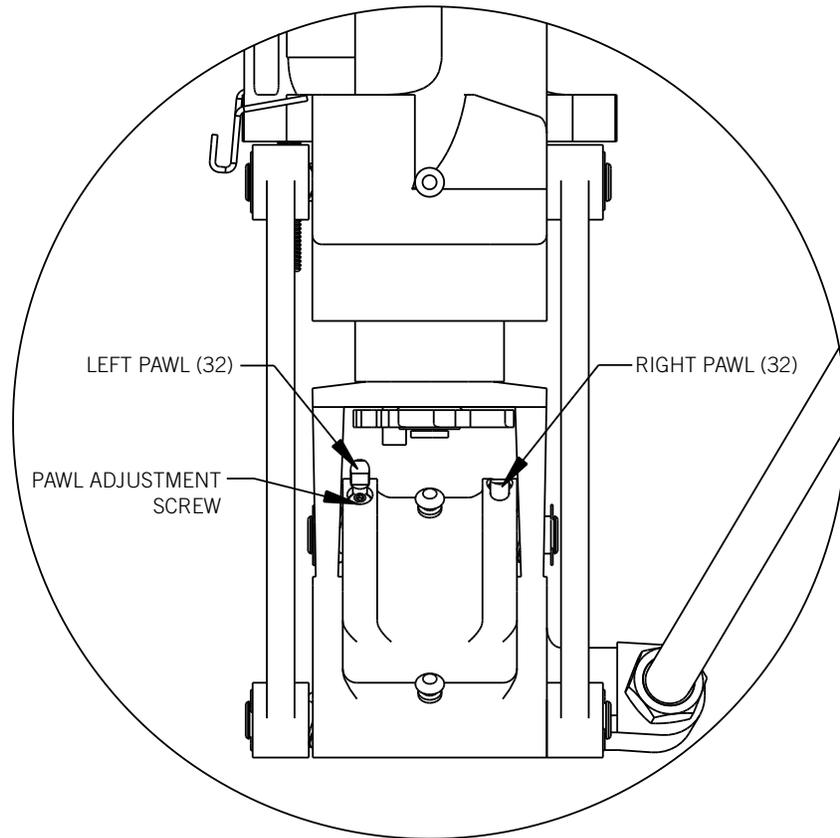
Once you are satisfied with the first completed cartridge, repeat the process with another single case, advancing slowly from station to station until you eject the finished cartridge from the press with the case ejector.

After you are comfortable, load the press with consecutive cases for reloading. **Do not rush!** After you advance the cases through each station, inspect everything to insure proper function at each station. If anything looks out of place, or if you lose track of what you are doing, **STOP!** Remember, it's safer to begin slowly than it is to assume you need to reload a large number of cartridges during each session. Don't force the handle at any time, and be sure that all mechanical parts are properly lubed.

SAFETY NOTE: Be safe! Double check your powder loads at frequent intervals to insure the powder charge is working properly.

Step 12: Adjusting the Auto Advance Mechanism

Figure 8: Pawl Adjustment



The Auto Advance Mechanism is fully adjusted at the Hornady factory and should not require further adjustment. In the event that you feel your shell plate is not advancing properly, check all other options listed in this manual before attempting to adjust the mechanism's pawls.

All adjustments should be made in extremely small increments.

Through everyday use, the pawls on your press may gradually wear and may need to be adjusted to compensate for this wear. Before making adjustments, you should understand what each pawl does.

As the operating handle is lowered and raised through a complete cycle, each pawl in turn engages the index wheel at the bottom of the press. The index wheel is connected through the driveshaft to the shell plate. As each pawl engages the index wheel it advances the shell plate either at the top or bottom of the cycle.

The right pawl (as you face the press) advances the shell plate as the ram travels up when the handle is pulled down. The left pawl advances the wheel on the down stroke of the handle and should advance the shell plate to the detent holes in the sub-plate. If the shell plate doesn't advance enough on the down stroke of the ram, only the left pawl needs adjustment.

The right pawl is too low if the shell plate stops short of the detent, which can be felt as you rotate the shell plate into place by hand in a clockwise direction (CW). If the pawl is too high, you will feel a slight double click on the handle as the pawl disengages and the shell plate is locked into place by the detents.

The same is true for the left pawl which indexes on the up stroke of the handle (down stroke of the ram.) Likewise, if the plate doesn't advance far enough on the up stroke of the ram, only the right pawl needs to be adjusted. Don't assume that both pawls need adjusting.

Do only one pawl at a time to keep from becoming confused.

The height of each pawl determines how far the shell plate will advance when that pawl comes in contact with the indexing wheel. To adjust the pawls, increase the height of the chosen pawl to increase the advancement of the shell plate in that direction. Or decrease the height of the pawl to decrease the shell plate advancement in that direction.

There is a set screw on each pawl, refer to (Figure 8).

- Turn the set screw clockwise (CW) to lower the pawl.
- Turn the set screw counter clockwise (CCW) to raise the pawl.

Become familiar with these pawls from the onset and see how they operate. You will then find it much easier to adjust the pawls, should you need to do so in the future.

MAINTENANCE OF THE LOCK-N-LOAD A/P

As with all machinery, proper routine maintenance will provide smooth operation and a longer life for your reloading press. Check all moving parts for dirt or spilled powder and remove with a clean shop rag.

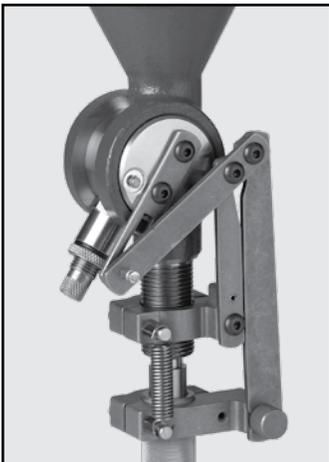
Remove the primer slide, shell plate and clean the spilled powder under it. After cleaning, lubricate the sub-plate in the area of the detents, drive hub and sub-plate with one or two drops of light grade machine oil or Hornady One Shot Gun Cleaner and Dry Lube. The primer slide is permanently lubricated and needs no oil.

Lightly lube the index wheel, and pawls. Hornady One Shot Gun Cleaner and Dry Lube is excellent here. It is a dry lube, so stray powder won't stick to it while you're reloading.

TIPS FOR TROUBLE-FREE OPERATION

PROBLEMS	SOLUTIONS
Powder dropping around case	Correct bushing in place? Powder drop tube and measure adapter clean? Bushing installed deep counter sink side up?
No primer in case	Primer slide properly adjusted? Correct primer punch installed? Primer slide spring in place? Correct Primer Slide installed? Primer Body rotated CCW when installed?
Shell Plate will not advance or does not index on station	Primer not fully seated? Pawls correctly adjusted? Make sure you have the latest shell plate version with the groove on the bottom side.
Cases do not feed into Dies	Die mouths beveled? (if not, return to manufacturer for repair.) Pawls timed correctly?
Gun Powder is sticking in the powder measure, or inconsistent charge weights	Is the inside surface dry and clean? Try pouring a little powdered graphite thru the powder measure for lubricant. Rub the outside of the powder hopper with a dryer sheet to eliminate static.
Case retainer spring won't fall off the shell plate or it is getting kinked	Is there a burr on the shell plate where the spring groove and the case location meet? Is there a burr on the sides of the slot on the sub-plate? (With a casefeeder, when you are setting up the timing do not run the case into the spring if the spring is up on the shell plate.)

OPTIONAL ACCESSORIES FOR YOUR LOCK-N-LOAD AP



CASE ACTIVATED POWDER DROP

The Case Activated Powder Drop has been engineered with quick change-overs in mind. The retainer spring offers smooth function and the powder drop only dispenses a powder charge when a case is present. Works with the L-N-L AP or other progressive presses that use 7/8" x 14 threads.

No. 050073

Install on your progressive press after the powder drop station to automatically check dropped charges. Checking powder charges on your progressive press can be difficult, and is sometimes ignored, even though it's a smart practice. Hornady uses a similar device on our own ammo manufacturing presses. It won't replace careful attention, but helps monitor the reloading process. Works with all powder types and calibers.

No. 050063



**HORNADY
POWER COP**

Designed specifically for use with our Case Activated Powder Drop, this accessory makes changing over your L-N-L AP faster and easier than ever! It allows you to preset dies for the quickest caliber conversion on the market. Includes lower bracket with guide bushing and lock ring.



QUICK CHANGE POWDER DIE

Our Powder Through Expanders (above) work great with the Quick Change Powder Die. **No. 050074**

POWDER THROUGH EXPANDERS



Powder Through Expanders (PTX) are designed to work in conjunction with the Case Activated Powder Drop, these new Expanders eliminate the need for a separate case mouth expander die on the L-N-L AP progressive press (Hornady suggests you fill that station with the powder cop die, so you can ensure that each case is properly charged with powder.)

.355 No. 290040

.357 No. 290041

.400 No. 290042

.430 No. 290043

.451/452 No. 290044

.475 No. 290045

.500 No. 290048

* For use with Case Activated Powder Measure only.

LOCK-N-LOAD™ DIE AND CONVERSION BUSHINGS



Simply thread a Hornady Lock-N-Load™ Conversion Kit into your RCBS® Rock Chucker or other reloading press using a 1¼-12 thread, and you're ready to start using the Lock-N-Load™ System. It's the easiest way to get the most out of your reloading press. These bushings let you take advantage of Hornady's Lock-N-Load™ technology even if you own a competitive reloading press. The Lock-N-Load™ Conversion kit includes three die bushings and one conversion bushing.

Lock-N-Load Press Conversion Bushings . . No. 044095

(2-pk.) Lock-N-Load Die Bushings No. 044094

(3-pk.) Lock-N-Load Die Bushings No. 044093

(10-pk.) Lock-N-Load Die Bushings No. 044096

Lock-N-Load Conversion Kit No. 044099

BILL OF MATERIALS

ITEM NO.	PRODUCTION PART NO.	QTY.	DESCRIPTION
1	398318	1	SUPPORT PRIMER TUBE
2	398356	1	TUBE PRIMER PICKUP LARGE
3	398355	1	TUBE PRIMER PICKUP SMALL
4	398358	1	TUBE PRIMER LARGE
5	398357	1	TUBE PRIMER SMALL
6	398322	1	HOUSING TUBE PRIMER
7	392220	1	SCREW BHCS 1/4-20 X 1/2
8	392202	1	BRACKET LNLAP
9	392342	1	SHCS SS 3/8-16 X 3/4
10	398359	1	PRIMER FOLLOWER
11	392338	1	SCREW SHCS 10-24 X 1/2
12	39226_	1	SHELL PLATE
13	392455	1	BRACKET BOX CARTRIDGE
14	398319A	1	HOUSING BODY PRIMER TUBE
15	392218	1	PRIMER SLIDE LARGE ASSY.
15	392219		PRIMER SLIDE SMALL ASSY.
16	392336	1	SPRING PRIMER SLIDE
17	392363	1	SPRING CASE RETAINER
18	392210	1	CAM FEED PRIMER
19	392011	2	NUT NEX 10-32
20	190216	1	FRAME
21	392368	6	CLIP C C-50
22	480039	1	BOX CATCHER
23	392408	2	LINK LNLAP
24	398309T	1	SUB PLATE
25	390410	1	SCREW FHCS 1/4-28 X 3/8
26	398505	1	PRIMER SEATER PUNCH SMALL

ITEM NO.	PRODUCTION PART NO.	QTY.	DESCRIPTION
26	398507	1	PRIMER SEATER PUNCH LARGE
27	392467	1	SPRING COUNTER BALANCE
28	392345	1	3/8 FLAT WASHER SS
29	392355	1	DRIVE HUB
30	392356	1	DRIVE SHAFT
31	392231	2	SCREW BHCS 8-32 X 3/8
32	392344A	2	PAWL
33	392423	2	SPRING PAWL
34	392306	2	DOWL PIN 1/8 X 1/2
35	392221	2	SCREW FHCS 1/4-28 X 3/8
36	290029	1	SPENT PRIMER TUBE
37	392359	1	RAM
38	398422	3	GREASE ZERK™
39	392343	1	TOGGLE
40	392340	1	PIN YOKE
41	392424	5	SPRING WASHER
42	392417	2	PIN LINK TOGGLE
43	390027	1	NUT JAM 5/8-18
44	390657	1	HANDLE
45	480003	1	KNOB
46	392357	1	YOKE
47	392358A	1	INDEX WHEEL
48	390081	2	CLIP E 1/2
49	392302	5	LOCK-N-LOAD BUSHING MALE
50	392203	5	LOCK-N-LOAD BUSHING O-RING
51	392365	1	SPENT PRIMER TUBE PLASTIC
52	392301	5	LOCK-N-LOAD BUSHING FEMALE
53	398715	1	WASHER

**“We guarantee every one of our reloading tools and accessories for Life”
No-Risk, Lifetime Warranty**

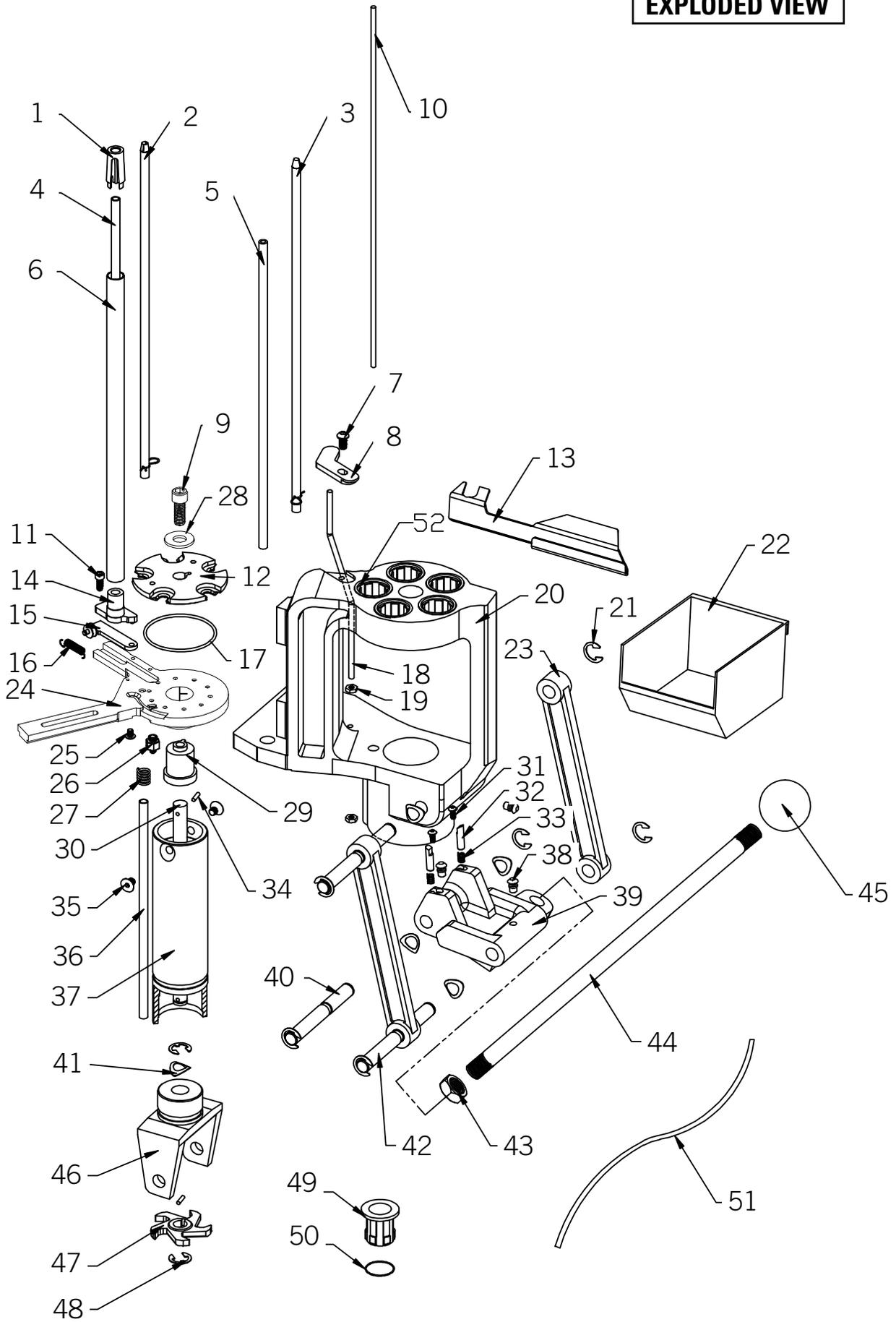
Hornady reloading tools and accessories are warranted against material defects and workmanship for the life of the products. Parts which by nature of their function are subject to normal wear such as springs, pins, bearings, etc... and, parts which have been altered, abused, or neglected are excluded for the warranty.

If the product is deemed defective by either workmanship or material, the reloading tool or accessory will either be repaired, reconditioned or replaced at Hornady Manufacturing Company’s option. **If it breaks, we’ll repair it or replace it at no charge.**

To return a product call toll free, (800) 338-3220 and ask for Customer Service. They will provide instructions for return, if the problem can’t be solved over the phone. Prices and or specifications are subject to change without notice. For the best prices on any of our products, contact your nearest Hornady dealer.

Hornady Manufacturing Company cannot assume liability for damage which may result from use of the products or information given herein, since Hornady had no control over the manner in which its products or components are used during reloading.

EXPLODED VIEW





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