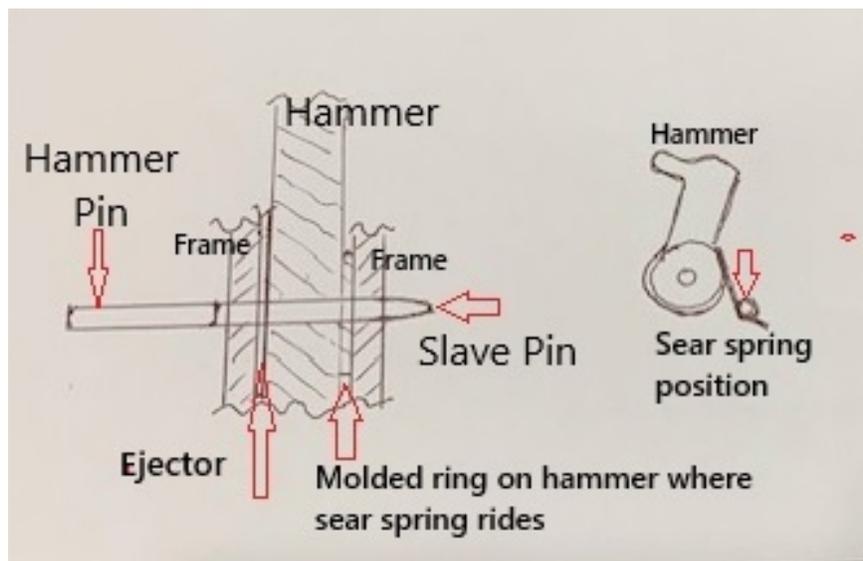


Field strip by separating the Slide assembly from the Frame. Remove the scales/grips from the Frame and set them aside. (Use ONLY a screw driver that closely fits the grip screws- bugged up screws devalue your investment)



Now study this diagram to understand what you are working with



A Slave Pin allows for directing the (actual) hammer/sear/etc. pin to find its way through the holes in multiple surfaces. In use the Slave is slid through and out by keeping the flat on the pin against the flat on the Slave. Sometimes it is necessary to keep a slight pressure on the pointy end of the Slave to keep the flat butts together to prevent something from relocating and preventing the pin from sliding into place. Use a bit of oil to make smoother.

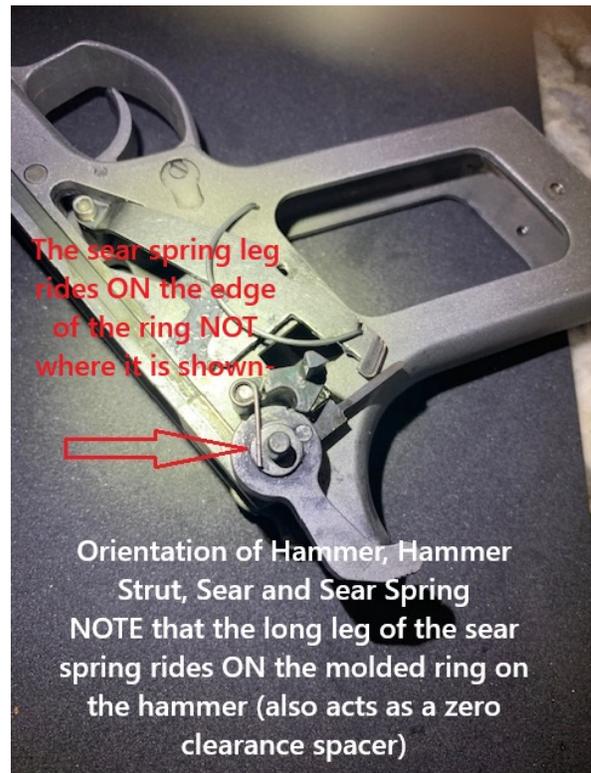
[Left] Position the Disconnecter (as shown) to get it out of the way. You can work around it this way.

[Right] Slide the Hammer Pin out by pushing a pin punch by hand. Watch out for springs popping out.



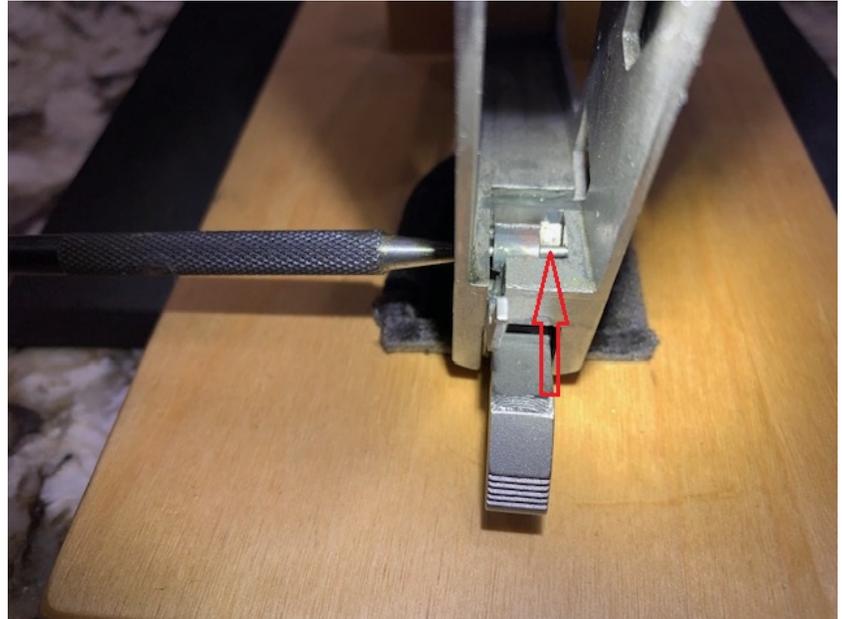
[Left] Hammer/Strut removed showing hammer spring and ejector (Hammer pin back in place)

[Right] Review how the parts you will be removing are orientated. Pay special attention to Sear Spring tail on edge of hammer- only stays where it belongs when hammer is installed in frame.



[Left] Removing the Sear and Sear Spring are next. With a small-long Pin Punch push the Sear pin out.

[Right] This is where the Sear Spring resides. Getting it back into place is a learning curve and takes patience. We'll get back to that shortly.. Just study it now and we will get back to the Sear after the Hammer and new Strut are installed.

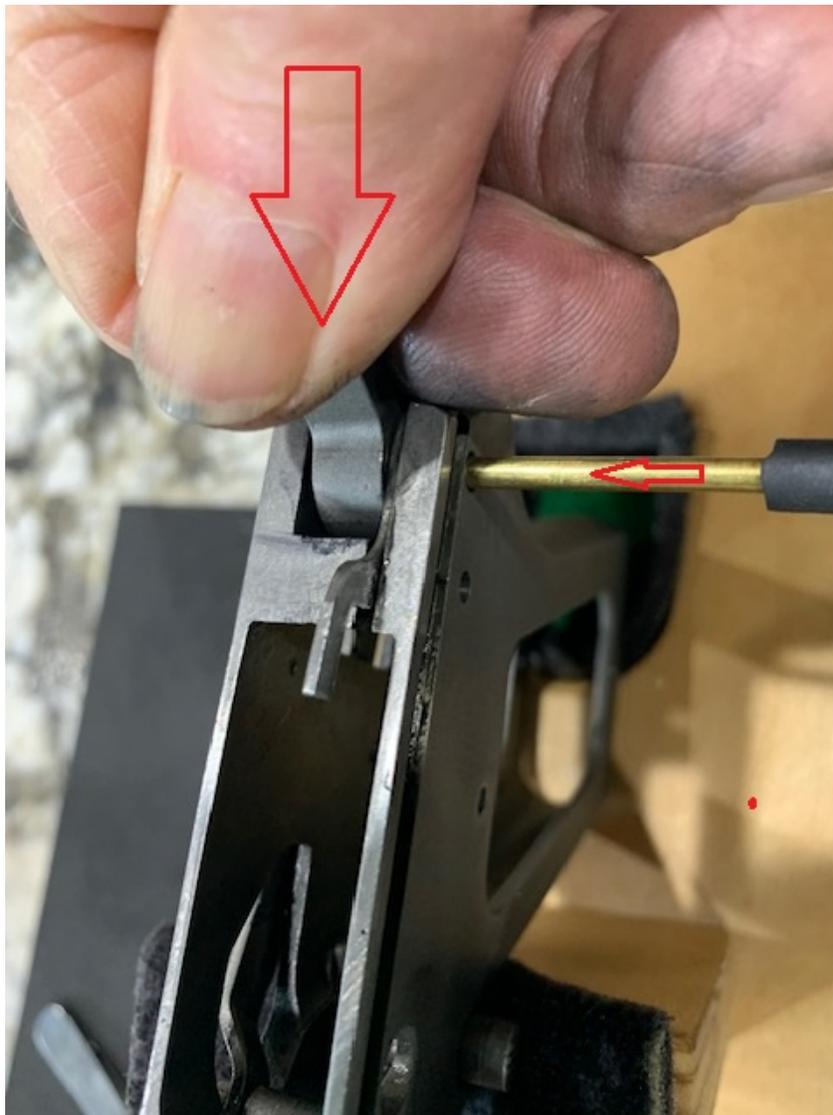


While still here- Sear/Sear Spring. [L] Sear Spring position [R] Where 'tail' resides (spring not visible)



The Object of this endeavor, THE NEW HAMMER STRUT, has not been yet addressed as it is a very minor operation requiring no pictorials to understand it. You will notice in the Hammer there is a short 1/8" pin the STRUT dangles from. Slide it out and reinstall the new Strut into place- Center the pin with the hammer body so the Sear Spring tail has a clear path.

Getting the Hammer assembly back in place would best be accomplished with three arms but we'll manage. If you have a Slave Pin (at or just under .155") your job will be easier- too snug and it gets difficult also. If not use a punch/rod/or whatever smaller than the Hammer Pin. The larger it is, unless its 'pointy', will make it difficult to find the ejector and hammer holes it has to slide through allthwhile you are *holding down* against the hammer spring compression. Get it into place with the smaller punch/rod then 'fish' around till the hammer pin slides in from the opposite side. This happened to be a 1/8" brass rod. It may be helpful to enlist a helper to eye-ball the project and insert the pin when it appears all lined up. [Suggestion] Go in from the ejector side as it is then initially 'pinned' and hopefully stays in place. *AGAIN, a Slave Pin makes this MUCH easier!*



The Hammer Assembly is now back in its place. Next comes reinstalling the Sear and Sear Spring.

Refer back to Page 2 to refresh your memory as to what position the Sear Spring must be installed and Page 4 for pictorials of the process.

A long-small nosed forceps or some longer nosed tweezers are an absolute necessity along with something pointed like an ice pick to 'tweek' things around as you are going to have to work through the sides in the frame where the grips were.

If you have a Slave Pin for the Sear Pin (.125") Your life *will* be easier, but if not, try a punch/rod/or whatever under that size. I used my trusty 1/16" longer pin punch here. The Sear is a bit tricky to maneuver into position as the protrusion that contacts the Disconnecter sticks out through the grip frame cutout- remember? Patiently work the Sear into the position shown and get the Sear Spring into place with the 'legs' correctly positioned. Remember the cast washer-like protrusion on the hammer? That is also a spacer that when the ejector and hammer are slid into place the 'leg' of the Sear Spring will not fit along side of it- It rides ON the protrusion. Note where the short 'leg' lays on the sear. If these are not correct, you have no spring tension and you get to do it again- Yea!

[More in depth] The right-side of the sear/sear pin is where the tricky little spring resides. Insert the Sear Pin only partway from the left to help to keep the Sear in place until the spring is properly positioned- THEN slide the 1/16" pin punch in from the right through the sear spring coil to hold it. Inserting the Sear Pin from the Left side, positions the pin face against the spring coils. To be able to keep the pin from falling out and to apply pressure on the pin I put the pin against the Brownells screw driver box on my table. With a penlight shining in the frame hole the coil was worked with the 1/16" punch (while keeping pressure- pressing down) to slide the coil to center allowing the Sear Pin to 'pop' through. To understand, the tension of the short leg on the sear causes the spring coils to push away from the Sear flat- you are pushing the coil down so the pin can slide through it. *So there... Done*, but a Slave Pin would have made it easier. DO NOT Hammer on a pin- Push only.

Move the Disconnecter (grease where it tracks on the frame) back into place. Re-assemble Grips and Slide Assembly. **REMEMBER-NEVER DROP THE HAMMER WITH THE SLIDE REMOVED**



I place a couple rags under my hammer or hold my thumb (only if done right) between the hammer and the firing pin to cushion the fall. ***Wring it out good -Proof It- to be absolutely sure the hammer/trigger/safety all function properly and trigger pull is safe and acceptable.***

AutoMag III Exploded View



A

Imperative To Specify Barrel Length When Ordering Parts

Part No.	Part Name	Retail Price	Part No.	Part Name	Retail Price
CM-1	FRAME	Gunsmith	CM-42	DISCONNECTOR SPRING	2.00
CM-2	SLIDE	Only	CM-6	SAFETY	12.00
CM-11	BARREL		CM-43	SAFETY DETENT SPRING	1.25
CM-29	BARREL STOP PIN	1.25	CM-20	SAFETY DETENT PLUNGER	2.25
CM-7	BARREL BUSHING	15.00	CM-15	EJECTOR	3.50
CM-21	RECOIL ROD	10.00	CM-44	EJECTOR SPRING	1.25
CM-36	RECOIL ROD SPRING	5.00	CM-34	EJECTOR DETENT BALL	1.25
CM-22	RECOIL ROD BUSHING	8.50	CM-32	EJECTOR STOP PIN	1.25
CM-19	FIRING PIN	7.50	CM-46	REAR SIGHT	35.00
CM-37	FIRING PIN SPRING	1.75	CM-47	FRONT SIGHT	14.00
CM-4	EXTRACTOR	11.00	CM-45	GRIP LEFT	
CM-28	EXTRACTOR PIN	1.25	CM-45	GRIP RIGHT	SET 20.00
CM-38	EXTRACTOR SPRING	1.25	CM-33	GRIP SCREWS (4)	EA. 1.25
CM-8	HAMMER	15.00	CM-10	MAGAZINE LATCH	18.00
CM-12	HAMMER STRUT	4.25	CM-18A	MAGAZINE LATCH RETAINER	1.75
CM-23	HAMMER PIVOT PIN	1.25	CM-18B	MAGAZINE LATCH SPRING	1.25
CM-24	HAMMER STRUT PIN	1.25	CM-17	MAGAZINE BODY	15.00
CM-39	HAMMER SPRING	1.75	CM-17A	MAGAZINE SPRING	3.25
CM-3	SEAR	Gsmith Only	CM-17B	MAGAZINE FOLLOWER	3.25
CM-25	SEAR PIN	1.25	CM-17C	MAGAZINE FLOORPLATE	2.50
CM-40	SEAR SPRING	1.75	CM-17D	MAGAZINE FLOORPLATE RETAINER	2.50
CM-9	TRIGGER	13.00	CM-	MAGAZINE COMPLETE	25.00
CM-26	TRIGGER PIVOT PIN	1.25	CM-14	SLIDE STOP PLATE	3.75
CM-5	SLIDE STOP	16.00	CM-31	SLIDE STOP PLUNGER RETAINING PIN	1.25
CM-35	SLIDE STOP PLUNGER	2.00	CM-27	DISCONNECTOR PIN	1.25
CM-41	SLIDE STOP PLUNGER SPRING	1.25	CM-11A	BARREL DELAY PLUNGER	1.25
CM-16	DISCONNECTOR	7.25	CM-11B	BARREL DELAY PLUNGER SPRING	1.25
CM-30	DISCONNECTOR STOP PIN	1.25		SHIPPING & HANDLING CHARGE	3.00

IRWINDALE ARMS INC. — 6226 Santos Diaz, Irwindale, CA 91706

AFTER READING AND DIGESTING THIS TUTORIAL SHOULD YOU DECIDE TO DO IT YOURSELF BE SURE YOUR WEAPON IS CLEARED AND ALL AMMUNITION IS SOMEWHERE ELSE Be Safe

Thinking out of the box- Tool ideas if you are coming up short



The tweezers have been shown previously. I think these were surgical suture purposed. Work really great. Above: .125 drill rod end tapered for Slave Pin/ [get this] Ball point pen refill measures .121 and even has a pointy end/ where it is locating only and no heavy (sheer/spring side pressure) there is a 1.43 cuticle/orangewood stick that can be soaked with crazy-glue. Lots of stuff around to misuse.

Back to the Automag III thru V Hammer Struts. Redline Plus has them available made from spring steel as an factory upgrade. His Hammer Struts are superb quality. If you need to purchase or inquire drop a note to crudeoil@netzero.com