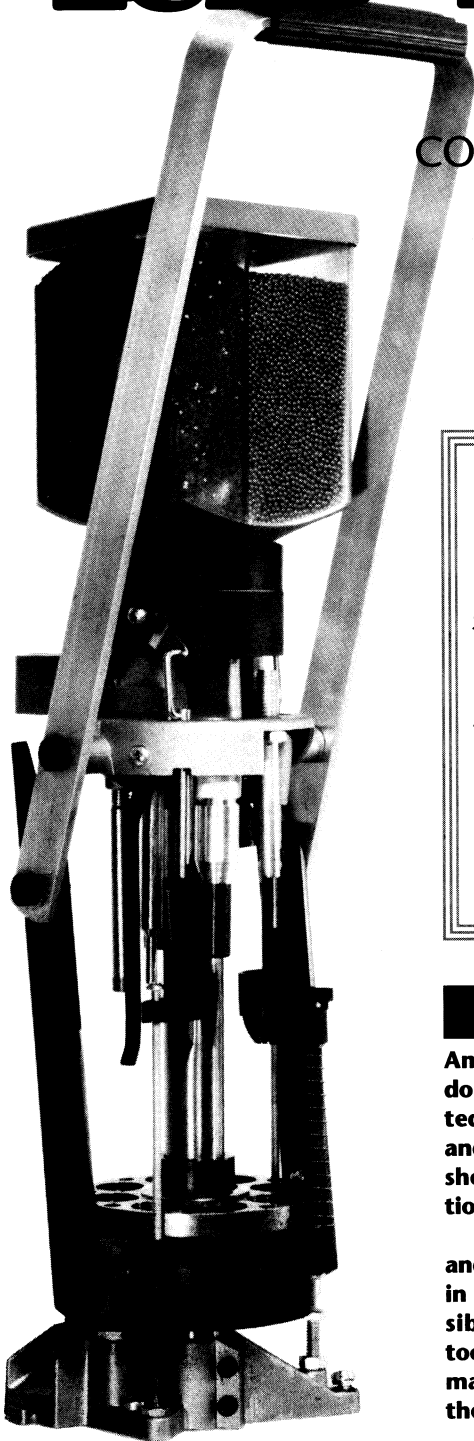


LEE

LOAD-FAST



COMPLETE INSTRUCTIONS

Guarantee

LEE RELOADING PRODUCTS are guaranteed not to wear out or break from normal use for two full years or they will be repaired at no charge. 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.

CAUTION

Ammunition reloading can be dangerous if done improperly and should not be attempted by persons not willing and able to read and follow the instructions exactly. Children should not be permitted to reload ammunition without strict parental supervision.

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 powder, like gasoline and matches, can be dangerous if improperly handled.

LF3051

LEE

LEE PRECISION, INC. 4275 HIGHWAY U HARTFORD WISCONSIN 53027

PRIMERS

Any brand of primer may be used. When using fine grained ball powder, it's best to use a primer with a covered flash hole to prevent the powder from entering the primer. This is not dangerous but may, upon firing, leak gas around the primer. It could drive the case into the chamber and disable the gun until the shell is removed with a cleaning rod.

CAUTION: To reduce the chance of mass detonation of primers in the primer feed, use only primers that have a covered flash hole.

POWDER

After determining the amount of shot you desire to use, select the powder type and proper powder and shot bushing from the charge table. Loads listed on the charge table have been compiled from load data supplied by the powder manufacturers. It has been condensed to a simplified form for use with your Load-Fast. Only loads that produce uniform results, with a variety of components, are listed.

CASES

Your Lee Load-Fast will load all types of cases with ease. However, cases made for trap and skeet shooting are designed for reloading and will reload more times before wearing out. Cases with split ends, cracked or damaged brass and holes burned in the side should be discarded. High brass case or low brass case refers only to the brass length on the outside of the case. This does not have any bearing on the strength of the case or the the load it will accept. The brass length is only a selling feature designed to impress the purchaser with the implied extra powder. The important consideration in case selection is the type of base wad. Cases with a paper base wad require slightly more powder for the same velocity. Less powder must be used in cases with plastic base wad or no base wad such as Remington RXP,

Winchester AA, Winchester Compression Formed or Federal Gold Medal. Be sure to select your load data from the proper column on the charge table.

SHOT

All of the current manufacturers of shot supply good quality shot. Selection by the lowest price is suggested.

WADS

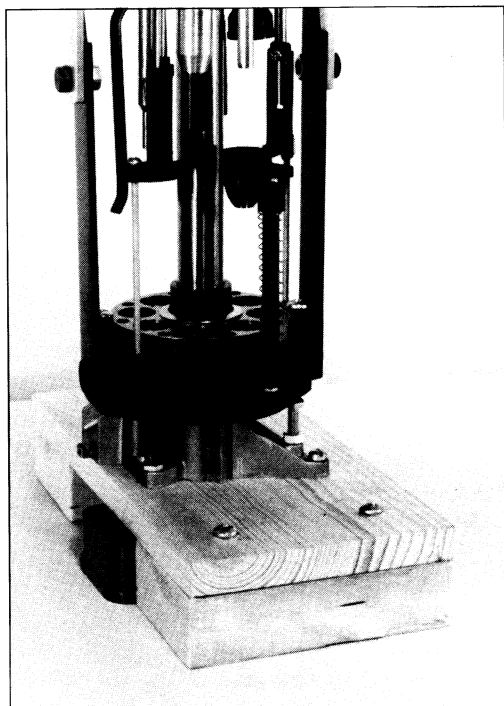
Your Lee Load-Fast is designed to load plastic wads only, preferably the one piece variety. When using these, no wad pressure is required and if applied, will quickly neutralize itself. Crimping the shell in reality applies the wad pressure. The important and basic difference in the one piece wad is the length of the wad and the amount of space it occupies within the shell. It is important that the shell be completely filled to make a good crimp. Once the weight of shot is selected, the only variable volume component is the wad. This information is supplied by the wad manufacturer, usually printed on the bag or carton they are packaged in. The correct wads for trap and skeet loads are readily available because they are the cases most often loaded. Wad types are usually listed on load data supplied by powder manufacturers. See your local sporting goods dealer or write directly to the powder manufacturer for a copy of the latest load data.

Generally, wads will come in two basic lengths, long and short. A supply of each size will take care of 90% of your loading. Sometimes it may be necessary to slip a cardboard wad of a smaller gauge to take up excess space. Flake type powder will compress more than the ball or granular powder. Changing powder type may make a difference in the final crimp.

Mounting Your Load-Fast

Spent primers pass through the center column. You must drill at least a 3/4 inch hole through your bench directly under the column. You can then place a container under the hole to capture the old primers. Attach your Load-Fast to a sturdy bench with 1/4 inch bolts and nuts. If it is attached next to the left edge of the bench, a plastic pail can be hooked onto the shell chute to catch your loaded rounds.

An alternate mounting system is pictured. The press can be mounted on a 1 x 6 attached to 2 spacers. Be sure to drill a 3/4 hole under the column so the primers can pass through. This mounting permits catching the loaded rounds in the opening or in a shallow cake pan. A container can be placed under the column to catch the old primers.



IMPORTANT

DON'T GET IN TROUBLE. The Lee Load-Fast is such a simple and easy tool to use that some people may feel that no instructions are needed. **SAVE YOURSELF SERIOUS PROBLEMS AND CHECK AT LEAST THESE THREE ITEMS.**

- 1 **Check to be sure that the correct bushings are installed** for the powder, shot, wad, primers and cases that you are using. The wrong combination can be very dangerous.
- 2 **Station one must fully insert the shell into the plate.** If it doesn't, the shell plate can't index. The indexer may be disengaged by turning it counterclockwise while lowering the lever. You can see it operate by lifting the cover.
- 3 **VERY IMPORTANT: Make absolutely sure** the shell is always fully ejected from the last station. Leaving a shell in the last station can immobilize the press and necessitate detaching the press from the base to remove the shell. See "DISASSEMBLY" at the end of these instructions.

We strongly urge reading all of the instructions for your safety and satisfaction.

Loading Standard Trap and Skeet 1¹/₈ oz. Shells

The Load-Fast was designed to load trap and skeet shells. Field loads can be loaded, but we recommend loading them one at a time through all the stations.

Your machine has been factory adjusted to load Winchester AA, Federal Gold Medal, Remington RXP, Fiocchi Trap and all similar trap or skeet shells of one piece construction and no base wad. If you will be loading any of these with 1 1/8 oz. shot, you can fill the shot and powder hoppers and begin reloading. Select a powder from the chart below. Fill the small hopper with powder and the large hopper with shot. "Skip to Loading Your First Shell."

All of these loads use the 151 powder bushing installed at the factory. CHECK AND CONFIRM THE BUSHINGS ARE 151 POWDER AND 1¹/₈ SHOT.

		Approx. Grains Dispensed	
2³/₄ Dram 1145 fps	Hercules Red Dot	17.5	These are all 1 1/8 oz. Use the 1 1/8 oz. bushing installed at the factory.
	Hercules Green Dot	18.1	
	IMR 700X	18.4	
	IMR PB	20.5	
3 Dram 1200 fps	Winchester Super Target	20.5	OTHER LOADS Load data and bushings sold with Lee Load-Alls are 100% interchangeable with the Lee Load-Fast. You may also purchase the Bushing Kit #90016. This contains 24 shot and powder bushings, a plastic storage box and extensive load recommendations.
	IMR 800X	23.1	
3¹/₄ Dram 1255 fps	Hercules Unique	22.7	

PROBLEM CASES

Active brand cases, because they have no brass head, fit very loosely in the sizing plate. Occasionally they may be pushed aside by the disconnect at the shot charging station and miss being charged with shot. This is more likely to happen if the lever is operated rapidly.

CHANGE OVER INSTRUCTIONS

If you use one of the above loads, your machine is factory adjusted and you can skip to "LOADING YOUR FIRST SHELL." Follow the instructions below to adjust for all cases and loads not listed above.

BE SURE YOU HAVE THE CORRECT CRIMP STARTER INSTALLED

As shipped from the factory, the Load-Fast has an eight segment crimp starter installed. A six segment crimp starter is supplied if needed.

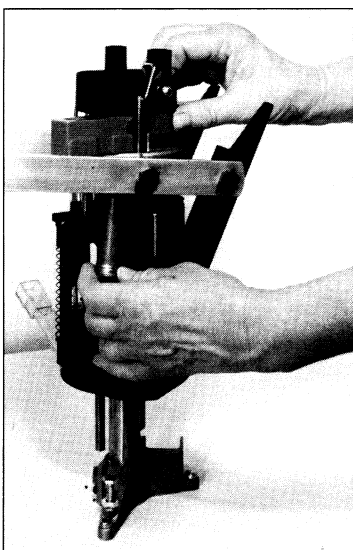
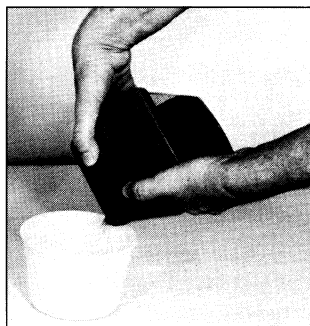
IT IS YOUR RESPONSIBILITY TO INSURE THE SAFETY OF YOUR RELOADS!

- Be sure you install the correct bushings for the load you select.
- Be extremely careful to avoid a double charge. If in doubt, open the shell and salvage the components. A shell with a bulge should always be suspect.
- Wear safety glasses when reloading or shooting.
- Do not permit distractions while reloading. This is a complex machine that requires your fullest attention.

HOPPER REMOVAL AND EMPTYING

The Load-Fast has the easiest hopper to empty. Rotate the hopper 90 degrees counter clockwise to turn off the shot and powder. Now you can lift it off and pour out the contents through the pour spout in the cover. Be sure to hold the cover on while pouring. Rotate the cover 1/4 or 1/2 turn to empty the other hopper.

The shot and powder hoppers hold enough for several boxes of ammunition. However, it is a good idea to refill them each time you open a new box of primers.

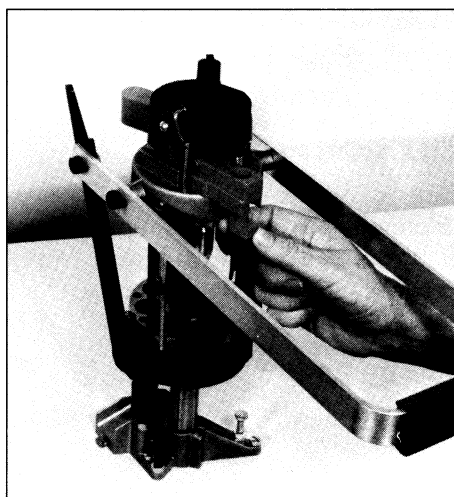


CHANGING SHOT AND POWDER BUSHINGS

⬅ This is always done with the lever in the horizontal position. It is advisable to turn off the hopper valve by rotating the hopper 90 degrees counter-clockwise. There will be some powder and shot in the bushing and feed tube. To empty this, manually cycle the charge bar several times while holding an empty case under the appropriate drop tube.

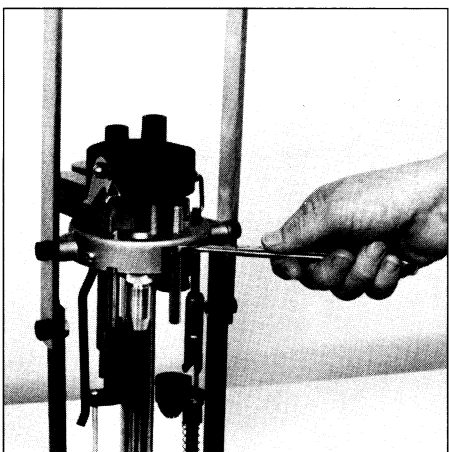
Order bushing kit #90016. It contains all 24 shot and powder bushings, load data and a handy storage box.

.Now push the charge bar toward the front just enough to permit removal of the bushing. You can replace the bushings with the correct ones. **MAKE ABSOLUTELY CERTAIN THEY ARE CORRECT!**



Be sure the bell cranks are engaged into the charge bars before resuming or you may bend something.

⬅ If you are loading more than 1 1/4 oz. shot, you must adjust the wad seater down to seat the shorter wad against the powder. A 1/2 inch open end wrench is required.

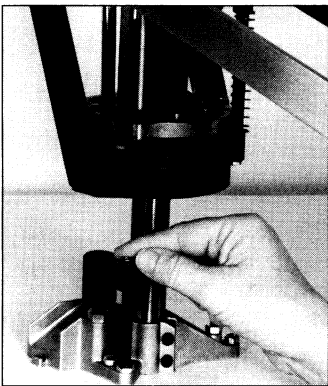
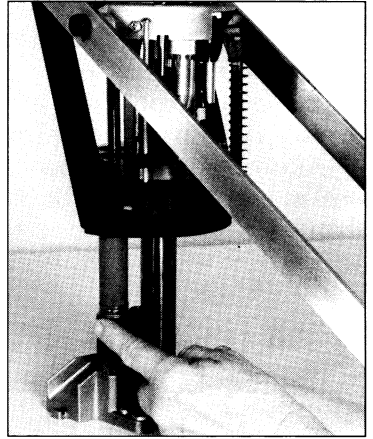


Loading Your First Shell

Cycle the lever fully up and down several times to get the feel of your machine. As you lower the lever, the shell plate will index 1/8 of a turn. Notice that with no shell in place the charge bars do not move. Remember this one rule: **ALWAYS MOVE THE LEVER FULL STROKE, TO THE POSITIVE STOP AT EACH END.** Any time you can't move the lever to the stop something is wrong and you must correct the problem before continuing.

You are now ready to reload your first shell. We will load only a single shell to get the feel of the machine. Invert the shell to be sure there is nothing inside. Then place it on the shell post in STATION 1. Raise the lever fully vertical to the positive stop. It will require considerable pressure on the lever, as you are full length sizing the brass head including the rim.

Now lower the lever to the positive stop. The shell plate will automatically index the shell to the decapper and force out the old primer. You'll hear it pass through the column and into your container. If the lever binds and shell plate doesn't freely self rotate, it is because the shell is not fully in the plate. Don't force the lever— raise the lever fully to the positive stop. It should be perfectly straight up. If the lever still can't be easily lowered to index the shell plate, the shell insertion post must be adjusted upward to insert the shell fully. See "ADJUSTING THE SHELL INSERTION POST". You'll have to make the adjustment before continuing.



⬅ Place a primer in the primer post. Raise the lever to the positive stop to seat the primer.

Lower the lever fully to the positive stop. You'll notice the powder charge bar is moved forward to charge the shell.

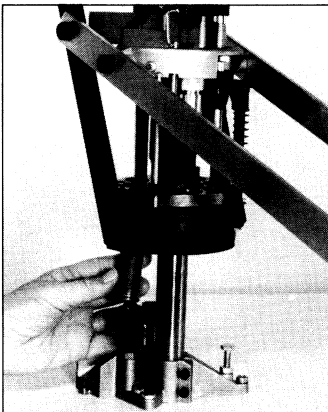
CAUTION: Once the case has been charged, it is most important that lever be raised fully to the stop. If not, the shell plate will not index and another charge will be added to the same case.

Raise the lever and place a wad into the wad guide.



Now fully cycle the lever 5 more times and watch your shell automatically be fully loaded and ejected from the machine.

Ⓜ Always move the lever fully to the stops at both the top and bottom.

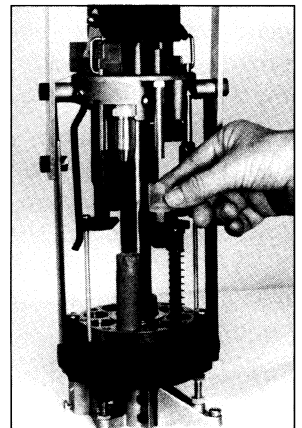


IMPORTANT: Make absolutely sure the shell is always fully ejected from the last station. Leaving a shell in the last station can immobilize the press and necessitate detaching the press from the base to remove the shell. See "DISASSEMBLY" at the end of these instructions.

Check your first shell. If it is not perfect read the CRIMP PROBLEMS section.

The loaded round should drop out of the press and bounce off the base then slide down the chute. This is not 100% dependable and you may wish to hand catch the shells as with competitive machines. Hand catching each shell helps prevent a jam caused by a shell left in the last station.

Repeat the process at least 10 times—25 times is better. This way you'll get the feeling of your machine and instantly recognize when you have done something wrong.



Loading More Than One Shell At A Time

Work into progressive loading gradually by skipping some shell plate openings. It's best to process a shell through the wad insertion station before starting the next one on the insertion post. This allows you to concentrate on being sure a primer is in place and a wad has been inserted. Try this for at least one full box. It is more than twice as fast as loading singly.

To load a complete shell with every stroke, you must place a shell, primer and wad on every lever cycle. You will develop your own technique, but I have found the following to be the fastest and most foolproof method. Always move the handle down with your right hand and up with your left hand. This way your left hand is free to place the shell on the ejection post and position a primer. Push up with your left hand and your right hand is free to place a wad in the guide. This is many times faster than loading one at a time.

Reloading requires your complete attention. Progressive reloading is even more demanding. If you find it too difficult, then stick to loading one at a time or only one through the wad insertion process before starting the next case. I have found this to be a very relaxing way to load ammunition.

When Things Go Wrong

The Lee Load-Fast has been designed to be trouble free. However, through error, misuse or damage things can go wrong. When it happens, it is best to simply clear the machine and start over. A seriously buckled case may have to be cut off with a knife to eject it from the shell plate. This can be avoided by sorting your cases by brand and type.

If the Load-Fast has a fault, it is that you may lose some cases when clearing the machine after messing up. The ease, speed and convenience of the Load-Fast more than compensates for this single imperfection.

MACHINE FROZEN AND WON'T INDEX

This is usually caused by a damaged shell being left in the last station. The shell is in the plate and can't be indexed until the offending shell has been removed. It is best to remove the press from the base. See "DISASSEMBLY" at the end of these instructions.

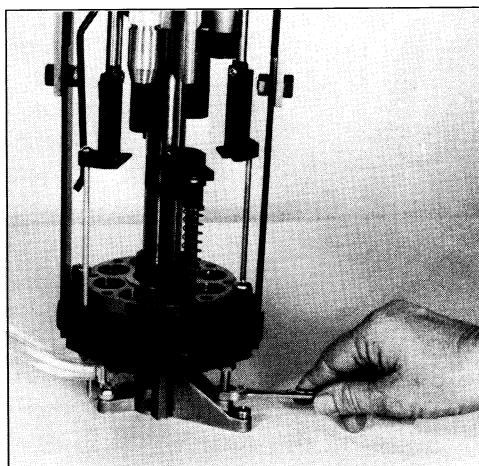
ADJUSTING THE SHELL INSERTION POST

A frozen machine can also be caused by the shell not being fully inserted into the shell plate. Raise the lever fully to press the shell into the plate. Visually check in the opening provided to see if the shell is not completely pushed into the plate. If not, you must raise the shell insertion post so that the shell will be pushed into the plate fully.

To clear the jam so you can raise the lever, the indexer must be disengaged. Do this by turning the indexer counter-clockwise while lowering the lever a few inches. Loosen the jam nut on the insertion post and raise it 1/2 turn. Try indexing again and repeat the procedure if needed. Be sure to tighten the jam nut.

Remember, when you are having problems you are at risk of making an error such as a double charge. Clear the machine before continuing.

The stop bolt should also be checked. This bolt should be adjusted so it just touches the carrier when the lever is straight up and no shells in the plate. Be sure to tighten the jam nut. It is very important that these adjustments be made with the lever fully up against the stop, otherwise the auto-index will not work.



THE LEVER WON'T MOVE FULLY

Check the following:

- Priming station may have more than one primer in place or the case may not have been deprimed. Clear before continuing.
- Foreign object inside the case. This is the reason to invert the case before inserting it.
- Bell-crank is not engaged in either or both charge bars.
- Hopper is turned and restricts lever movement.
- Indexer out of time. Rotate indexer counter-clockwise to stop.

CRIMP PROBLEMS

Crimp too deep with a hole in the center.

The wad is too short. The wad must be the correct length for the components you're using. A shotshell must be filled for a good crimp. Do not fill with extra shot as dangerous pressures will be generated.

Crimp bulged or pops open after a time.

The wad is too long. See explanation above. If a single case of the same batch is bulged, you should suspect a double charge. Do not fire such a case. Unload it and salvage your components.

Crimp is firm but not tight.

The final crimper should be adjusted down. Unscrew it a half turn and try again. When it leaves the factory, it is $3\frac{1}{8}$ " from the top which works well for most cases.

Crimp is firm and but too deep.

Final crimper should be screwed upward. Adjust $1/2$ turn at a time.

Firm crimp but hole in center.

The crimp starter too high. Unscrew it 1 turn to gather more case and try again. Factory adjusted height is $1\frac{1}{2}$ " from the top.

WAD GUIDE PROBLEMS

If the wad guide doesn't easily slide on the square support, rub some candle wax on the steel. **Do not oil** this part.

EJECTION PROBLEMS

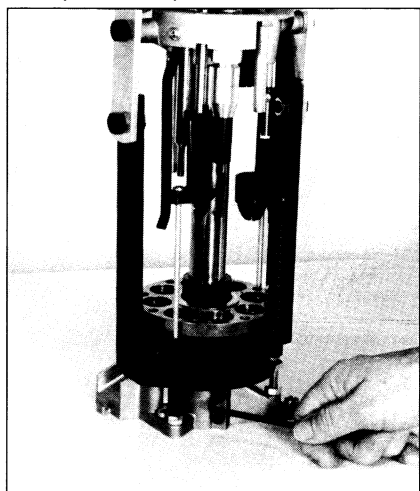
High brass cases may bind in the shell plate. If the binding is excessive, the ejector may depress and deform the crimp. While it is best to not use high brass cases, this problem can be solved by replacing the ejector with a standard $3/8$ - 16×4 " hex. head bolt available at all hardware stores. It's best to replace the factory supplied ejector for all other shells, because the headless bolt can't pull a bad shell back up into the shell plate and jam the machine.

SPARE PARTS

We have provided a small bag of spare parts that may get damaged or lost.

DISASSEMBLY

Normally there is never a need to take your Load-Fast apart. However, should you elect to disassemble it, the best starting point is remove the column from the base. Loosen the 2 allen screws and pull the column straight out of the base. It may be desirable to lightly pry the base open with a screwdriver while pulling apart.



When reassembling, be sure the column is pushed into the base with the handle vertical. Push in until the black shell plate carrier contacts the stop bolt in the base.

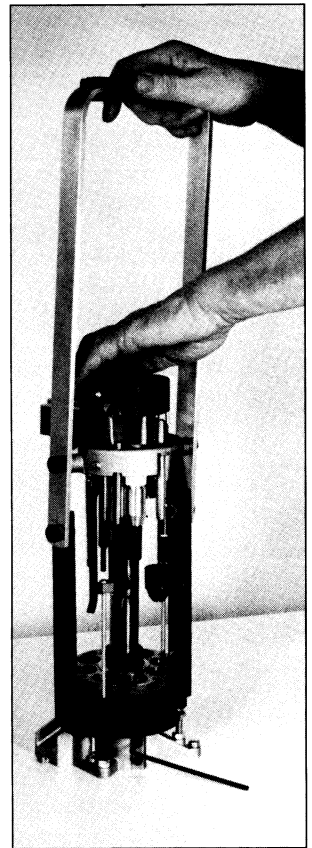


Rotate to center the shell insertion post in the carrier. Tighten the allen screws.

Do not over tighten.

MAINTENANCE

Your Lee Load-Fast needs very little attention. Occasionally oil the pivot bolts for the handle and a light coat of oil on the column and other steel parts to keep them from rusting. Do not use dry lubes or very thin lubes such as WD40. Keep your tool clean to keep it working well.



PARTS LIST

Parts are listed starting at the top of the press.

LF3061	GRIP.....	3.00	LF3063	SHELL EJECTOR	2.00
LF3023	HANDLE.....	10.00	AU2999	3/8-16 LOCK NUT.....	1.00
LF3033A	COVER.....	3.00	LF3026	DISCONNECT LINK (2)	2.00
LF3032	HOPPER	6.00	LF3027	HAIR PIN (2)	1.00*
F3040B	HOPPER VALVE.....	5.00	LF3025	LEFT DISCONNECT ROD	2.00
LF3040C	COVER FOR CHARGE BAR.....	5.00	LF3035C	DISCONNECT (2).....	5.00
LF3015	BELL CRANK RIGHT	2.00	LA1938	6-32 X 1/4 SCREW (2).....	1.00*
LF3016	BELL CRANK LEFT.....	2.00	LF3024	RIGHT DISCONNECT ROD	2.00
LF3029	10-32 X 3/8 SCREW (2)	1.00	LF3097	DISCONNECT SPRING (2)	1.00*
BM1173	BUSHING (2).....	1.00	LF3022	CONNECTING LINKS (2).....	5.00
BM1172	WAVE WASHER (2).....	1.00	LF3030	4 1/4" BOLT DISCNT (2).....	2.00
LF3033B	CHARGE BAR POWDER.....	3.00	LF3017	SHOULDER BOLT (4)	4.00
LF3033C	CHARGE BAR SHOT	3.00	TP2111	SHLDR. BLT. LOCK NUT(2)	1.00
	ANY SHOT OR POWDER BUSHING.....	1.50	LF3049	CONN LINK RETAINERS(2)	1.00
LF3039	TOOL CARRIER W/COLUMN	24.00	LF3040A	SHELL PLT. CARRIER.....	15.00
LF3130	PRIMER KICK LEVER	2.00	LF3021	SHELL PLATE 12 GA.	15.00
LF3019	DECAPPER.....	3.00	LF3047	HOLD DOWN BOLTS (2).....	1.00
LF3057	DECAPPER "O" RING.....	1.00	TA1994	HOLD DOWN NUTS (2)	1.00
LF3012	POWDER DROP TUBE.....	3.00	TR2433	DETENT BALL	1.00
LF3011	POWDER LOCK SLEEVE	3.50	TR2434	DETENT SPRING.....	1.00
LF3056	POWDER LOCK "O" RING.....	1.00	LF3035E	INDEXER	3.00
LF3018	WAD SEATER	1.50	LF3092	INDEXER COVER	1.50
AU2999	3/8 -16 LOCK NUT.....	1.00	LF3048	PRIMER KICKER	1.00
LF3034	WAD GUIDE.....	2.00*	LF3124B	KICKER PLUG	1.00
LF3037	WAD GUIDE SUPPORT	3.00	LF3039A	BASE	10.00
LF3055	WAD GUIDE NUT	1.00	LF3044	PRIMER POST	1.50
LF3036	WAD GUIDE SPRING	2.00	LF3050	PRIMER SPRING.....	1.00
OF 1770	WAD GUIDE SCREW.....	1.00	LF3045	PRIMER GUIDE	1.75
LF3014	CRIMP START HOLDER	3.00	LF3028	STOP BOLT	1.00
LF3042	CRIMP START SPRING	1.00	TA1994	STOP NUT	1.00
LF 3035A	8 SEG. CRIMP START	2.00	LF3065	BASE CLAMP BOLTS (2).....	1.00
LF3035B	6 SEG. CRIMP START	2.00*	LF3013	SHELL POST	3.50
LA1938	6-32 X 1/4 SCREW	1.00	TP2111	SHELL POST NUT	1.00
LF3020	CRIMP BOLT.....	3.00			
LF3035D	FINAL CRIMPER	4.00			
LF3043	CRIMP SPRING	3.00			
LF3124A	CRIMP SPACER RUBBER	1.50			

* THESE ARE SUPPLIED IN THE SPARE PARTS BAG WITH YOUR PRESS.
() INDICATE NUMBER REQUIRED. PRICE IS FOR QUANTITY, NOT EACH.

LEE LEE PRECISION, INC. 4275 HIGHWAY U HARTFORD WISCONSIN 53027