

CASE-PRO 100

Thank you for purchasing the finest brass reprofiling product available. For those of you who have waited for this product, thank you for your patience. We felt it was worth a delay in shipping production units to ensure a quality unit. In other words, "We wanted to get it right the first time."

Case Pro will save you money through the restoration of old brass. Instead of digging "bad brass" out of your gun, you can enjoy consistent shooting.

Case Pro has a life time warranty against manufacturing defects and normal wear under hand operation. If a component should break or wear out, return it to us and a new one will be shipped promptly.

Please review the operations manual for some key tips and operation safety.

We hope you enjoy your Case Pro 100.

Sincerely,

Michael Fleury, Designer/Developer/Production
And all the staff at casepro.

224-629-7122 cell
847-659-0100 x35 Office
847-659-0108 fax

CASEPRO 100

OPERATION MANUAL

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CASE PRO

11220 East main St. Huntley, Il 60142
(847) 659-0100 Fax (847) 659-0108

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SOME NOTES BEFORE YOU START ROLLING YOUR BRASS:

1. Be sure and mount your Case Pro 100 on a sturdy bench or counter top. We recommend using 1/4-20 grade 5 bolts or 1/4" lag screws.
2. Do not roll dirty brass. You should clean your brass in a tumbler (Dillion 2000 does an excellent job) with a brass cleaner (Brasso works well). The cleaner leaves a sufficient film on the brass to lubricate it for reprofiling.

SAFETY WARNING

**DO NOT REPROFILE LOADED AMMUNITION OR AMMUNITION WITH A PRIMER.
CRUSHING A LIVE PRIMER DURING REPROFILING COULD CAUSE IGNITION.**

NEVER RELOAD OR REUSE CRACKED OR DAMAGED BRASS.

WARRANTY & SERVICE INFORMATION:

Image Industries will replace or repair any part that breaks due to a manufacturing defect or wears out under normal hand operation.

This is a lifetime warranty for the original purchaser of the Case Pro 100.

Please return any defective or worn out component to:

Casepro
11220 East Main St.
Huntley, IL 60142

Please include a brief description of the problem, your name, address and day time phone number. Please pack the component carefully.

Any comments, questions or concerns may also be sent to the above address. You may also call:

800-752-9353 or 708-766-7373

This warranty applies to repair or replacement of product found to be defective in material or workmanship or from wear. This warranty does not apply to damage resulting from commercial use, abusive or unreasonable or supplemental damage. Image Industries is not liable for any incidental or consequential damages of any nature. This limitation does not apply to you if you live in those states that do not permit the exclusion of limitation of incidental or consequential damages.

Any non factory modifications will void this warranty.

CASE PRO 100

GETTING STARTED

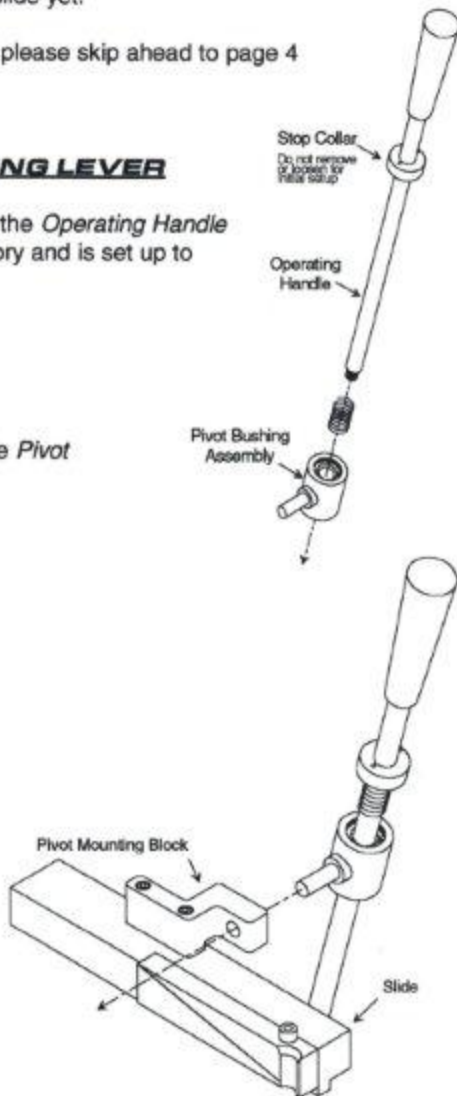
Your Case Pro 100 was fully assembled, adjusted, lubricated and tested at the factory. Prior to shipping brass was reprofiled in your Case Pro to ensure proper operation.

For shipping purposes some units had the operating lever and feed tube disassembled. Do not remove the shipping tape securing the slide yet!

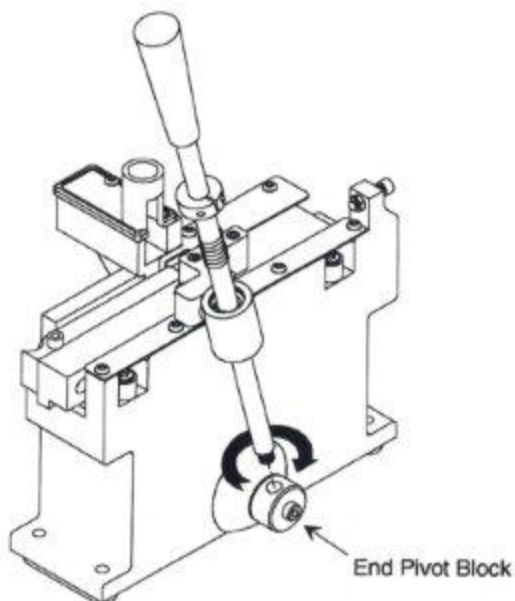
If your Case Pro 100 did come fully assembled please skip ahead to page 4 **Setting Up for Hand Feeding.**

REASSEMBLING THE OPERATING LEVER

1. Do not remove or loosen the *Stop Collar* on the *Operating Handle Shaft*. The location was adjusted at the factory and is set up to be ready to use.
2. Slide the *Spring* onto the *Handle Shaft*
3. Slide the end of the *Handle Shaft* through the *Pivot Bushing Assembly*.
4. Put the projection on the *Pivot Bushing Assembly* through the hole in the purple *Pivot Mounting Block* which is mounted on top of the *Slide*. See the figure to the right.



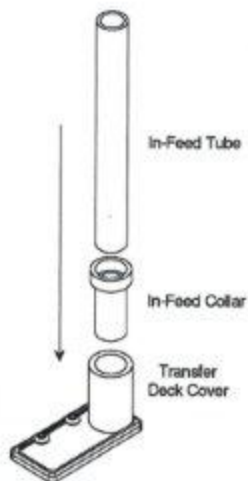
5. Line up the hole in the *End Pivot Block* with the end of the *Operating Handle*. Slide the *Operating Handle* downward and screw clockwise into the *End Pivot Block*.



SETTING UP FOR HAND FEEDING

1. Select the proper *In-Feed Collar*. Red is for larger calibers (45 ACP or 10MM). Green is for smaller calibers (38 Super or 9mm).
2. Place the *In-Feed Collar* into the *Transfer Deck Cover* then place the taped end of the *In-Feed Tube* into the collar.

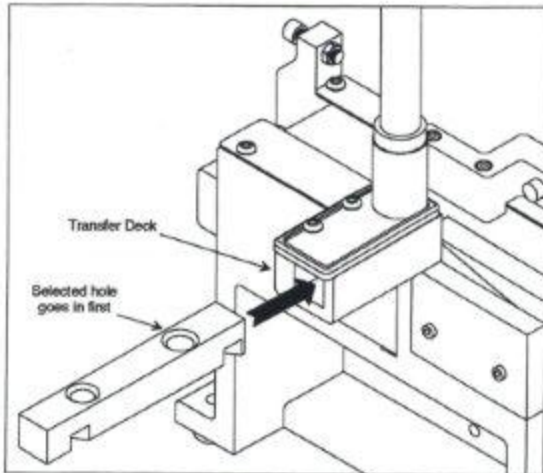
Note: If you are setting up to automatically feed your brass refer to the manufacturer's operating instructions.



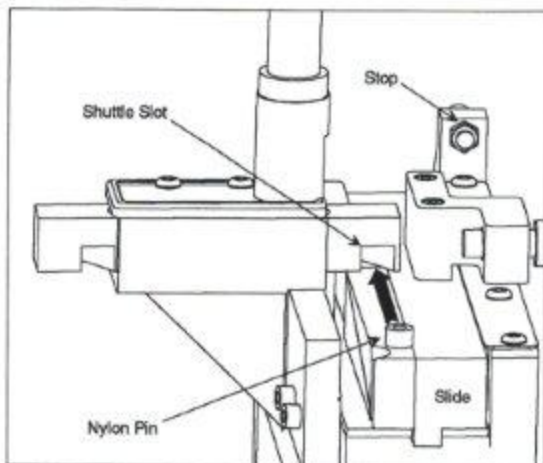
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SETTING UP THE CASE TRANSFER MECHANISM

1. Place a small dab of grease on the bottom side of the *Case Transfer Bar* and spread over the bottom surface. This will allow it to slide more easily and prevent over travel.
2. Select the proper hole on the *Case Transfer Bar*. The larger hole is for large calibers (45 ACP & 10mm) and the smaller hole is for smaller calibers (38 Super & 9mm).
3. Slide the *Case Transfer Bar* into the *Transfer Deck* opening with the proper hole going into the opening first.



4. Slide the *Case Transfer Bar* through the *Transfer Deck* opening until the first shuttle slot is fully visible above the *Slide*.
5. Remove the shipping tape from your *Case Pro Slide*.
6. Slowly move the *Operating Handle* rearward. As the *Nylon Pin* moves toward the *Case Transfer Bar*, move the *Case Transfer Bar* inward or outward to align the *Nylon Pin* with the shuttle slot opening.



7. Continue moving the *Operating Handle* rearward until the *Pivot Mounting Block* contacts the *Stop*.

Initial setup is now complete and you are ready to reprofile our Brass for Improved shooting!

OPERATION OF CASE PRO 100

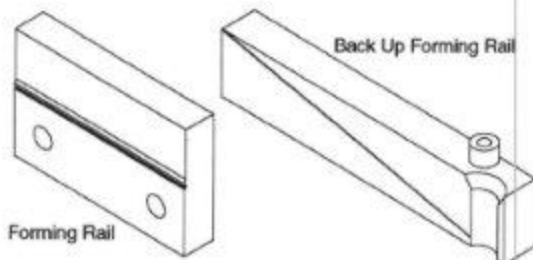
1. The base of your Case Pro 100 unit should be securely mounted to a work bench or table top. We recommend 1/4-20 grade 5 bolts or 1/4" lag screws
2. All brass should be clean. Do not reprofile dirty brass. You should clean your brass in a tumbler (Dillion 2000 does an excellent job) with a brass cleaner (Brasso works well). The cleaner will leave a sufficient lubricating film on the brass for proper reprofiling.

PRIMING & OPERATING THE CASE PRO

4. Drop several pieces of brass (size must match the installed *Forming Rails*) OPEN END UP into the *In-Feed Tube*.
5. (If Setup has been followed properly the *Operating Handle* should be in a rearward position.) Pull the *Operating Handle* fully forward. This will shuttle the *Case Transfer Bar* to the left and it will pick up a piece of brass.
6. Now move the *Operating Handle* rearward again. This will shuttle the *Case Transfer Bar* to the right placing a casing into the proper location for reprofiling.
7. Pull the *Operating Handle* forward again. This time a case was reprofiled! (The *Case Transfer Bar* also picked up the next casing.) Slide the *Operating Handle* rearward and repeat. Don't forget to place more brass into the *In-Feed Tube*.

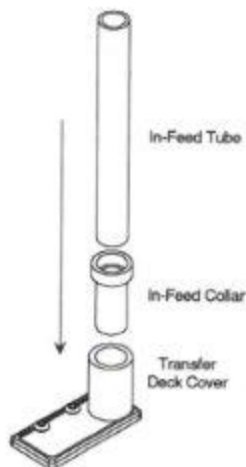
CALIBER CHANGE OVER

1. Select the caliber you wish to use. A caliber set will consist of (1) *Forming Rail* and (1) *Back Up Forming Rail*.

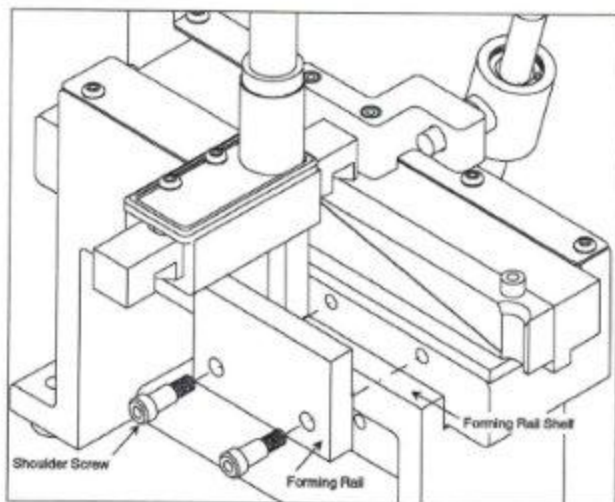


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2. Select the proper *In-Feed Collar*. Green is for smaller calibers and Red is for larger calibers. Insert the collar into the *Transfer Deck Cover* and insert the *In-Feed Tube* into the collar.

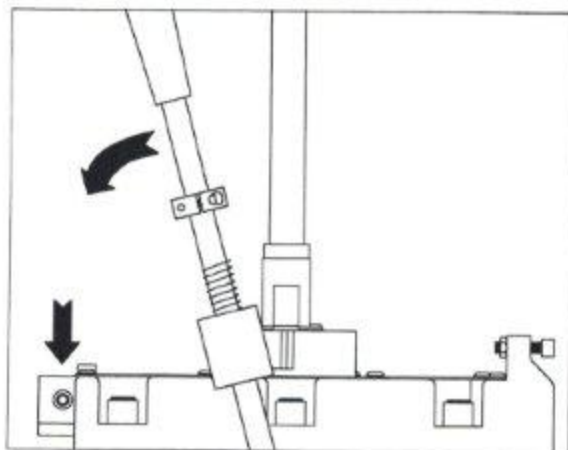


3. Remove the two shoulder screws which hold the *Forming Rail* in place. Remove the *Forming Rail* and place the new caliber on the *Forming Rail Shelf*. Replace the shoulder screws. Tighten the screws so there is no play in the *Forming Rail*, **BUT DO NOT OVER TIGHTEN.** If the screws are over tightened they can strip the threads in the aluminum base.

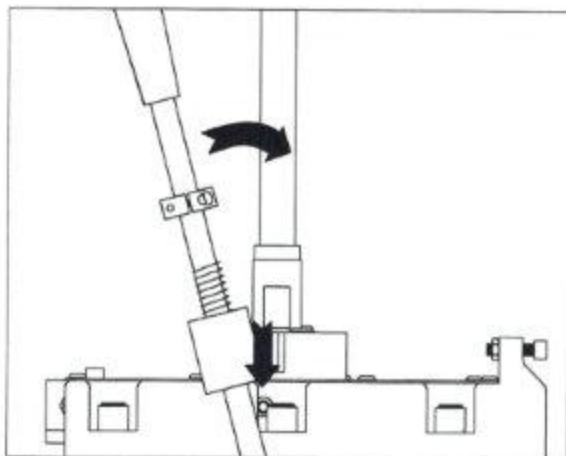


CALIBER CHANGE OVER *continued*

5. Slide the *Operating Handle* forward until the first socket head cap screw is exposed (when viewed from the right side, see diagram on the right). Remove this screw.

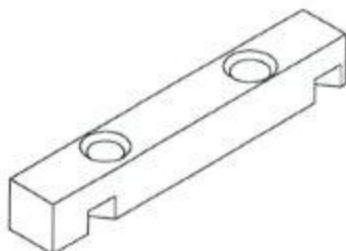


6. Slide the *Operating Handle* rearward until the second socket head cap screw is visible in the second *Cam Follower* pocket (See diagram to the right). Loosen this screw (a Tee handle hex wrench works well). You will not be able to completely remove this screw because of interference with the *Cam Follower*. Once both screws are loosened the *Back Up Forming Rail* can be removed. Reverse this procedure to install the new *Back Up Forming Rail*. Press down on the rail slightly when tightening the screws to ensure the rail is seated properly.



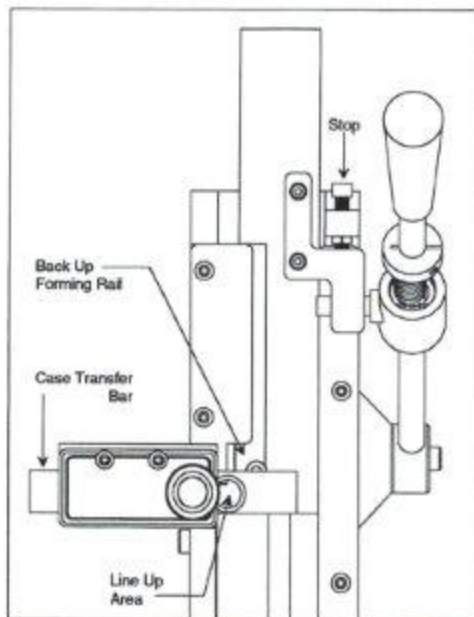
7. Select the proper *Case Transfer Bar* hole diameter. 9mm and 38 Super use the small diameter hole and 45 caliber uses the larger diameter hole.

To complete installation of *Case Transfer Bar* see additional information under **Setting Up Case Transfer Mechanism** on page 5.



8. Adjust the *Stop Screw* if necessary. The case cut out in the *Back Up Forming Rail* should line up with the hole in the *Case Transfer Bar*. If it does not, loosen the jamb nut on the *Stop Screw*. Adjust the *Stop Screw* either forward or backward so the cut out in the *Back Up Forming Rail* and the hole in the *Case Transfer Bar* line up. When properly aligned, tighten the jamb nut.

Note: The *Stop Screw* was preset at the factory and should only need adjustment to compensate for wear.



CASE PRO MAINTENANCE

Maintenance is a matter of common sense.

1. Periodically lubricate all moving parts using a light weight lubricant. This would include all of the following:
 - *Slide Cam Followers* (Lubricate every time you go to use Case Pro)
 - *Floor Filler Plates*
 - The projection which passes through the *Pivot Mounting Block*
 - The shoulder screw which passes through the *End Pivot Block*
2. Periodically check all screws and tighten any which have loosened.
3. Clean the *Forming Rail* for any brass debris. We recommend removal and cleaning with a toothbrush or other small brush.
4. Periodically place a dab of grease on the bottom side of the *Case Transfer Bar* to prevent over travel.

CASE PRO OPTIONAL ACCESSORIES

Forming Rail & Back Up Forming Rails for Caliber Changes (sold only as sets):

CP-013-38S	Back Up Forming Rail 38 Super
CP-014-38S	Forming Rail 38 Super
CP-013-045	Back Up Forming Rail 45 A.C.P.
CP-014-045	Forming Rail 45 A.C.P.
CP-013-921	Back Up Forming Rail 9mm
CP-014-921	Forming Rail 9mm
CP-013-040	Back Up Forming Rail 40 cal. & 10mm
CP-014-040	Forming Rail 40 cal. & 10mm

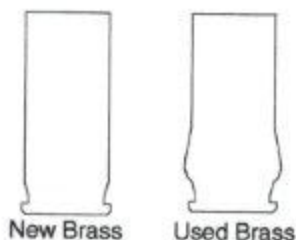
Mounting Kit to adapt Dillon case feeder

Call Image or your Case Pro dealer for latest pricing and availability.

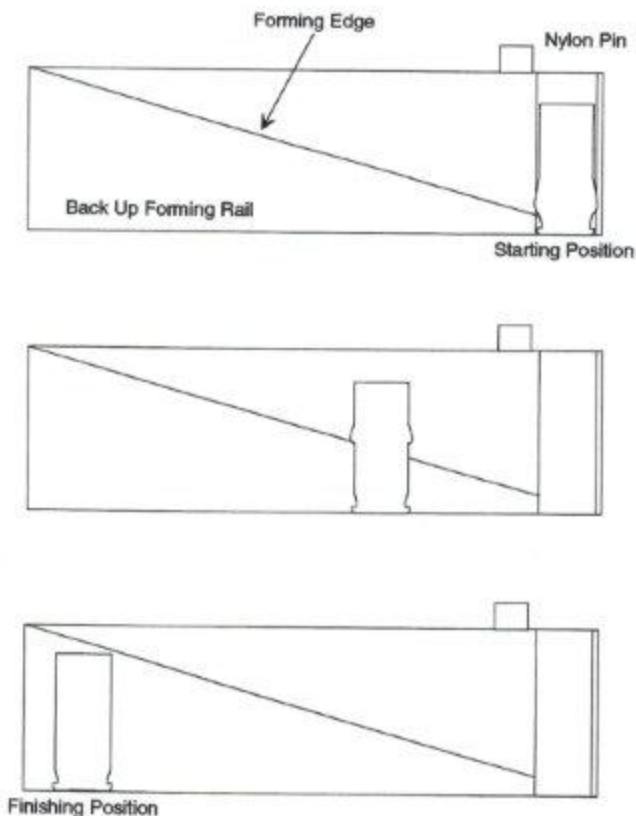
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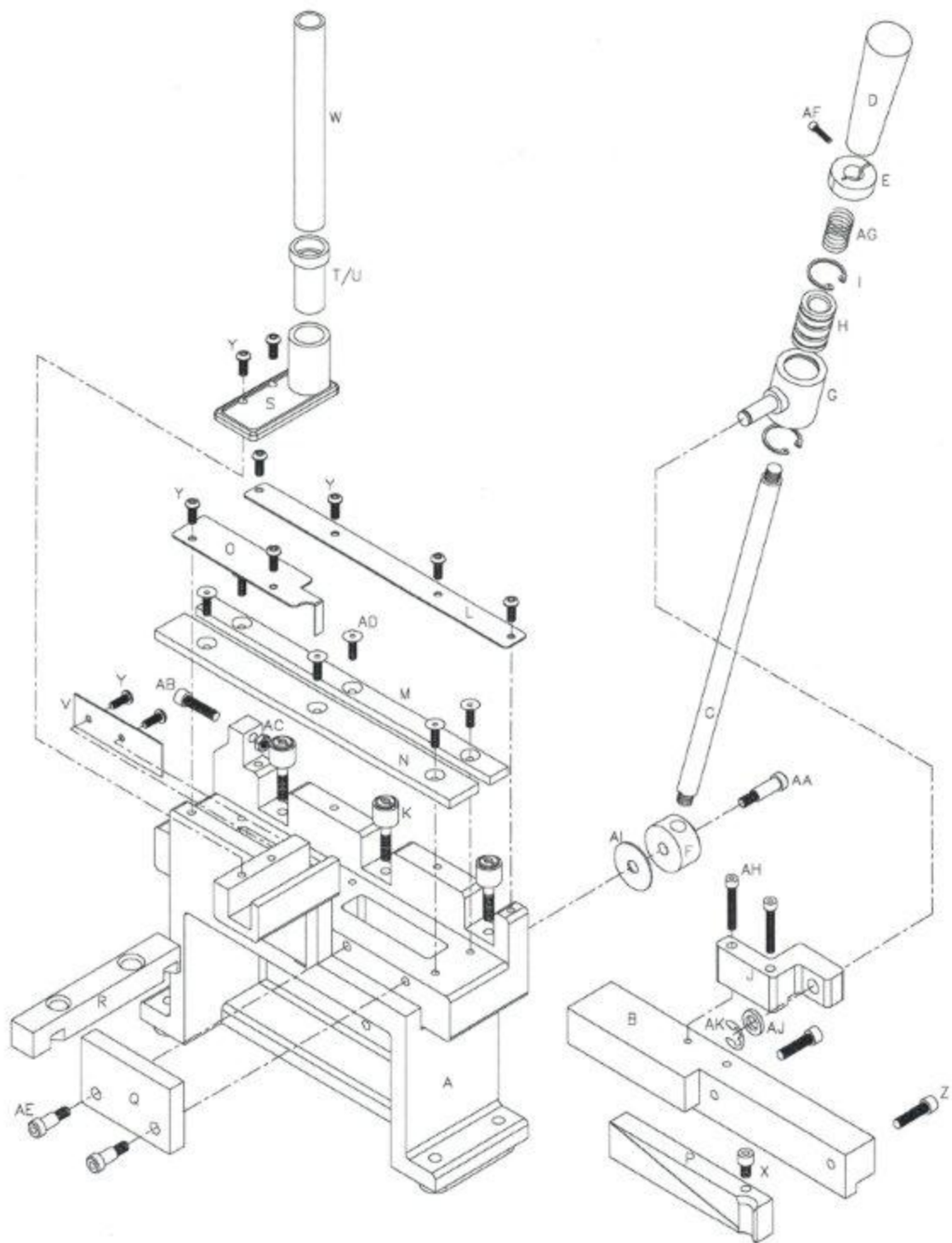
HOW DOES CASE PRO 100 WORK?



When brass is new it has a profile like the drawing on the left. After being used the brass begins to take on a new shape similar to the drawing on the right (this drawing is exaggerated for clarity). The force of the explosion causes the base of the case to expand. This also has the effect of shortening the over all case length. These changes in the case profile may cause the case to chamber improperly slowing or binding mechanisms. The changes may become so severe that the brass will not chamber at all. Case Pro 100 restores brass to allow it to be used again.



When the *Case Transfer Bar* drops a piece of brass into Case Pro for reprofiling it starts in the position shown to the left. When you pull the *Operating Handle* forward, both the *Slide* and the casing move toward the front of Case Pro. As the *Back Up Forming Rail* moves, the forming edge catches under the bulge on the case. As the *Back Up Forming Rail* continues to move forward, the *Forming Edge* moves the bulge toward the top of the case as shown in the middle drawing. At the same time, the fixed *Forming Rail* contains the correct case profile and forces the brass to accept that profile. By the time you have finished pulling the *Operating Handle* forward the bulge has been moved upward to the point where your sizing die can completely remove it!



Case Pro - 100 Part List

Diagram Letter	Quantity	Image Part Number	Part Description
A	1	CP-001	Base
B	1	CP-002	Slide
C	1	CP-003	Operating Handle Shaft
D	1	CP-004	n/a
E	1	CP-005	n/a
F	1	CP-006	n/a
G	1	CP-007	n/a
H	1	CP-007-B	n/a
I	2	CP-007-R	n/a
J	1	CP-008	Pivot Mounting Block (Mounts on Slide CP-002)
K	3	CP-009	Slide Side Cam Followers
L	1	CP-010	Top Confinement Rail Right Side
M	1	CP-011R	Floor Filler Plate Right Side
N	1	CP-011L	Floor Filler Plate Left Side
O	1	CP-012	Top Confinement Rail Left Side
P	1	CP-013	Backup Forming Rail
Q	1	CP-014	Forming Rail
R	1	CP-015	Case Transfer Bar
S	1	CP-016	Transfer Deck Cover
T	1	CP-017	Small In-feed Collar
U	1	CP-018	Large In-feed Collar
V	1	CP-019	Wear Plate
W	1	CP-020	In-feed Tube
X	1	CP-021	1/4-20 x 1/4 Nylon SHCS (into top of back up forming rail CP-013)
Y	10	CP-023	#10-32 x 3/8 Button Head Cap Screws
Z	2	CP-026	1/4-20 x 1 SHCS (Holds backup forming rail CP-013 to slide CP-002)
AA	1	CP-027	1/4-20x5/16 x 3/4 Shoulder Screw (Holds handle end CP-006 to base CP-001)
AB	1	CP-028	1/4-20 x 1 Nylon Cap Screw (Adjustable Stop)
AC	1	CP-030	1/4-20 Nut (Retains adjustable stop screw CP-028)
AD	6	CP-031	10-32 x 1/2 Flat Head SCH (Holds floor Filler Plates CP-011R & CP-011L)
AE	2	CP-032	1/4-20 x 5/16x 1/2 Shoulder Screw (Holds Forming Rail CP-014 to Base)
AF	1	CP-033	n/a
AG	1	CP-035	n/a
AH	2	CP-036	#10-32 x 1-1/4 SHCS (Holds Pivot Mounting Block CP-008 to Slide CP-002)
AI	1	CP-037	1-1/4 Fender Washer
AJ	1	CP-038	n/a
AK	1	CP-039	n/a
Not Shown	1	CP-100A	Manual