

from:  
MAMIYA  
OSAWA CAMERA SERVICE INC.  
85-85 QUEENS BLVD. WOODSIDE, N.Y. 11377

SEIKOSHA

SHUTTER DESIGN CHANGES:

INTERNAL PARTS

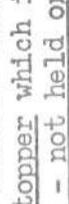
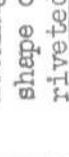
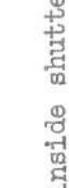
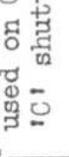
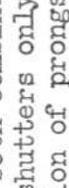
There are currently 2 shutters for Mamiya C-Cameras, Chrome and black. The designs of these shutters have been changed, and the main parts, the slow speed governor, main drive spring and the speed ring have been changed. These new parts are not interchangeable.

Standard slow speed governor 1103000(#35) remains the same and will be available for an indefinite time.

Slow speed governor with pin used on press camera 100 mm lens for press focus lever will be available until stock runs out in Tokyo. The number is 114-3000. The #35 can be used as replacement, but press focus lever cannot be used.

Please note differences of shutter blades on shutters looking at the taking lens from front to rear. In each column is shown the parts which fit with each shutter and which numbers to use when ordering these parts.

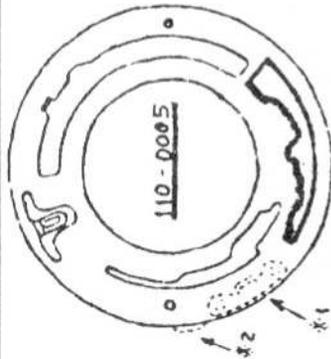


COMBINATION 'A'	COMBINATION 'B'	COMBINATION 'C'
 <p data-bbox="143 368 419 572">Looking inside shutter- screw is used at position arrow points. If screw is used- Gear Trains #730-3028 &amp; 736-3028 cannot be used on this shutter.</p>	 <p data-bbox="143 588 419 823">Looking inside shutter- E-Ring is used at position arrow points.</p>	 <p data-bbox="143 838 419 1387">Looking at shutter- note shape of stopper which is riveted on - not held on by a screw. This is different from stopper in Comb. 'A' &amp; 'B' Shutters.</p>
 <p data-bbox="419 368 728 572">110-2013 Main Drive Spring used on combination 'A' shutter only. NOTE position of prongs.</p>	 <p data-bbox="419 588 728 823">730-2013 Main Drive Spring is used on both combination 'B' &amp; 'C' shutters only. NOTE position of prongs.</p>	 <p data-bbox="419 838 728 1387">#730-2013 Main Drive Spring used on Combinations 'B' &amp; 'C' shutters</p>
 <p data-bbox="728 368 1015 572">A - 1</p>	 <p data-bbox="728 588 1015 823">A - 2</p>	 <p data-bbox="728 838 1015 1387">730-3028</p>

#1103028

#114-3028 W/pin for  
press lens.

Angle "A-1" - Gear Train  
with this angle only; can  
be used with combination 'A'



Speed Ring # 110-0005  
comes 3 ways.  
110-0005 - Flat

All three can be used with  
combination 'A' or 'B'  
Shutters.

#736-3028 #730-3028

This gear train in some  
shutters in U.S.A. -  
but now discontinued.  
Standard # 35 gear train  
can be used as replacement  
but it is very difficult  
to adjust speeds.

Angle "A-2" - is only  
found in this gear train.



138-0005

138-0005 has extra part on  
flat side as per arrow #1



125-0005

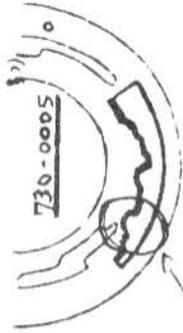
125-0005 has extended arm  
as per arrow #2

736 3028



Only 730-3028 Gear Train is  
used.

#736-3028 is same gear train  
W/pin for press focus lever  
on Press Lenses.  
The "pin" is actually a gear.



#730-0005 Speed Ring  
Note difference in grooves  
for speeds as compared with  
#110-0005 speed ring as used  
on Comb. 'A' shutter.  
Cannot be used on Comb. 'A'  
or 'B' shutters.

Circled position is  
1/125th of a Sec.