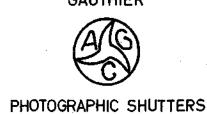




FOTOVERSCHLÜSSE

HINWEISE FÜR REPARATURWERKSTÄTTEN



Service Instructions for PRONTOR Shutters
Models: PRONTOR-PRESS I-10p; p1; p2

1. General Introductory Remarks

The purpose of these service instructions is to assist repairmen in handling repairs rapidly, efficiently, reliably and without any appreciable difficulties. The instructions start with a description of the operation of the shutter and it is advisable to read this paragraph carefully, because knowledge of the functions of the individual components is the basis for understanding the co-ordinated operation of all components in the PRONTOR-PRESS shutter.

Notes

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- a) The PRONTOR-PRESS shutter can only be dismantled after it has previously been removed from the camera.
- b) The numbers used in the text are the line item numbers in the spare parts list.
- c) A reference to right or left in the service instructions refers to the position shown in the illustrations in the spare parts list.

All parts shown in the spare parts list are shown in the position as assembled in the shutter, so that in case of doubt they can be used as reference.

A) Tools for the Repair

Except for the front plate wrench MV 100 and the lever bending tool A2 there are no other special tools required for dismantling and repairing a shutter.

In selecting the screwdrivers it is important, however, to select the right size for the various screws. Wherever screwdrivers of improper size are used, chances are that the slots in the screws will be damaged.



b) Lubricants

The manufacturer lubricates the shutter by means of special pastes at all positions requiring lubrication and this lubrication can be regarded as a life-time lubrication. In doing repair work lubrication is only necessary where parts have been washed or have been replaced by new ones.

From the attached lubrication diagram it can be seen at what points the shutter components have to be lubricated and what lubricant is to be used.

Note

In lubricating the shutter, lubricants other than those indicated in the lubrication diagram must not be used. Oil or grease must not be used in the shutter. The repairman must see that there will be no accumulation of lubricants on edges, in openings and holes. If necessary, the excessive lubricant must be wiped off.

c) Spare Parts

If in repairing a shutter it is necessary to replace parts, only

factory-made spare parts

should be used. These parts can be ordered by using the attached spare parts list as reference. In this respect it is necessary to indicate the exact designation and the part number given in the spare parts list. This is the only way to insure that the correct replacement parts will be supplied.



2. Mode of Operation

Depending upon the respective exposure time set, the single-action pre-set shutter provided with two cable release sockets 16 and 26 can be opened by use of the cable release socket 16 for a longer or a shorter time interval. On the other hand the cable release socket 26 merely serves to simultaneously open the shutter blades 46 and diaphragm blades 49 for pre-viewing.

a) Opening the Shutter and Diaphragm Blades

By actuating a cable release fitted into the cable release socket 26, the shutter blade ring 45 is rotated by the tripping pin 27 striking the lug 108. With the drive ring 44 held in position by spring action, a rotation of the shutter blade ring 45 causes the shutter blades to open and simultaneously the diaphragm opening rivet 109 displaces the diaphragm lever 111 resting against the diaphragm disc 50 thus opening the diaphragm fully.

When the shutter blade ring 45 returns to its original position, the shutter blades 46 close, the diaphragm lever 111 becomes disengaged and the diaphragm disc 50 is rotated by the action of the diaphragm spring 56 - the diaphragm stops down to the aperture set. The integral cam of the diaphragm index ring 58, against which the diaphragm lever 111 rests, governs the size of the diaphragm opening (aperture).

b) Instantaneous Speeds

When actuating the shutter by means of the cable release socket 16, the release lever 24 is displaced so that the long locking rivet moves in front of the locking lug 110 of the shutter blade ring 45 and holds the latter in position, while the cocking latch 102 in positive engagement with the tripping lever initiates the shutter cycle.

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The cocking latch 102 strikes the downward lug of the driving lever 35 and displaces this lever radially toward the rim of the shutter, while the braking latch 104 is moved toward the nozzle.

The driving latch 103 in positive engagement with the driving lever 35 is pressed against the ring lever 29 and a recess of this latch accepts the driving rivet of the ring lever. Before the cocking latch 102 disengages the driving lever 35, the latter strikes the star-shaped locking lever 31b, moves this lever toward the wall of the housing and disengages the ring lever 29 so far locked in position.

After the driving lever 35 has become disengaged by the cocking latch 102, it is displaced by the action of the driving spring 36 toward the nozzle. Simultaneously the driving ring 44 is displaced by the ring lever 29 in engagement with the latter and the shutter blades open. The rest of the shutter cycle is delayed by the braking latch 104 resting against the brake lever 40, until this latch has displaced the brake lever 40 and is permitted to slip past (please also see speed setting system). At the same time the ring lever 29 and the driving ring 44 connected to the latter are returned to their starting positions by the driving latch 103 and the action of the driving spring 31 - the shutter blades 46 close.

c) Setting B

When the shutter is set to "B", the B lever 10, a lug of which rests against the setting ring 3, is disengaged, so that it comes to rest against the long locking rivet of the release lever 24. When the shutter complets its cycle, the B lever 10 moves toward the nozzle and locks the drive ring at the moment of the maximum opening of the shutter blades.



When the pressure on the tripping pin is eased off, the release lever 24 returns to its original position carrying along the B lever 10; the drive ring 44 becomes disengaged and the shutter blades 46 close.

3. Dismantling and Re-assembling the Shutter

a) Dismantling the Shutter

After removing the four fixing screws 51;55 of the bottom 57, this part can be lifted off together with the diaphragm assembly. (For further details please see diaphragm system).

The shutter mechanism is now accessible. The shutter blades 46 can be lifted off directly, the shutter blade ring spring 22 can be unhooked and the shutter blade ring 45 and the drive ring 44 can be removed. The removal of the other parts is relatively simple and only where it is deemed necessary are detailed instructions given in the descriptions of the individual systems.

Note |

Should it be necessary to replace the front plate 2, the setting ring 3 or the click-stop spring 4, the front plate ring 1 must first be unscrewed by use of the front plate retaining ring wrench MV 100.

b) Re-assembling the Shutter

Note

In general the repairman has to see to it that in reassembling the shutter no levers are bent out of position and no springs are stretched, as otherwise there will be no assurance of a proper shutter function. Particular attention must be given to the position of the tripping pin 27, as this part becomes disengaged when the shutter blade ring 45 is removed from the shutter and may slip out of



PHOTOGRAPHIC SHUTTERS

the drilled hole of the cable release socket. The driving spring 36 must be hooked onto the spring rivet 105 of the adjusting lever 38.

Detailed instructions on how to re-assemble the shutter are given in the descriptions of the individual systems.

4. Cocking and Tripping System

The function of the cocking and tripping system has already been described in section 2. The following section contains instructions on how to replace parts, on the assembly and on the correction of defects.

a) Replacing Parts

In order to remove the release lever 24 together with the cocking latch 102, the B lever 10 and the bearing bridge 20 have to first be removed. To facilitate the work in reassembling the shutter, we also recommend the removal of the driving lever 35.

b) Re-assembling the Release Lever 24

Fit the cocking latch spring 21 on the bushing in such a manner that the long spring arm rests against the nozzle and the short arm against the wall of the housing. Place the release lever 24 into the bearing hole provided in the housing, place one arm of the tripping spring 23 against the nozzle and the other arm against the short rivet of the release lever 24, fit on the bearing bridge 20 and screw it in position. Use a pair of pincers to pull the cocking latch spring 21 toward the wall of the housing, lift it a little bit and place it against the spring rivet of the cocking latch 102.



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Defect

1. Shutter does not trip.

Cause of the Defect

- 1. Release lever spring 23 does not press the release lever 24 against the tripping pin 17.
 - 2. Cocking latch 102 does
 - not strike the lug of the driving lever 35.

3. Ring lever 29 does not engage the driving latch 103.

Correction

- 1. Fit in the release lever spring 23 as described under 4b, so that the release lever 24 is pressed against the tripping pin 17.
- 2a. Fit in the cocking latch spring 21 as described under 4b, so that the cocking latch 102 is pressed against the nozzle.
- 2b. Bend the supporting lug of the cocking latch 102 in such a manner that the driving lever 35 is displaced and becomes disengaged in the cocking position.
- 3. Place one arm of the driving latch spring 32 against the spring rivet for the driving spring 36 and insert the other one into the spring hole provided in the driving latch.



5. Slow Speed Assembly and Speed Setting System

Rotating the setting ring 3 controls both the engagement of the brake lever 40 and the engagement and disengagement of the escapement. When the shutter is set for either of the speeds 1, 1/2, 1/4 and 1/8 sec. the escapement is in engagement, whereas the other shutter speeds are controlled by the relative position of the brake lever 40 and the resultant retarding action exerted by the slow speed assembly 8.

After removal of the brake lever 40 and after unscrewing the fixing screws 6 + 7, the slow speed assembly can be removed from the shutter.

Installing the Slow Speed Assembly

Rotate the setting ring 3 to the 1 sec. position, fit in the slow speed assembly 8 and screw it in position. Slip the draw lever of the brake lever 40 on the stud of the gear segment, place the washer 41 on the threaded hole, slide the brake lever 40 over it and screw it in position. After the brake spring 101 is hooked up on the rivet of the gear segment and on the brake lever screw 39, the slow speed assembly 8 is ready for operation.

Note

When assembling the setting ring 3, the repairman has to see to it that the escapement rocker arm and the control rivet of the gear segment, which project through the bottom of the housing, are accepted in the recesses provided in the setting ring 3.



Defect

Cause of the Defect

Correction

- 1. When set for slower speeds the shutter completes its cycle without any retarding action exerted by the slow speed assembly.
- 1. The brake lever 40 is not in engagement; brake spring 101 is unhooked.
- 1. Hook up brake spring 101.

2a. Remove brake

lever 40 and

- 2. The shutter speeds are slower than indicated by the relative positions of the speed setting ring.
- 2a. Brake lever 40 does not move easily: washer 41 has been forgotten.
 - re-install it together with the washer 41.
- 2b. Slow speed assembly is dirty.
- 2b. Replace slow speed assembly.

Adjusting the Shutter Speeds

The shutter speeds can be adjusted by swaging or filing the control cam of the speed setting ring 3.

6. Shutter Blade System

Assembly Instructions

The red mark on the setting ring 3 must be set to "B". Slide the drive ring 44 with the recess under the ring lever 29 in such a manner that its rivet will get into the proper place and the drive ring 44 will be seated on the nozzle. In doing so attention must be given that the lug of the slow speed assembly 106 will rest against the rivet of the escapement rocker arm and that when the drive ring 44 is rotated the

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secured by means of four screws 51;55.



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contact arm 107 presses the contact spring 100 against the flash contact pin (please see flash contact system).

Use a pair of pincers to seize the drive ring spring 31 and place it against the spring rivet of the drive ring 4.

Before the shutter blade ring 45 is fitted in position, the spring 22 of the shutter blade ring must be hooked up on the opening lug 108 and verify that the tripping pin is in the cable release socket. Rotate the shutter blade ring 45 in such a manner that the opening lug 108 will be in front of the tripping pin and place it on the nozzle. For mounting the shutter blades 46 the shutter must be set to "B", opened and arrested in that position. The shutter blades are now fitted clockwise. With the diaphragm fully opened, the bottom 57 must be aligned with the drilled holes for the fixing screws in the housing, placedim position and

Defect	Cause of the Defect	Correction
1. Shutter blades do not close.	1a. Shutter blade ring spring 22 has not been hooked up.	1a. Hook up the shutter blade ring spring 22.
	1b. The drive ring spring 31 is not placed against the drive ring.	1b. Place the drive ring spring 31 against the drive ring.
2. Shutter blades do not open for preview	2. Tripping pin 27 is missing, or not in the cable release socket 26.	2. Fit in the tripping pin 27.

control.



Note

Shutter blades 46 and diaphragm blades 49 must be treated with particular care. Bent parts must be replaced by new ones. Shutter blades and diaphragm blades must be protected from fingerprints which tend to cause corrosion. In general, parts that are not in perfect working condition should be replaced by new ones and only in such cases where replacement parts are not available, the shutter and diaphragm blades should be placed on a flat surface to wipe off the fingerprints by use of a clean cloth.

Oil or grease should never be used neither on the shutter blades nor on the diaphragm blades.

7. Diaphragm System

After unscrewing the three fixing screws 47, the diaphragm covering disc 48, the diaphragm blades 49 and the diaphragm disc 50 can be lifted off from the bottom. The diaphragm index ring 58 carried on a shoulder of the bottom 57 is secured in position by use of the heads of the retaining screws 52.

Re-assembly

The bottom 57 must be placed on the worktable as shown in the spare parts list. In fitting the diaphragm disc 50 the repairman has to see to it that the two rivets come to rest in the two recesses provided in the bottom 57 and that the diaphragm opening lever will be to the left of the rivet. Fit on the diaphragm blades 49 in a counterclockwise direction so that their edges will be aligned with the outside edge of the diaphragm disc, place the flat spring into the slot provided for this spring in the bottom, fit on the diaphragm covering disc 48 in the position shown in the spare parts list and rotate it slightly so that the rivets will come to rest

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PHOTOGRAPHIC SHUTTERS

in the holes. This can more easily be done by use of a pair of pincers or a scriber. Align the diaphragm covering disc 48 with the screw holes and secure it by means of the three screws 47.

Fit the diaphragm spring 56 on the bearing rivet, place the long arm against the rivet of the diaphragm disc and the short arm against the bottom rivet.

The diaphragm blades 49 and the diaphragm disc 50 must move so easily that they can be moved by the action of the diaphragm spring.

8. Flash Contact System

The shutter is X synchronized, i. e. the contact is closed at the position when the shutter blades in opening have to travel another 1.5 to 2 mm to clear the aperture. When the shutter completes its cycle, the contact arm 107 of the drive ring 44 presses the contact spring 100 against the flash contact pin riveted into the wall of the housing and forms a live connection.

<u>Defect</u> <u>Cause of the Defect</u>

1. Although the 1a. The contact is not flash equip- closed, as the ment is in contact arm 107 of proper work- the drive ring 44 ing condition, is bent out of the flash is position. not fired.

Correction

1a. Adjust the contact arm 107 or replace the drive ring 44.

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Defect

Cause of the Defect

- 1b. Drive ring 44 is not properly fitted into position; contact arm 107 is located between the contact spring 100 and the flash contact pin.
- 2. Contact 2.

 making does

 not occur

 at the proper

 position of

 the opening

 travel of the

 shutter blades.
- 2. Contact arm 107 is bent out of position.

Correction

- 1b. Fit in the drive ring 44 in such a manner that the contact arm 107 in being displaced presses the contact spring 100 against the flash contact pin.
 - 2. See 1a.

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Calmbach/Enz

Liste best aus Blatt | 1 - 8 Anz der Änd. Bt.

Gefertigt 9, 3,65 fe. Geprüft Blatt Nr.

Ersatzteilliste Grundmodell I-10

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PRONTOR - PRESS

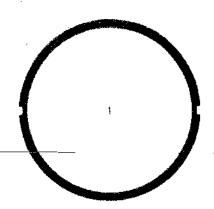
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Gefertigt

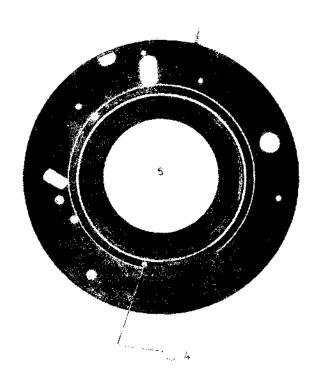
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Geprüft

Blatt Nr. 2

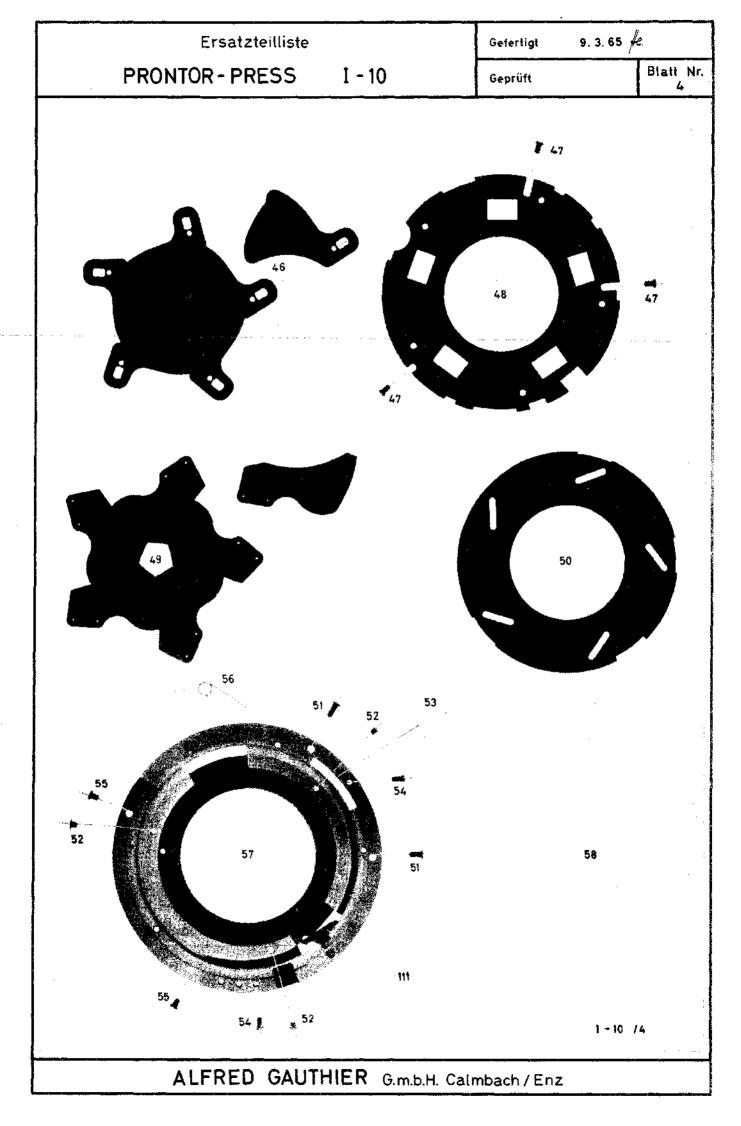


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1 - 10 /2

9.3.65 fe. Ersatzteilliste Gefertigt Blatt Nr. PRONTOR - PRESS I -10 Geprüft 101 33 103 32 102 106 45 - 110 100 1 - 10 /3 ALFRED GAUTHIER G.m.b.H. Calmbach/Enz



PRONTOR - PRESS I-10

Gefertigt

9. 3. 65 fe.

Blatt Nr.

ļ			1 11011		5 Septem 5		
	Pos.	Teil	– Nr.	Stück	Benennung		
	1	IJRX5p	- 239,1	1	Frontplattenring front plate ring		
	2	I - 10	- 143	1	Frontplatte ohne Bild front plate without illustration		
	3	I - 10	- 137	1	Einstellring ohne Bild speed setting ring without illustration		
	4	0376y	- 362	1	Rastenfeder notch spring		
	5	I + 10	- U 1	1-	Kapsel wird nicht abgegeben housing cannot be supplied		
	6	7 000	884	``1	Kemmwerkschraube screw for slow speed assembly		
	7	7 002	003	1	Hemmwerkschraube screw for slow speed assembly		
	8	I - 12	- G 20	1	Hemmwerk wird nur als Ganzes abgegeben slow speed assembly only complete unit can be supplied		
	9	7 002	787	1	Zeithebellagerschraube B – lever bearing screw		
	10	I - 10	- 119	1	Zeithebel B - lever		
	11	I - 10	- 121	1	Zeithebelfeder B - lever spring		
	12	7 002	139	1	Sektorenringschraube shutter blade ring screw		
	13	1JRX5p3	- 127	1	Anschlagplatte stop plate		
	14	IJRX5p	- 73	1	Gewindestift threaded pin		
	15	7 002	977	1	Auslösrohrschraube cable release socket screw		
	16	I - 12	- 123.1	1	Auslösrohr " A " cable release socket " A "		
	17	I - 12	- 1124	1	Auslösstift cable release socket pin		
	18	7 000	985	1	Lagerbrückenschraube bearing bridge screw		
	19	7 002	228	1	Lagerbrückenschraube bearing bridge screw		

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PRONTOR-PRESS I-10

Gefertigt

9. 3. 65 /e.

Blatt Nr. 6

<u> </u>			TINESS TO GENERAL 6					
Pos.	Teil – Nr.	Stück	Benennung					
20	I - 10 - U361	1	Lagerbrücke Bearing bridge					
21	I - 10 - 682	1	Spannklinkenfeder cocking latch spring					
22	IJ8X5p - 133	1	Sektorenringfeder shutter blade ring spring					
23	I - 10 - 150	1	Auslöserfeder release spring					
24	I - 10 - U 85	1	Auslöser release					
25	IJRX5p - 73	2	Gewindestift threaded pin					
26	IJRX5q - 72a	1	Auslösrohr " B " cable release socket " B "					
27	IJRX5 p - ? 4a	1	Auslösstift " B " cable release socket pin " B "					
28	7 002 294	1	Ringhebelschraube ring lever screw					
29	I - 12 - U 67	1	Ringhebel ring lever					
30	7 002 457	1	Zuziehfederschraube closing spring screw					
31	IJRX5 - 107	1	Antriebringfeder drive ring spring					
32.	IJ8X5 - 70	1	Treibklinkenfeder driving latch spring					
33	0JR10 - 102 ₊ 1	1	Treibhebelschraube drive lever screw					
34	JRI - 64	1	Bremsklinkenfeder brake latch spring					
35	1JRX5p - 8 63	1	Treibhebel drive lever					
36	IJRX5 - 103	1	Treibfeder drive spring					
37	7 001 416	1	Regulierhebelschraube adjusting lever screw					
38	IJRX5 - U 45	1	Regulierhebel adjusting lever					
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PRONTOR-PRESS I-10

9. 3.65 4 Gefertigt

Geprüft

Blatt Nr.

	INON	TON	Gepruft 7					
Pos.	Teil – Nr.	Stück	Benennung					
39	3114-20-3220	1	Bremshebelschraube brake lever screw					
40	IJRX5 - V 54,1	1	Brenshetel brake lever					
41	OURXS - 78	1	Unterlegscheibe für Brenshebel wacher for Erake lever					
42	7 000 073	2	Einstellbogenschraube scale band screw					
43	I = 10 + 134	1	Einstellbogen ohne Bild scale band without illustration					
44	I - 10 - U 80	9	Antriumleg drive ring					
45	I - 10 - 0685	1	Sektomanning Shutton (Jame min)					
4ઈ	IJAX5 - 61	5	Sektor saudter blade					
47	7 002 941	3	Irladockscholbeaschrauhe dlaphraga covering disc screw					
48	I - 10 - 10	1	Irisdockscheibe disphrage covering disc					
49	1 + 10 - 0 5	5	Elendensektor disphragm shutter blade					
50	I + 10 - U 8	1	Irisscheibe diaphragm disc					
51	7 001 428	2	Bodenschraubs bettem derem					
52	7 001 431	3	Malteschraube für Iriszeigerring holding screw for diaphragm pointer ring					
53	I - 10 - 13	1	Friktionsfedor friction spring					
54	7 002 876	2	Anschlargebreube für leiszeigerring stop screu for diaphragm pointer ring					
55	7 002 002	2	Bodanschraube bottom screw					
56	I - 10 - 766	4°°	Blendenfeder diaphragm spring					
57	I + 10 - U 2	1	Boden wird micht abgegeben bottom cannot be supplied					
	ALFRED GAUTHIER G.m.b.H. Calmbach / Enz							

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Teil	– Nr.	Stück		Benenr	lung	· · · · · · · · · · · · · · · · · · ·	
I - 10	- 7	1	Iriszeigerring diaphragm pointer ring	ohne Bild without illustra	tion		
			Die Positionszahlen übe The index numbers above	er 100 beziehen sich e 100 refer to the	auf den Text der text of the "Ins	Reparatur - tructions for	Hinweise r Repair Shop
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PRONTOR-PRESS I-10p

Kamera:

Fa. Polaroid USA

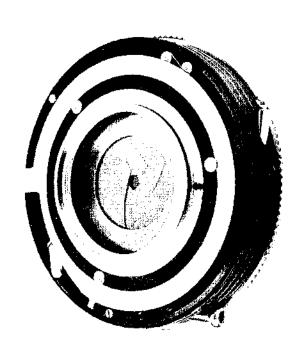
Optik/Lens: Ysaron 1:4,5 / 75

Liste best aus Blatt 1-4 Anz, der Änd, 81.

9. 3. 65 /4. Getertigt Geprüft

Blatt Nr.

3



9. 3.65 4. Ersatzteilliste Gefertigt PRONTOR - PRESS Blatt Nr. 2 I-10 p Geprüft 46 I - 10 p /2

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PRONTOR - PRESS

I -10 p

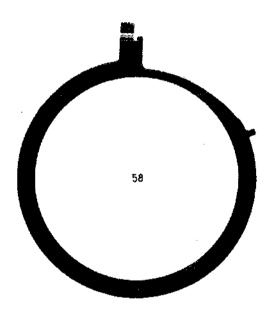
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Geprüft

Blatt Nr.



50a



59

I - 10p /3

PRONTOR - PRESS

I - 10p

Gefertigt 9.3.65 fc

Geprüft Blatt Nr.

			1 (OD Geprair	4
Pos.	Teil – Nr.	Stück	Benennung	
2	I - 10p - 143	1	Frontplatte an Stelle von I - 10 - 143 front plate inst. of I - 10 - 143	
3	I - 10p - 137	1	Einstellring an Stelle von I - 10 - 137 speed setting ring inst. of I - 10 - 137	
5	I - 10p - U 1	1	Kapsel ohne Bild wird nicht abgegeben an Stelle von I - 10 - housing without illustration cannot be supplied inst. of I - 10 -	U1 U1
12	7 002 445	1	Sektorenringschraube an Stelle von 7 002 139 shutter blade ring screw inst. of 7 002 139	
16	I - 12p - 123	1	Auslösrohr "A" an Stelle von I - 12 - 123,1 Cable release socket "A" inst. of I - 12 - 123,1	
26	IJRX5p - 72a	1	Auslösrohr " B " an Stelle von IJRX5q - 72a Cable release socket " B " inst, of IJRX5q - 72a	•
43	I - 10p - 134	1	Einstellbogen an Stelle von I = 10 = 134 scale band inst. of I = 10 = 134	
44	I - 10p - U 80	1	Antriebring an Stelle von I = 10 = U 80 drive ring inst, of I = 10 = U 80	
46	1JRX5p - 61	5	Sektor an Stelle von IJRX5 - 61 shutter blade inst. of IJRX5 - 61	
4 8	I - 10p - 10	1	Irisdeckscheibe an Stelle von I - 10 - 10 diaphragm covering disc inst. of I - 10 - 10	
50	I = 10p = U 8	1	Irisscheibe an Stelle von I - 10 - U 8 diaphragm disc inst. of I - 10 - U 8	
50a	7 002 953	1	Fixierschraube locating screw	
57	I - 10p + U 2	1	Boden onne Bild wird nicht abgegeben an Stelle von I - 10 - 10 bottom without illustration cannot be supplied inst, of I - 10 - 10 $-$ 1	
58	I - 10p - 7	1	Iriszeigerring an Stelle von I - 10 - 7 diaphragm pointer ring inst. of I - 10 - 7	
59	IJRX5p - 164	1	Anschraubring flange	
			·	
			·	
		-	Die übrigen Teile nach Grundmodell I = 10 The remaining parts as per basic model I = 10	
		ALF	RED GAUTHIER G.m.b.H. Calmbach / Enz	

PRONTOR - PRESS I-10 p1

Fa. Polaroid ÚSA

Anz.der Änd, Bl. Gefertigt 9, 3.65 /e.

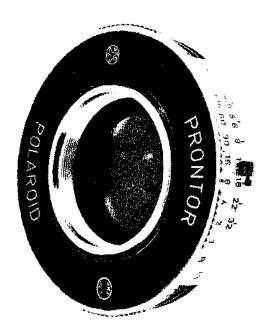
Blatt Nr.

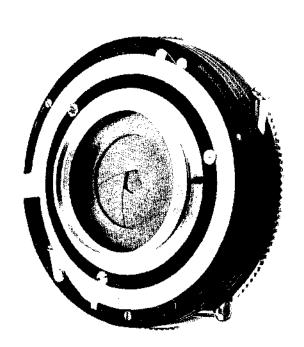
Kamera:

Optik/Lens: Ysaron 1:4,5 / 105

Geprüft

Liste best.aus Blatt





9. 3. 65 fe Ersatzteilliste Gefertigt Blatt Nr. 2 PRONTOR - PRESS I -10 p1 Geprüft 43 46

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30 31 12

PRONTOR - PRESS

I-10 p1

Gefertigt

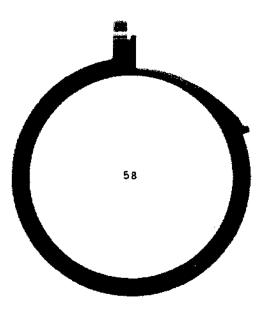
9. 3.65 fe

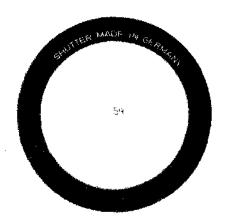
Geprüft

Blatt Nr.



50a





1-10 pt / 3

F	rc	ai	7	ł۵	ill	li	ste

PRONTOR - PRESS I-10 p1

Gefertigt 9. 3.65 #e

Geprüft Blatt Nr.

<u> </u>	PRUNI	UK	-PRESS 1-10 p1 Geprüft 4
Pos.	Teil – Nr.	Stück	Вепеппипд
2	I - 10p - 143	1	Frontplatte an Stelle von I - 10 - 143 front plate inst, of I - 10 - 143
3	I - 10p - 137	1	Einstellring an Stelle von I - 10 - 137 speed setting ring inst. of I - 10 - 137
5	1 - 10p - U 1	1	Kapsel ohne Bild wird micht abgegeben an Stelle von I - 10 - U1 housing without illustration cannot be supplied inst. of I - 10 - U1
12	7 002 445	. 1	Sektorenringschraube an Stelle von 7 002 139 skuttor blade ring screw inst. of 7 002 139
1 6	I - 12p + 123	1	Auslösrohr " A " an Stelle von I - 12 - 123.1 cable release socket " A " inst. of I - 12 - 123.1
26	IJRX5p - 72a	1	Auslösrohr "B" an Stelle von IJRX5q - 72a cable release Socket "B" inst. of IJRX5q - 72a
43	I - 10p1 - 134	1	Einstellbogen an Stelle von I = 10 + 134 scale band inst. of I = 10 - 134
44	I = 10p = U 80	1	Antriebring an Stelle von I - 10 - U 80 drive ring inst. of I - 10 - U 80
46	IJRX5p - 61	5	Sektor an Stelle von IJRX5 - 61 shutter blade inst. of IJRX5 - 61
48	I - 10p1 - 10	1	
50	I - 10p - U 8	1	Irisscheibean Stelle von I - 10 - 8 8diaphragm discinst. of I - 10 - 9 8
50a	7 002 953	1	Fixierschraube locating screw
57	I - 10p - U 2	1	Boden ohne Bild wird nicht abgegeben an Stelle von I - 10 - U2 bottom without illustration cannot be supplied inst. of I - 10 - U2
58	I - 10p1 - 7	1	Iriszeigerring an Stelle von I - 10 - 7 diaphragm pointer ring inst. of I - 10 - 7
59	IJRX5p - 164	1	Anschraubring flange
		_	
			Die übrigen Teile nach Grundmodell I - 10 The remaining parts as per basic model I - 10
		,	

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PRONTOR-PRESS I-10 p2

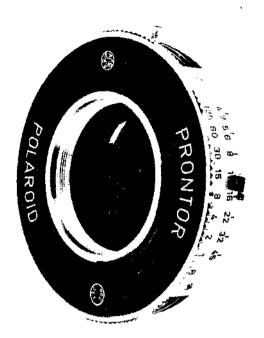
Fa. Polaroid USA

Kamera:

Optik/Lens: Ysarex 1:4.7 /127

Liste best aus Blatt 1 ~ 4 Anz.derÄnd.Bl.

Gefertigt 9.3.65 fe. Geprüft Blatt Nr.





9. 3.65 /e Ersatzteilliste Gefertigt Blatt Nr. 2 PRONTOR-PRESS I-10 p2 Geprüft A. 12 43 46

I - 10p2 /2

PRONTOR - PRESS

I-10 p2

Gefertigt

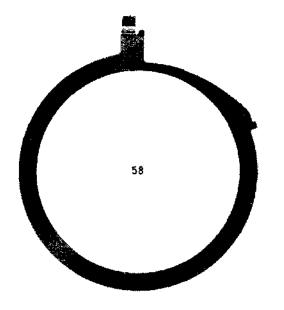
9.3.65 /

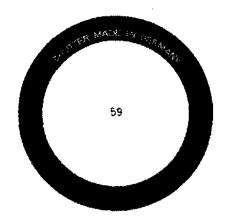
Geprüft

Blatt Nr. 3

50

⇒ 50a





1-10p2 /3

PRONTOR - PRESS

I-10 p2

Gefertigt

Geprüft

9, 3, 65

Blatt Nr.

4 Pos. Teil - Nr. Stück Benennung an Stelle von I - 10 - 143 Frontplatte I - 10p - 143 I = 10 - 143front plate inst. of an Stelle von I - 10 - 137 Einstellring 3 I + 10p - 137speed setting ring inst, of I - 10 - 137 wird nicht abgegeben an Stelle von I - 10 - U 1 ohne Bild Kapsel 5 I - 10p - U 1 1 housing without illustration cannot be supplied inst. of I - 10 - U 1 an Stelle von 7 002 139 Sektorenringschraube 7 002 445 12 shutter blade ring screw inst. of 7 002 139 Auslösrahr " A " an Stelle von I - 12 - 123.1 16 I - 12p - 123 I - 12 - 123.1 cable release socket " A " inst. of Auslösrohr " B " an Stelle von IJRX5g - 72a 26 IJRX5p - 72a inst. of IJRX5q - 72a cable release socket " 8 " Einstellbogen an Stelle von I - 10 - 134 I - 10p2 - 134 43 inst. of I = 10 = 134scale band an Stelle von I - 10 - 8 80 <u>Antriebring</u> I - 10p + U 80 44 drive ring inst, of I = 10 - U 80 Sek tor an Stelle von IJRX5 🗻 61 46 IJRX5p - 61 shutter blade inst, of IJRX₽ an Stelle von I - 10 -Irisdeckscheibe I - 10p2 -48 I - 10 - 10 diaphragm covering disc an Stelle von I - 10 - U 8 Irisscheibe 50 I + 10p - U 8 1 I - 10 - U 8 diaphragm disc inst. of Fixierschraube 50a 7 002 953 1 locating screw wird nicht abgegeben an Stelle von I - 10 - U2 ohne Bild Boden 57 1 - 10p - U 2 bottom without illustration cannot be supplied inst. of 1 - 10 - 12 Irismeigerring an Stelle von I - 10 -58 I - 10p2 -1 diaphragm pointer ring inst. of I - 10 -Anschraubring 59 IJRX5p - 164 flange Die übrigen Teile nach Grundmodell The remaining parts as per basic model I - 10

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Service Instructions for PRONTOR Shutters
Models PRONTOR-PRESS I-12p and I-12p1

1. General Introductory Remarks

The purpose of these service instructions is to assist repairmen in handling repairs rapidly, efficiently, reliably and without any appreciable difficulties. The instructions start with a description of the operation of the shutter and it is advisable to read this paragraph carefully, for the knowledge of the functions of the individual components is the basis for understanding the co-ordinated operation of all components in the PRONTOR-PRESS shutter.

Notes

- a) The PRONTOR-PRESS shutter can only be dismantled after it has previously been removed from the camera.
- b) The numbers used in the text are the line item numbers in the spare parts list.
- c) A reference to right or left in the service instructions refers to the position shown in the illustrations in the spare parts list.

All parts shown in the spare parts list are shown in the position as assembled in the shutter, so that in case of doubt they can be used as reference.

a) Tools for the Repair

Apart from the front plate wrench MV 100 and the lever bending tool A2 there are no other special tools required for dismantling and repairing a shutter.

In selecting the screwdrivers it is important, however, to select the right size for the various screws. Wherever screwdrivers of improper size are used, chances are that the slots in the screws will be damaged.



b) Lubricants

The manufacturer lubricates the shutter by means of special pastes at all positions requiring lubrication and this lubrication can be regarded as life-time lubrication. In doing repair work lubrication is only necessary where parts have been washed or been replaced by new ones.

From the attached lubrication diagram it can be seen at what points the shutter components have to be lubricated and what lubricant is to be used.

<u>Note</u>

In lubricating the shutter, lubricants other than those indicated in the lubrication diagram must not be used. Oil or grease must not be used in the shutter. The repairman must see that there will be no accumulation of lubricants on edges, in openings and holes. If necessary the excessive lubricant must be wiped off.

c) Spare Parts

If in repairing a shutter it is necessary to replace parts, only

factory-made spare parts

should be used. These parts can be ordered by using the attached spare parts list as reference. In this respect it is necessary to indicate the exact designation and the part number given in the spare parts list, for this is the only way to insure that the correct replacement parts will be supplied.

2. Mode of Operation

By actuating the tripping lever 21 (or the cable release) the PRONTOR-PRESS single-action shutter is cocked and tripped. When the cocking lever is actuated, the cocking latch 102



PHOTOGRAPHIC SHUTTERS

pivotally riveted to the tripping lever 21, strikes the stop lug of the drive lever 31 and displaces the latter radially toward the rim of the shutter. An integral raised lug of the drive lever 31 strikes a star-shaped locking lever 108 riveted to the shutter blade ring 41, which locks the drive ring 40, and displaces this ring toward the rim of the shutter. At the same time the brake latch 104 pivotally riveted to the driving lever 31, slides along the abutment of the brake lever 36 toward the nozzle. Just before the end of the cocking travel the driving latch 104 riveted to the driving lever, engages the ring lever; and the cocking latch 102 displaces the lever 27, preventing the tripping of the shutter, toward the rim of the shutter, then the driving lever 31 becomes disengaged and the shutter completes its cycle.

The shutter cycle involves the following operations:

During the return travel of the drive lever 31 the driving latch 103 displaces the ring lever 24 and the drive ring 40 connected to it, the shutter blades 43 open and depending upon the previously set shutter speed, the cycle is delayed by the action of the slow speed assembly 8 and of the brake lever 36 (see speed setting system).

The brake lever 36 returning to its original position while the shutter completes its cycle, disengages the braking latch 104, while simultaneously the ring lever 24 driven by the driving latch 103, returns the driving ring 40 to its starting position - the shutter blades close and the star-shaped locking lever 108 engages the drive ring lug and thus prevents bouncing of the shutter blades 43.

When the tripping lever 21 becomes disengaged, the ring lever 24 becomes again engaged by the tripping prevention lever 27.



b) Time Exposures "B" or "T"

When set for instantaneous speedsthe locking lever 11 and the B lever 10 resting against the locking lever are displaced toward the rim of the shutter by the integral control slot of the setting ring 3 to such an extent that the driving lever 31 slips past.

Setting "B"

When the setting ring 2 is rotated to the position "B", the locking lever becomes disengaged to such an extent that the B lever 10 rests only against the raised lug of the tripping lever 21.

When the shutter completes its cycle, the B lever 10 travels in the direction of the nozzle, so that the drive lever 31 is stopped in operation and kept in position when the shutter blades are completely opened. During the return travel the raised lug of the tripping lever 21 is displaced toward the rim of the shutter and the driving lever 31 becomes disengaged permitting the shutter to complete its cycle and the shutter blades to close.

Setting "T"

When the shutter is set for "T" the locking lever 11 is completely disengaged from the setting ring and rests against the driving lever 31. Similar to setting "B", when the shutter completes its cycle, the B lever 10 stops the driving lever 31 when the shutter blades are open, while the locking lever 11, still resting against the raised lug of the tripping lever 21, has not returned to its original position.



Permitting the tripping lever 21 to return to its original position entails the following operations:

The locking lever 11 and the B lever 10 are simultaneously moved by the raised lug of the tripping lever 21. While the locking lever, which is a little shorter than the B lever 10, moves right in front of the abutment of the driving lever 31, the B lever is displaced toward the rim of the shutter, so that the driving lever 31 rests only against the locking lever 11.

The tripping lever 21 is caught by the integral locking abutment of the locking lever 11, so that the cycle of the shutter is interrupted and the shutter blades stay open. A repeated actuation of the tripping lever 21 in the cocking direction causes the locking lever 11 to be likewise displaced toward the rim of the shutter, the driving lever 31 becomes disengaged, the shutter completes its cycle and the shutter blades 43 close.

3. Dismantling and Re-assembling the Shutter

a) Dismantling the Shutter

After removing the four bottom screws 49, the bottom 50 together with the diaphragm system can be lifted off (for details please see diaphragm system - sheet 11).

The shutter blades 43 can be lifted off immediately. The star-shaped locking lever 106 has to be seized by use of a pair of pincers and moved a little bit toward the rim of the shutter thus making the shutter blade ring 41 accessible and it can then be lifted off. The drive ring 40 must first be lifted slightly at the slow speed assembly 8 and then pulled out from underneath the ring lever 24.

The removal of the other parts is relatively easy and only in such cases where it is deemed necessary are details given in the descriptions of the individual systems.



Note

Should it be necessary to remove the front plate 2, the setting ring 3, or the detent notch spring 4, the front plate ring 1 must first be removed by means of the front plate ring wrench MV 100.

b) Re-assembling the Shutter

In general, attention must be given that in re-assembling the shutter no levers will be bent and no springs stretched, as otherwise there will be no assurance of a proper shutter function.

Further details will be given in the descriptions of the individual systems.

4. Cocking and Tripping System

The mode of operation of the cocking and tripping system has already been described in section 2. The following paragraph contains instructions on how to replace parts, on the assembly and on the correction of defects.

a) Replacing Tripping Lever and Driving Latch

The B and locking lever spring 20 is unhooked from the B lever by use of a pair of pincers. Similarly the driving spring is unhooked from the driving lever 31. Then after loosening the locking lever screw 9, the locking lever 11 and the B lever 10 and after removing the driving lever screw 29, the driving lever 31 is removed from the shutter. When removing the bearing bridge screw 17, the driving latch spring 22 must be held in position by use of a pair of pincers to avoid flipping off of the spring. After removing the bearing bridge 18, the tripping lever 21 and the driving latch 102 become accessible and can be removed from the shutter after the tripping spring has previously been unhooked.



PHOTOGRAPHIC SHUTTERS

b) In assembling the shutter the repairman must first see to it that the cable release socket pin 15 is in the cable release socket 14. Then the tripping lever 21 together with the hooked-up tripping spring 21a is fitted into the shutter. The spacing bushing 19 and then the bearing bridge 18 are placed in position and screwed on by means of the bearing bridge screw 16.

The cocking latch spring 22 has to be placed over the spacing bushing 19 and to be held by use of a pair of pincers in such a manner that both arms of the spring are held in position. Slide the spacing bushing 19 and the driving latch spring 22 under the bearing bridge 18 and fit in and tighten the bearing bridge screw 17. The long arm of the spring must be placed against the rivet underneath the driving latch spring 102. To fit in the driving lever 31, the ring lever 24 and the tripping prevention lever 27 have to be turned toward the right (clockwise) and placed against the wall of the housing.

Tighten the B and locking levers 10 and 11. Remove the B and locking lever spring 20 from the bearing bridge, place one spring arm into the hole drilled for the spring in the locking lever 11, push it back onto the bearing rivet and place the other spring arm against the lug of the B lever 10.

<u>Note</u>

During the initial period of the manufacture the shutters were only fitted with the driving latch spring 22 (part no. IJRX5-93). When the driving latch spring 22 was modified and fitted into the shutter by means of a spacing bushing 19, the shutter was also fitted with the tripping spring 21a. The cycle of operations of the shutters that are only fitted with the driving latch spring 22, is the same as previously described in section b and only the assembly is slightly different.



PHOTOGRAPHIC SHUTTERS

De	f	e	C	t
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1. Shutter does not cock.

1b Shutter does

not cock.

Cause of the Defect

- Driving latch spring
 does not rest
 against the spring
 rivet.
- 1b Tripping prevention lever 27 does not rest against the ring lever 24, so that the cocking latch 102 is blocked.
- 2. Tripping lever 2 21 does not or only very reluctantly return to its starting position.
- 3. Shutter cocks but does not trip.
- Tripping lever spring
 21a is not hooked up
 or may be stretched.
- 3a Driving latch spring is not placed in position.

3b The ring lever 24 is not in the recessed portion of the drive ring 40.

Correction

- 1. Seize the cocking latch spring 22 and place it against the spring rivet of the driving latch 102.
- 1b Rotate the tripping prevention lever 27 clockwise to such an extent that during the return travel it is stopped by the ring lever 24.
- 2. Hook up or replace tripping lever spring 21a.
- 3a Insert the driving latch spring 28 into the drilled hole of the driving latch and place the other spring arm against the rivet for the driving spring 32.
- 3b Properly fit in the drive ring 40 (see shutter blade system).



PHOTOGRAPHIC SHUTTERS

Defect

4. When set for 4 slower instantaneous speeds the shutter completes its cycle, i. e. although the shutter has been set for a speed of 1 sec. the shutter blades close immediately.

Cause of the Defect

4. The driving spring 32 is not properly hooked up.

Correction

4. Hook up the driving spring 32.

5. Slow Speed Assembly and Speed Setting System

By rotating the setting ring 3 both the engagement of the brake lever 36 and the engagement and disengagement of the escapement are controlled. Whereas the shutter speeds from 1/60 to 1/15 sec. are attained exclusively by action of the gear train, for the speeds from 1/8 to 1 full second the escapement is brought into engagement.

The top speed of 1/125 sec. is attained without engagement of either the escapement or the gear train.

The integral speed control cam of the speed setting ring 3 governs the starting position of the brake lever 36 controlling the exposure time. Before the slow speed assembly 8 can be removed from the shutter, the brake lever 36 must be removed from the shutter, so that after the two fixing screws of the slow speed assembly 6 and 7 have been unscrewed, the slow speed assembly can be lifted off.

For fitting the slow speed assembly 8 into the shutter, the setting ring has to be rotated to the 1 sec. position. Then the slow speed assembly 8 can be fitted and screwed on.



PHOTOGRAPHIC SHUTTERS

The brake lever 36 must be placed on the bearing pin of the gear segment. The washer must be placed on the threaded hole and the brake lever 36 goes on top of it and is screwed into position. Place the brake lever spring 101 into the groove of the brake lever screw 35 and against the rivet of the gear segment.

Defect

Cause of the Defect

Correction

- 1. When set for 1. Brake lever spring slower instantaneous speeds the shutter completes its cycle instantly. Please also see defect 4 in the cocking and tripping system.
 - 101 does not rest in position, so that the brake lever 36 cannot stop the braking latch 104.
- 1. Place brake lever spring 101 against the gear segment and against the brake lever screw as described in paragraph 5.
- 2. Shutter speeds 2. Brake lever 36 does are slower than not move easily; provided for by washer 37 has been the program. omitted.
- 2. Remove the brake lever 36 and reinstall it together with washer 37.

Hint for Making Adjustments

The shutter speeds can be adjusted by filing or swaging the integral speed control cam of the setting ring. The shutter speeds can only be accurately tested by use of a shutter speed tester.



6. Shutter Blade System

Assembly

Place the driving ring 40 with the recessed portion under the ring lever 24 in such a manner that the rivet will fit into the recess. It must be noted that the contact lug 107 is located before the contact spring 100 and that the pin of the escapement lever comes to rest against the abutment 106. Seize the star-shaped locking lever 106 by use of a pair of pincers as described in section 3a, move it toward the rim of the shutter and fit in the shutter blade ring 41 in such a manner that the locking lever screw 9 will be accepted by the small rectangular hole.

For assembling the shutter blades 43, rotate the setting ring to "T" and trip the shutter once. Starting from the cable release socket 14, the shutter blades must be assembled clockwise, with the last shutter blade coming to rest on top of the first one. Then the bottom with the diaphragm system must be placed on and screwed in position.

Note

Shutter blades and diaphragm blades must be handled with particular care and protected against fingerprints. As a rule diaphragm blades and shutter blades that are not in perfect condition should be replaced. Diaphragm blades and shutter blades should never be oiled or greased.

7. Diaphragm System

After removing the diaphragm covering disc 45 mounted to the bottom 40 of the shutter by means of three screws, the diaphragm blades become accessible.



Assembly

Place the diaphragm covering disc 45 in front of you as illustrated in the apare parts list and assemble the diaphragm blades clockwise so that the rivets project into the drilled holes. Open or close the diaphragm blades in such a manner that they form a circle of the same diameter as the opening. Fit the diaphragm pointer disc 48 into the bottom 50 of the shutter and rotate it so that the pointer as seen from the nozzle will come to a stop in a clockwise direction. Adjust the diaphragm covering disc 47 and the bottom 50 according to the threaded holes and place the bottom together with the diaphragm pointer disc on top of the diaphragm covering disc with the diaphragm blades.

A slight rotation of the diaphragm covering disc 48 causes the rivets to project into the slots of the diaphragm pointer disc and that the diaphragm covering disc can be screwed to the bottom.

Defect Cause of the Defect Correction

- 1. Diaphragm pointer 1a. The diaphragm pointer 1a. Fit in new disc 48 does not disc or the diaphragm discs. move easily. covering disc is bent out of position.
 - 1b. Diaphragm blades are damaged.

1b.Replace diaphragm blades.

8. Flash Contact System

When the shutter completes its cycle, the contact 107 of the drive ring 40 presses the flash contact spring 100 against the strobe connector riveted into the wall of the shutter housing and thus forms a live connection.



Defect

1. With the flash equipment in proper working condition, it does not fire.

Cause of the Defect

- 1a. The contact is not closed, because the contact lug 102 of the driving ring is bent out of position.
- 1b. Drive ring 40 is not 1b. Fit in the properly installed; contact lug 107 is located between flash contact spring 100 and contact pin.

Correction

- 1a. Adjust the contact lug 107 or replace the drive ring 40.
 - driving ring 40 in such a manner that when the driving ring is rotated the contact lug 107 presses the flash contact spring 100 against the strobe connector.

contact spring

- 1c. Flash contact spring 1c. Adjust the flash 100 is bent out of position.
- 2. Contact does take place at the moment when the shutter blades reach the proper position.
 - 2. Contact lug 107 is bent out of position.
- 2. see 1a.

100.



PRONTOR-PRESS I-12 LUBRICATION DIAGRAM

Item No.	Designation	Lubricant	Lubrication Aids	Remarks - Lubrication Points
3	Setting ring	Losoid 70		Inside diameter, control slots and bearing surfaces on both sides
5	Housing	BR 2	MV 160/2	Tripping lever 21, bearing bushing
		Molykote paste G rapid		Drive ring seat
10 11	B lever Locking lever	BR 2 BR 2	Brush Brush	Bearing hole, supporting surface and stop abut- ment for the drive lever 31
14	Cable release socket	Losoid 70	MV 161/3	Drilled hole
15	Cable release socket pin	G rapid		Drive surface
24	Ring lever	G rapid	· · · · · · · · · · · · · · · · · · ·	Bearing hole
26	Spring of the tripping prevention lever	Losoid 70	Grease pad	
28	Driving latch spring	Losoid 70	Grease pad	
31	Driving lever	BR 2	Brush	Bearing hole and driving edge
36	Brake lever	BR 2	MV 161/4 Brush	Drilled hole Stopping abutment
40	Drive ring	G rapid		Recess for ring lever rivet
		BR 2	Brush	Disconnecting lug 106
102	Cocking latch			Point of impact of the tripping pin
		BR 2	Brush	Driving edge
103	Driving latch	G rapid	Brush	Recess accepting the rivet of the ring lever

GAUTHIER

INSTRUCTIONS FOR REPAIR SHOPS



BR 2 and G rapid are Molykote pastes.

Grease pad - a piece of felt impregnated with a lubricant.

To introduce the lubricants into the drilled holes please use either the lubricating awls (MV 161/...) referred to or metal sticks of the respective diameter.

Please note the instructions under 1b.

PRONTOR - PRESS

I - 12

Liste best.aus Blatt 1 - 7 Anz.der Änd. Bl. 8 -

Gefertigt 26. 2. 65 /e. Geprüft Blatt Nr.

Kamera: Optik/Lens:





PRONTOR - PRESS

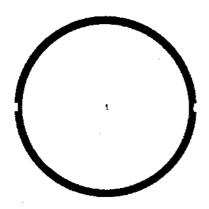
I - 12

Gefertigt

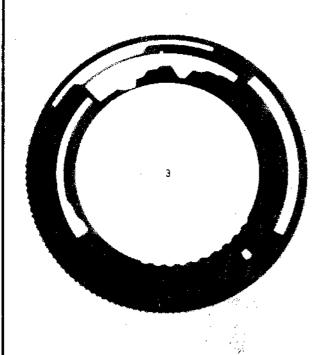
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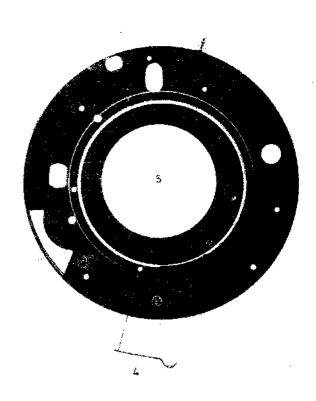
Geprüft

Blatt Nr. 2

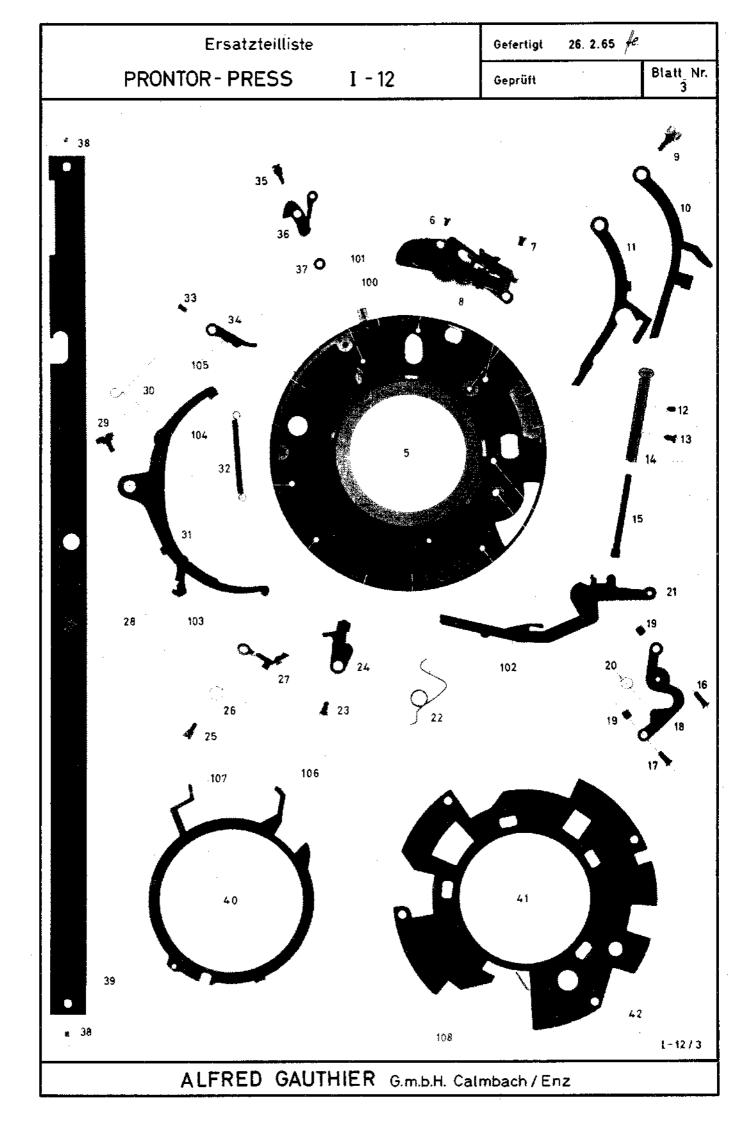




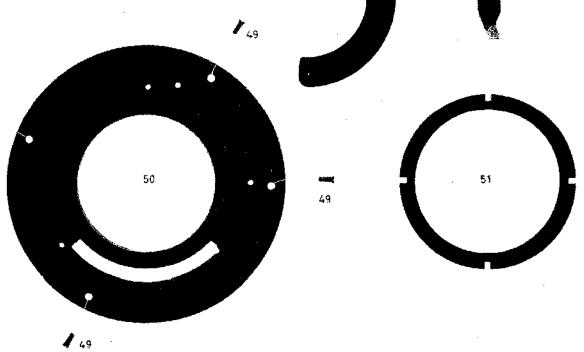




1-12 / 2



26. 2.65 fe Ersatzteilliste Gefertigt Blatt Nr. PRONTOR - PRESS I - 12 Geprüft **₽** 44 48 46 **/**49



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1-12/4

PRONTOR - PRESS I - 12

26. 2.65 fe. Gefertigt

Geprüft

Blatt Nr.

, T		}	3
Pos.	Teil – Nr.	Stück	Benennung
1	IJRX5p - 239.1	1	Frontplattenring front plate ring
2	I - 12 - 143	1	frontplatte front plate
3	I - 12 - 137	1	Einstellring speed setting ring
4	0376y - 36 2	1	Rastenfeder notch spring
5	I - 12 - U 1	1	Kapsel wird nicht abgegeben housing cannot be supplied
6	7 0 00 884	1	Hemmwerkschraube screw for slow speed assembly
7	7 002 002	1	Hemmwerkschraube screw for slow speed assembly
3	I - 12 - G 20	1	Hemmwerk wird nur als Ganzes abgegeben slow speed assembly colly complete unit can be supplied
9	7 000 616	1	Sperrhebelschraube locking lever screw
10	I - 12 - 119	1	Zeithebel B - Iever
11	I - 12 - U122	1	Sperrhebol locking lever
12	IJRX5p - 7 3	1	Gewindestift threaded pin
13	7 002 026	1	Auslösrohrschraube cable release socket screw
14	I - 12 - 123.1	1	Auslösrohr cable release socket
15	1 - 12 - U124	1	Auslösstift cable release socket pin
16	7 002 992	1	Lagerbrückenschraube bearing bridge screw
17	7 001 443	1	Lagerbrückenschraube bearing bridge screw
18	I - 12 - U361	ī	Lagerbrücke bearing bridge
19	I - 13 - 464	2	Distanzbüchse distance bushing
		ALF	RED GAUTHIER G.m.b.H. Calmbach / Enz

PRONTOR - PRESS I - 12

Gefertigt

26. 2.65 *fe.*

Seprite

Blatt Nr. 6

Pos.	Teil – Nr.	Stück	Senenni .
20	I + 12 + 121.1	7	Zeji and Sperrhebelfoder G and locking lever spring
21	I - 12 - U 85	4	relessa Analúson
5.5 6.5 6.5	I - 12 - 682	1	Spancklintenfeder croking laton spring
25	7 002 294	A CANADA SA CALABANA	Simphebelschraube ring lover screw
(c)	I - 12 - 8 67		äinghebel ring lever
25	7 000 604	The second second	Austinospernhebelschräubc relaase stop lever so:ov
26	I - 12 - 159	4	Auslösespernhabelfeder release stop lever serew
27	I - 12 - 156	d d	Ausläsasperrhebel relsaes stop laver
26	IJAX5 - 70	1	Treibklinkenfader driving latch spring
29	0JA10 = 102,1	1	Treibhobelschraube drivs lover screw
30	JRI - 64	4	Eromsklinkenfoder brake latch spring
31	I + 12 - U 95	1 T	Trainhebol Grive lever
32	I - 12 - 132	4	Truiblader drive spring
33	7 001 416	1	Regulierhebelsenraube adjusting lever spring
34	1J7X5 - U 45	Carried participation of the second	Recalierhebel ###################################
35	3114 - 25 - 3220	The state of the s	Rogashabalschraube brake lever scras
36	IJRX5 - 8 34.1	1	Bramshebel brake lever
37	OJRX5 - 78	7	Unterlegscheibe für Bremshebel washer for brake lever
38	7 000 073	2	Einstellbogenschraube scale band screw

ALFRED GAUTHIER G.m.b.H. Calmbach / Enz

PRONTOR - PRESS I - 12

26. 2.65 fe Gefertigt

Geprüft

Blatt Nr. 7

_			TICOS I IZ Gepruit 7
Pos.	Teil – Nr.	Stück	Benennung
39	I - 12 - 134	1	Einstellbogen scale band
40	I - 12 - U 80	1	Antriebring drive ring
41	I - 12 - U685*1	1	<u>Sektorenring</u> Shutter blade ring
42	I - 12 - 971	1	Sternsperrhebelfeder drive ring lock spring
43	IJRX5 + 61	6	Sektor shutter blade
44	7 002 002	3	Irisdeckscheibenschraube diaphragm covering disc screw
45	IJRX5 - 8.2	1	Irisdeckscheibe diaphragm covering disc
46	IJRX5p - 591	1	Federring spring ring
47	I - 12 - U 5	10	Irislamelle diaphragm blade
48	I - 12 - 7	1	Iriszeigerscheibe diaphragm pointerdisc
49	7 001 443	4	មិលdenschraube bottom screw
50	I - 12 - 2	1	Boden wird nicht abgegeben bottom cannot be supplied
51	JRI → 71	1	Anschraubring flange
			Gig Positionszahlen über 100 beziehen sich auf den Text der Reparatur - Hinweise The Index numbers above 100 refer to the text of the "Instructions for Repair Shops
			-
		٩LF	RED GAUTHIER G.m.b.H. Calmbach / Enz

Geänderte Teile / Changed parts

Gefertigt

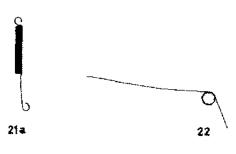
26. 2. 65 fe

Blatt Nr.

PRONTOR - PRESS

I -12

Geprüft



I-12/8

			Geänderte Teile / Change - PRESS I - 1			26. 2.65 <i>fe</i>	Blatt Nr
				AND THE PROPERTY OF THE PROPER	Geprüft		9
os.	Teil - Nr.	Stück		Benennung			Änd. Nr
1a	IJRX5 - 52	1	Auslöserfeder release spring	an Stelle inst. of	von I-12 - I-12 -	682 682	5304
2		1	Spannklinkenfeder cocking latch spring	an Stelle inst. of	I-12 -	682	11
-							
						_	
			 				
1	-			<u> </u>			
+				<u> </u>			
1							
			· · · · · · · · · · · · · · · · · · ·				
1							
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		+					
\bot			RED GAUTHIER	· · · · · · · · · · · · · · · · · · ·	·		

PRONTOR-PRESS I-12p Fa. Polaroid, USA

Anz. der Änd. Bl.

Liste best.aus Blatt 1-4

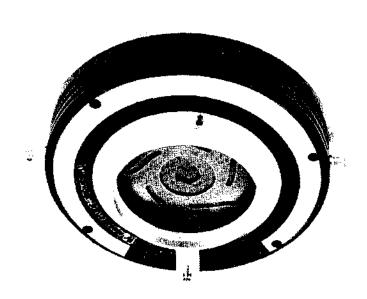
Blatt Nr.

Kamera:

Optik/Lens: Ysaron 1:4,5/75

Gefertigt 26.2.65 # Geprüft





PRONTOR-PRESS

I-12 p

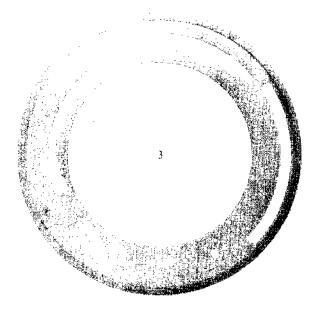
Gefertigt

26. 2.65 fe.

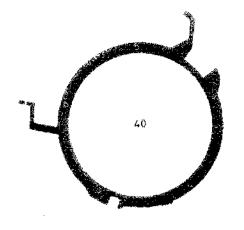
Geprüft

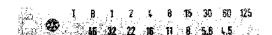
Blatt Nr. 2





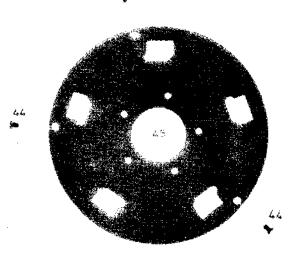






39





1-12p //2

PRONTOR-PRESS

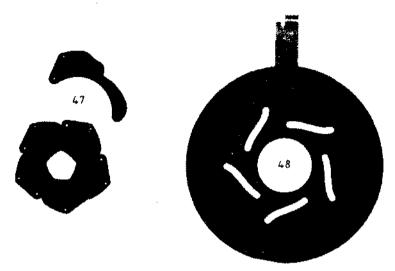
I-12p

Gefertigt

26.2.65 fe

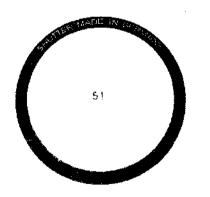
Geprüft

Blatt Nr. 3



49a





I -12p /3

PRONTOR - PRESS I - 12 p

Gefertigt 26. 2.65 /c.

Geprüft

Blatt Nr.

	4 Vepture 4
Stück	Benennung
1	Frontplatte an Stelle von 1 - 12 - 143 front plate inst. of 1 - 12 - 143
1	<u>Einstellring</u> an Stelle von I - 12 - 137 speed setting ring inst. of I - 12 - 137
1	Kapsel ohne Bild wird nicht abgegeben an Stelle von $I=12-U1$ housing without illustration cannot be supplied inst. of $I=42-U1$
1	Auslösrohr an Stelle von I = 12- 123.1 cable release socket inst. of I = 12 - 123.1
1	<pre>cinstellbogen an Stelle von I = 12 = 134 scale band inst. of I = 12 = 134</pre>
1	Antriebring an Stelle von I = 12 - U 80 drive ring inst. of I = 12 - U 80
6	Sektor an Stelle von IJRX5 - 61 shutter blade inst. of IJRX5 - 61
2	Irisdeckscheibenschraube an Stelle von 7 002 002 3 Stück diaphragm covering disc screw inst. of 7 002 002 3 pcs.
1	lrisdeckscheibenschraube diaphragm covering disc screw
1	Irisdeckscheibe an Stelle von IJRX5 - 8.2 diaphragm covering disc inst. of IJRX5 - 8.2
5	Irislamelle an Stelle von I - 12 - U 5 10 Stück diaphragm blade inst. of I - 12 - U 5 10 pcs.
1	Iriszeigerscheibe an Stelle von I - 12 - 7 disphrage pointer disc inst. of I - 12 - 7
1	Fixierschraube locating screw
1	bottom without illustration cannot be supplied inst. of I = 12 = 2
1	Slendenring disphragm ring
. 1	Anschraubring an Stelle von JRI - 71 flange inst, of JRI - 71
	Die übrigen Teile nach Grundmodell I - 12 The remaining parts as per basic model I - 12

G.m.b.H. Calmbach / Enz

ALFRED GAUTHIER

PRONTOR-PRESS I-12p1

Fa. Polaroid , USA

Anz.derÄnd.Bt.

Kamera: Optik/Lens: Ysarex 1:4.7 /127

Gefertigt 26.2.65 /c.

Liste best.aus Blatt 1 - 4

Blatt Nr.





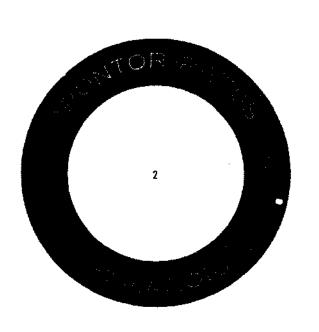
PRONTOR - PRESS I - 12 p1

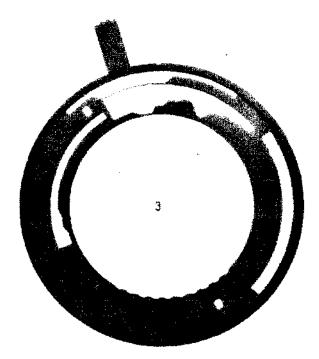
Gefertigt

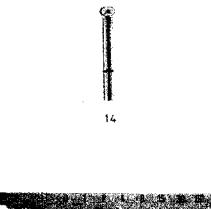
26. 2. 65

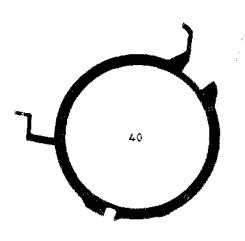
Geprüft

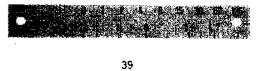
Blatt Nr. 2



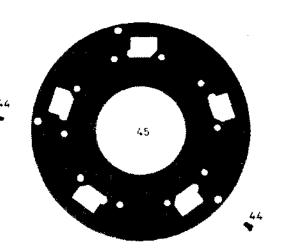












I ~12pt /2

PRONTOR - PRESS

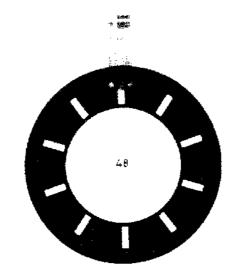
I-12 p1

Gefertigt

26. 2.65 fe

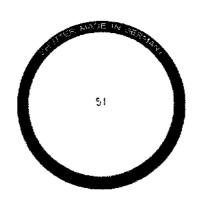
Geprüft

Blatt Nr. 3



49a





1 - 12 p1 / 3

PRONTOR - PRESS I -12 p1

Gefertigt 26. 2.65 fe.

Geprütt Blatt Nr

143 143
137 1 37
- 12 - U1 - 12 - U1
123.1 123.1
134 134
80 80
61 61
3 Stück 3 pcs.
8.2 8.2
7 7
- 12 - 2
,
71 71
_

ALFRED GAUTHIER G.m.b.H. Calmbach / Enz

Instructions for the Repair of the PRONTOR IJRX5p Shutter

Tal	ble of Contents	Sheet
1.	Introductory Remarks	1
2.	Mode of Operation	3
	a) when set for instantaneous speeds from 1/125 sec to 1 sec	
	b) when set for "B" (time exposures)	
3.	Dismantling and Reassembling the Shutter	4
4.	Cocking and Tripping System	5
5.	Slow Speed Assembly and Speed Setting System	8
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8.	Flash Contact System	14
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Appendix:

Spare Parts List

Repair Instructions for GAUTHIER Shutters
Model PRONTOR IJRX5p

1. General Introductory Remarks

These repair instructions have been written in order to enable repairmen to furnish a quick, efficient and reliable repair service without any major difficulties.

They start with a description of the mode of operation

They start with a description of the mode of operation of the shutter, and it is recommended to read this paragraph very carefully, for the knowledge of the functions of the individual components is the basis for understanding the concerted operation of all components in the Gauthier PRONTOR precision shutter.

a) Tools for Repair Work

Apart from the front plate wrench MV 100, and the lever bending tool A2 there are no other special tools required for dismantling and repairing the shutter.

However, in selecting the screwdrivers it is very important to use a screwdriver of the proper size for the various screws. If screwdrivers of a non-fitting size are used, the repairman will run the risk of damaging the screw slots. As a result it will be impossible to loosen the screws.

b) Lubricants

The manufacturer lubricates the shutter at all points requiring lubrication by means of lubricating pastes

that can be regarded as life-time lubricants. In repair work additional lubrication is required only in such cases where parts are washed or replaced by new ones. The attached lubricating diagram indicates the points of the shutter parts that require lubrication, and the type of lubricant to be used.

Note

Only those lubricants indicated in the lubricating diagram should be used for lubricating the shutter. By using a different type of lubricant the repairman will run the risk that the viscosity will not meet the specific requirements, which means that the shutter blades might be glued together by the lubricant, or the gears may become gluey resulting in each case in incorrect shutter speeds. Attention must also be given that there will not be an excessive amount of lubricant at the edges, recesses and drilled holes. If necessary the lubricant must be wiped off carefully.

c) Spare Parts

If in repairing a shutter it is necessary to replace individual components, only

FACTORY-MADE SPARE PARTS

should be used. The parts can be ordered by use of the attached spare parts list. However, it is necessary to state the exact designation and the part number shown in the list. This is the only possible way for us to supply the correct spare parts.

2. Mode of Operation

a) Instantaneous Speeds

Shutter speed and aperture are set to the desired values. A pressure on the cable release plunger advances the cable release socket pin 6, the cocking lever 7, and the cocking latch 9 which is connected with the latter. An integral cam 9a of the cocking latch 9 comes to rest against the angular stop plate 35, and when actuated moves the driving lever 13 radially towards the outside. In doing so the cam strikes the stop lug of the driving lever 13. The driving latch 14 riveted to the driving lever 13 is pressed by the closing spring 17 against the ring lever 16, and a recessed portion engages the driving lug; at the same time the brake latch 24, also riveted to the driving lever, slips past the driving lug of the brake lever 25. At the end of the cocking travel the cocking latch 9 disengages the driving lever 13, and pulled by the driving spring 21 the driving lever returns to its original position.

In returning, the brake latch 24 strikes the lug of the brake lever 25, and depending upon the setting has to overcome the braking action of the slow-speed gear train (see Speed Setting System page 7).

During the return travel of the driving lever 13, the driving latch 14 displaces the ring lever 16 and the driving ring 36 in positive engagement with the latter. The shutter blades open.

Just prior to reaching the resting position the brake lever 25 becomes disengaged, both brake latch 24 and driving lever 13 flip back, and the driving latch 14 returns the ring lever 16 and the driving ring 36 positively connected with the latter to their original positions.

b) Time Exposures

Independent of the selected shutter speed the shutter blades can be opened for any period of time, if the cable release is screwed into the cable release socket 1a.

A pressure on the cable release plunger causes the cable release socket pin 6a to strike the driving lug 37a of the shutter blade ring 37 and to displace the latter. The shutter blades open. If the cable release socket pin is allowed to return, the shutter blade ring 37 actuated by the shutter blade ring spring will follow immediately, and the shutter blades will close.

3. Dismantling and Reassembling

A. Dismantling the Shutter

After removing the four mounting screws of the shutter base the latter can be lifted off together with the diaphragm system. (For further details on the diaphragm system please see sheet 11).

The shutter mechanism is now accessible. The shutter blades can be lifted off directly, the shutter blade ring spring 10 can be unhooked, and the shutter blade ring 37 and the drive ring 36 can be removed. The remaining shutter dismantling operations are relatively easy, and will be described in some cases in the descriptions of the individual systems.

Note:

Should it become necessary to replace the front plate, the setting ring or the notched speed lever, the front plate ring must be removed. The stock number of the front plate ring wrench is MV 100.

B. Reassembling the Shutter

Important Note

As a general rule attention must be given to the fact that in reassembling the shutter no lever will be bent and no spring stretched, as otherwise the shutter will not function properly. Special attention must be given to the position of the cable release socket pin 6a, as this part will become loose when the shutter blade ring 37 is removed, and may slip out of the drilled hole of the cable release socket 10. Moreover, the driving spring 21 should not be hooked up on the second rivet of the adjusting lever 23 as shown in the illustration, but rather on the first rivet as viewed from the adjusting lever screw 22. Additional detailed assembly instructions will be given in the descriptions of the individual systems.

4. Cocking and Tripping System

The mode of operation of the cocking and tripping system has already been described in paragraph 2a. The following paragraphs contain instructions on the replacement of parts, on the assembly, and on the correction of defects.

a) Replacing

the cocking lever 7, the cocking latch 9, the angular stop plate 35, and the cocking lever spring 3.

By removing the two bearing bridge screws 5 and 11, the cocking lever 7 and the cocking latch 9, and after removing the screw 34, the angular stop plate 35 will become loose.

b) In assembling the shutter the angular stop plate 35 is first secured by means of the screw 34, then the cocking lever 7 and the cocking latch 9 are fitted with the cocking lever spring hooked up on the cocking lever 7. Place the two spacing bushings over the

threaded holes, pretension the cocking latch spring 12, and stick it over the spacing bushing. Hold down the cocking latch spring 12 and the spacing bushing by means of one finger, fit the bearing bridge 8, and secure it in position by means of the two screws 5 + 11. Then the cocking latch spring 12 is placed underneath the cocking latch 9 where it must rest against the spring rivet.

Defect

Cause

Correction

1.

Shutter does not cock, release has no resistance at all, or very little.

- a) Cocking lever spring 3 is unhooked.
- b) Cocking lever spring 3 is extended.
- c) Cocking-latch of spring 12 does not rest against the spring rivet of the cocking latch 9, but against the nozzle of the housing.

- a) Hook up the cocking lever spring 3.
- b) Install new cocking lever spring (for this purpose the cocking lever 7 must be removed).
- c) Pull the cocking latch spring 12 along the base of the housing and hold it by means of a pair of tweezers (at the ring lever 16). Make the cocking latch 9 rest against the nozzle, but make sure that the spring rivet will slip over the spring 12. Lift the spring lightly and let it strike against the rivet.

Defect

Cause

Correction

2.

Shutter cocks a) Closing spring but does not-17 is unhooked trip.

- from the driving latch 14.
- b) Ring lever 16 is not located in the recessed portion of the driving ring 36.
- c) The slide cam 9a is too steep, so that the driving latch cannot get caught in position.

- a) Hook the closing - spring 17 on the spring rivet of the driving latch 14.
- b) Install the driving ring 36 properly (see shutter blade system).
- c) Bend slide cam slightly by means of a pair of tongs.

3. The shutter The driving latch set for slower spring 20 does not instantaneous rest against the speeds prospring rivet. duces faster speeds, i.e. (although set for 1 sec) the shutter blades close instantly

after opening.

Make driving latch spring 20 rest against the spring rivet.

5. Slow-Speed Assembly and Speed Setting System

Rotating the setting ring controls both the engagement of the brake lever 25, and the engagement and disengagement of the escapement. The escapement is engaged when the shutter is set for any of the following speeds: 1, \forall 2, \forall 4 and \forall 8 sec; it is disengaged when the shutter is set for any of the following speeds: \forall 15, \forall 30, \forall 60 and \forall 125 sec.

The control cam of the setting ring serves to set the angular position of the brake lever 25 that governs the shutter speeds.

Time Exposures "B" - See Shutter Blade System.

The two fixing screws 30 + 33 in the lower bearing plate secure the slow speed assembly 31 in the shutter. The slow-speed assembly can only be removed from the shutter after the brake lever 25 has previously been removed.

For assembling the slow-speed assembly the setting ring has to be rotated all the way to the right to the 1 sec position, then the slow-speed assembly can be installed and secured by screws. Press the tie lever 29 on the post of the gear segment, place the washer on the threaded hole, slide the brake lever over it, and secure it by means of the retaining screw 26. After the brake lever spring 27 is hooked up, the slow-speed assembly is ready to operate.

Note:

In fitting the setting ring give special attention that the escapement rocker arm and the control rivet of the gear segment that project through the base of the housing will come to rest in the recessed portions of the setting ring.

Defect	Cause	Correction
1.		
Shutter produces	Brake lever 25 is	Hook up brake lever
faster speeds than	not engaged;	spring 27.
the slower speeds	brake lever	
set. Please also	spring is unhooked.	
see defect 3 and		
Cocking and		
Tripping System.		

- Shutter speeds are slower than indicated in the
- a) Brake lever 25 does not move easily, no washer has been fitted.
- a) Remove the brake lever 25, and reinstall it together with a washer.
- slow-speed assembly.
- b) Dirt inside the b) Replace the slowspeed assembly by a new one.

Note:

program.

The shutter speeds can be adjusted in relation to each other by swadging or filing the control cam of the setting ring. The shutter speeds can only be accurately examined by means of a shutter speed measuring instrument.

6. Shutter Blade System

When the shutter completes its cycle the rivet 96 locks the shutter blade ring 37 against shifting, whereas the drive ring 36 is briefly advanced and returned by the ring lever 16. The rotation is limited by the recesses in the drive ring 36, and in the shutter blade ring 37, and by the stop screw 32.

a) Time Exposures "B"

when the shutter is tripped by use of the cable release socket 1a, the cable release socket pin 6a strikes the drive lug 37a of the shutter blade ring and displaces the latter. In doing so the shutter blades are opened, and when the pressure of the cable release crown is eased, the shutter blade ring spring 10 returns the shutter blade ring 37 to its starting position, — the shutter blades close. As the locking abutment 37b of the shutter blade ring is rotated in front of the rivet 9b, the shutter is prevented from giving an instantaneous speed at the same time. On the other hand when the shutter is used for instantaneous speeds, the rivet 9b prevents simultaneous time exposures, because when the shutter completes its cycle this rivet slides in front of the locking abutment 37b.

b) In fitting the drive ring 36 attention must be given to the fact that the ring lever 16 will slip into the recess provided for it, and that the contact arm 36a will not be pushed in between the flash contact spring 28 and the flash contact nipple (please also see flash contact system). After that, by use of a pair of tweezers the closing spring 17 is slipped through underneath the spring rivet of the drive ring 36 and is placed in position.

The shutter blade ring 37 must first be slipped under the head of the shutter blade ring screw 2, and can then be pushed on the nozzle of the housing. Use a pair of tweezers to hook the shutter blade ring spring 10 on the drive lug 37a. Then the shutter blades are fitted in such a way that the rivets of the driving ring 36, and of the shutter blade ring 37 will slip into the drilled holes of the shutter blades. Mount the shutter base with the diaphragm system in such a way that the shutter blade ring screw 2 will fit into the recesses in the base, and secure it by means of 4 screws.

Defect Correction Cause 1. a) In assembling a a) Reduce the Shutter blades do not form a lightnew drive ring recesses 36c and tight closure of 36, or a shutter 37c by swadging. the shutter opening. blade ring 37 it is noted that the recesses for the stop screw 32 are too large. b) Shutter blades b) Replace shutter are bent. blades. 2. Shutter blades Replace shutter blades. rusty.

Note:

The shutter blades and diaphragm blades must be handled with particular care. Bent parts must be replaced by new ones. The shutter blades and diaphragm blades must be protected against fingerprints which are apt to lead to the formation of rust. As a general rule parts that are not in perfect condition must be replaced, and only in cases where no replacements are available the fingerprints should be removed with a clean cloth. Make sure to place the shutter blades and diaphragm blades on a flat surface for cleaning.

Diaphragm blades and shutter blades should never be lubricated.

7. Diaphragm System

After lifting off the diaphragm covering disc secured by means of three screws, the diaphragm blades are freely accessible.

Assembly

Insert the pointer arm of the diaphragm pointer disc into the slot of the base, place it into the annular recess, and rotate it counter-clockwise right to the stop. Fit the diaphragm blades in such a way that the rivets will come to rest in the drilled holes provided in the diaphragm pointer disc. Fit the spring ring centrically, and place on the diaphragm covering disc, but make sure that the diaphragm blade rivets come to rest in the drilled holes; this can easily be attained by a very slight forward and backward rotation of the diaphragm pointer disc. The three mounting screws secure the diaphragm system in the shutter base.

Defect	Cause	Correction
The diaphragm pointer disc does not move easily.	a) The diaphragm pointer disc or the diaphragm covering disc are bent.	a) Install new flat discs.
	b) The diaphragm blades are damaged.	b) Replace the diaphragm blades.

8. Flash Contact System

The shutter has X synchronization, which means that the contact is made when during the opening cycle of the shutter the shutter blades still project into the shutter opening for about 1.5 to 2 mm.

When the shutter completes its cycle, the contact arm 36a of the drive ring presses the flash contact spring 28 against the flash contact nipple and thus creates a conducting connection.

Defect Cause 1.

The flashgun does not fire despite the fact that it is in good

working order.

- a) There is no contact made due to the fact that the contact arm 36a is bent.
- a) Adjust the contact arm 36a, or replace the drive ring 36.

Correction

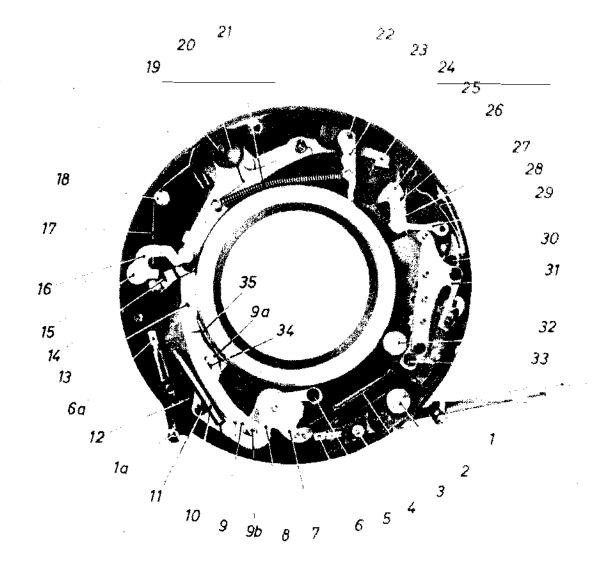
- not mounted properly; the contact arm 36a is located between the flash contact spring 28 and the contact pin.
- b) The drive ring is b) Install the drive ring in such a way that the contact arm 36a when displaced pushes the flash contact spring 28 against the flash contact nipple.
- c) Flash contact c) Adjust the flash spring 28 is bent. contact spring 28.

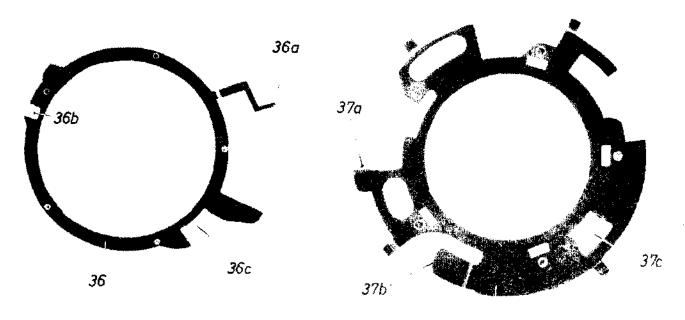
2. The contact is not made at the correct position of the shutter blades.

Contact arm 36a is bent.

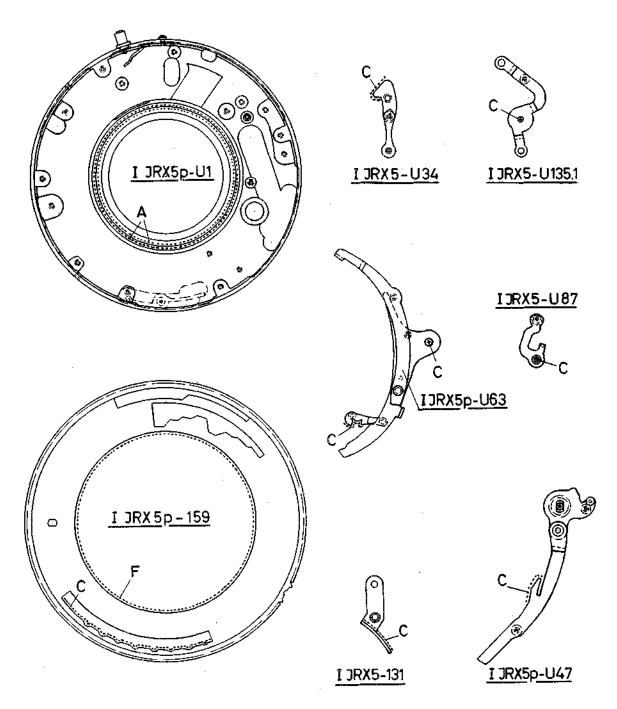
See la.

IJRX5p





Lubricating Diagram for the PRONTOR IJRX5p Shutter



A = Molykote paste micro fine

C = Molykote paste BR 2

F = Losoid 1164

The points to be lubricated are marked in red. The letters designate the type of lubricant to be used.

Liste best. aus Bi. 1 - 5 Bl. Nr. PRONTOR-PRESS IJRX5 p Alfred Gauthier G.m.b.H. Gefertigt 20. 3.62 fe. Gepr. Optik / Lens : Ysgron 1:4,5 /75 Calmbach a. d. Enz Anz. der Änd.-Bl. Kamera : Copy - Camera Teil Nr.: Teilbenennung: Teil: IJRX5 - U31.1 Antriebring drive ring IJRX5 - U34 Bremshebel brake lever IJRX5 - U2 | Jrislamelle diaphragm blade IJRX5-U31.1 IJRX5p-U1 Kapsel housing IJRX5-U34 IJRX5-U1351 Lagerbrücke bearing bridge IJRX5-U2 IJRX 5 -U45 Regulier hebel adjusting lever IJRX5 - U87 Ringhebel ring lever IJRX5p~U128 Sektorenring shutter blode ring IJRX5p-U47 <u>Spannhebel</u> IJRX5p - U1 cocking lever IJRX5-U135.1 IJRX5p-U63 Treibhebel drive lever IJRX5-U45 wird nicht abgegeben cannot be supplied IJRX5p-U63 IJRX5-U87 IJRX5p-U128 1JRX5p - U47

Bl. Nr. 2 Alfred Gauthier G.m.b.H.

PRONTOR - PRESS IJRX5 p Gefertigt 20.3.62 kg Gepr.

Calmbach	a. d. Enz	PRONT	Anz. der ÄndBl.
Teil Nr.:	Teilbeneni	nung:	Teil:
	<u>Anschlagwin</u>		
	angular stop		
IJRX5p - 164	Anschraubrii	ng_	
1	flange		20
IJRX5p - 3		·-·	
	bottom		IJRX5 - 131 IJRX5p - 164
IJRX5p-134		7	<u>IJRX5 - 131</u> [
	scole band	<u> </u>	
IJRX5p-159		· -	
	speed setting	rina	
IJRX5p-591		******	
	spring ring		0
IJRX5p-239		ina	ä
	front plate ri		- =
	,		
			[
	· · · · · · · · · · · · · · · · · · ·		-3.8
			88
			88
	<u>.</u> .		
	·		
			1JRX5p-134 0
·			
			
			O IJRX5p 159
			
			IJRX5 p - 591
			IJRX5p - 239
			
			

Alfred Gauthier G.m.b.H. Calmbach a. d. Enz PRONTOR - PRESS IJRX5 p Gefertigt 20.3.6 Anz. der Änd.-Bi.

Liste best. aus Bl. Bl. Nr. 3 Gefertigt 20.3.62 fe. Gepr.

Cumbach a. a. Enz			Anz. der ÄndBi.
Teil Nr.:	Teilbenen	nung:	Teil:
IJRX5p-168	Frontplatte		
	front plate		PRONTOR
IJRX5p - 5	Jriszeigersch	eibe	PROMOR
	diaphragm p	pinter disc	
IJRX5p - 8	Jrisdecksche		
	diaphragm cov	ering disc	
IJRX5 - 61	Sektor 5 St	ück	(IJRX5.p-168)
	shutter blade	5 pcs.	
0JRX5- 78	Unterlegscheib	e	
	washer		
		······	POLAROID
IJRX5p-G10	Hemmwerk		- CANO
	slow speed a	sembly	R 7
			IJRX5p-5
-			
			\bigcirc \bigcirc
			\(\sigma_\circ\)
			$\left(\begin{array}{c} \circ \\ \circ \\ \circ \end{array} \left(\begin{array}{c} IJRX5p-8 \\ \end{array}\right) \right) $
			\ °
	<u> </u>		IJRX5-61
			©
			OJRX5-78
			
<u> </u>	<u></u>		
<u></u>			
		<u> </u>	٥٩٠٠
	<u> </u>		
	ļ		13045- 010
		 	IJRX5p-G10
			wird nur als Ganzes abgegeben
			only complete assembly can be supplied
<u></u>		· · ·	•

Alfred Gauthier G.m.b.H. PRONTOR-PRESS IJRX5 p

Liste best. aus Bl.	Bl. Nr. 4	
Gefertigt 20. 3. 62 fe.	Gepr.	
Anz. der ÄndBl.		

Cambaca	a. u. Enz			Anz. der Äi	odBl.		
Teil Nr.:	Teilbenennung:		Teil:				
IJRX5p - 136	Anschlag win	kelschr.					
	angular stop	plate screw					
IJRX5p-72	Auslösrohr A	1					
	cable release	socket A	-1 0-	<u> </u>	A Personal		
IJRX5p-72a	Auslösrohr B						
	cable release	socket B	<i>IJRX5p-136</i>	IJRX5p -72	IJRX5p-72a		
JR0 - 73	Ausiösrohrsc	<u>hr</u> .					
	cablerelease soc	ket screw					
IJRX5p - 73a	Auslösrohrsc.	hr.	a=	(_		
	cable release s	ocket screw	₩	1	U		
IJRX5p - 74	Auslösstift A	_	<u> JRO - 73</u>	IJRX5p-73a	IJRX5p - 74		
	cable release	socket pin					
IJRX5p-74a	Auslösstift B						
	cable release	socket pin		Пъ -	ſſ∏ _{₽₽₽}		
IJRX5p - 94	Antriebring-Ar	schlagschr.	-				
	drive ring stop	o screw	IJRX5p-74a	IJRX5p-94	3114-20-3220		
3114 -20-3220	Bremshebels	chr.					
	brake lever so	rew					
1217-32-2110	Bodenschr. 2	Stück		F=3	· /==		
	bottom scren	2 pcs.			-# <u>-</u> #-		
0JRX5 - 136	Distanzbüchse	2 Stück	<u> 1217- 32-2110</u>	<u> 0JRX5-136</u>	<u> 1217-16-1433</u>		
	distance bush	ning 2 pcs.					
1217-16-143	Deckscheibens	chr. 3 Stck					
	cocer disc scr	ем Зрся.	Al-		N =5		
1217-12-1433	Einstellbogen	schr. 2 Stck.	-\	-}_{	-}		
	scale band sci		1217-12-1433	<u>1614-12-7110</u>	1014-20-2110		
1614-12-7110	Fixierschroub	e					
	locating scre	W					
1014 -20-2110 1517 -20-1110	Hemmwerks	chr.	-	N 	∂		
	slow speed asse	mbly scr.		+==	-(===)		
03044-223	Lagerbrücken.	schr.lang	<u> 1517-20-1110</u>	0304u-223	<u> 1517- 32-2116</u>		
	bearing bridge	scr. long					
1517-32-2116	Lagerbrücker	ischr. kurz					
	bearing bridg		₽	(heren	ſh <u></u>		
IJRX5 - 88	Ringhebelsch			- 			
	ring lever sci	ew	IJRX5 -88	1217-22-2130	IJRX5p-130		
1217 -22-2130	Regulierhebe	Ischr.		 			
	adjusting leve						
IJRX5p-130	Sektorenring		Π.		_		
· ·	shutter blode		- <u>-</u> - <u></u> - <u></u>				
03R10 - 102	Treibhebelsch		LELI				
	drive lever so		<u> </u>	<u>-102</u> <u>JRC</u>	-108		
JR0 -108	Zuziehfeder	·					

closing spring screw

Alfred Gauthier G.m.b.H. PRONTOR-PRESS IJRX5 p

Liste best. aus Bl.	Bl. Nr. 5
Gefertigt 20.3.62 fe.	Gepr.
Anz dec And Bl	

Calmbach a. d. Enz		on the od ion	Anz. der Änd	lBi.			
Teil Nr.:	Teilbenennung:		Tell:				
JRI - 64	<u>Bremsklinkenfeder</u>						
	brake latch spring						
IJRX5p -133	Sektorenringfeder						
	shutter bladering spring						
IJRX5 - 93	Spannklinkenfeder						
	cocking latch spring						
IJRX5- 52	Spannhebelfeder	0		Q			
	cocking lever spring	<u> JRI - 64</u>	<u>IJRX5p-133</u>	IJRX5-93			
IJRX5 - 103							
	drive spring						
JRI - 107	Zuziehfeder						
	closing spring	C CHIMENIANO		0			
		IJRX5-52	17DY5-103	JRI-107			
,		13/1/3-32	<u> IJRX5-103</u>	JH 107			
				•			
 							
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·	t						

2525 2566

2860 2929

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20.3.62 26.8.63

Alfred Gauthier G. m. b. H. PRONTOR-PRESS IJRX5p Geänderte

Liste besteht aus Blatt 1-7... Blatt Nr. 1 Gepr....

			Changed p	arts Geteriigt:	20.3.02 76.
L.fd.Nr.	Teil Nr.:	Teilbenennung:		Teil:	
1	Chan	ung Nr. 2525 ge Nr. 2525 Antriebring-Anschlagschr			
2		an Stelle v. IJRX5p-94			
·		drive ring stop screw inst of IJRX5p - 94	_1	JRX5p - 94.1	
3		<u>Nr. 2566, 3301, 3410</u> (r. 2566, 3301, 3410			
	IJRX5p - 73	Gewindestift 3 Stück an Stelle v. IJRX5p-73a		-63-	
4		threaded pin 3 pcs. inst. of IJRX5p - 73a	<u>i</u>	<u>1JRX5p-73</u>	
5	1517-20-1110	Bodenschr. 2 Stück		- {:3 -	
		bottom screw 2 pcs.	_1	<u> 1517-20-1110</u>	
6		oung Nr. 2860 nge Nr. 2860		C.	
7	0JR10 - 102.1	Treibhebelschr. an Stelle v. 0JR10-102 drive lever screw inst. of 0JR10-102	<u>03</u>	<u> </u>	
8		rung Nr. 2929 ange Nr. 2929			
9	IJRX5p-169	Lichtdämpfring auf besondere Bestellung light baffle ring upon special request		1RX5p -169	
. 10					
		Ånderungszustan		·	
Ănd. Nr.	Lfd. Nr.	Tag u. Name Änd. Nr. Lfd. Nr.	Tag u. Name Äi	nd.Nr. Lfd. Nr.	Tag u. Name

Alfred Gauthier G. m. b. H. Calmbach a. d. Enz PRONTOR-PRESS IJRX5p Geänderte Teile

Liste besteht aus Blatt Blatt Nr. .. Gepr.... 27.8.63 Gefertiat:

			Changed parts Gefertigt:
.fd.Nr.	Teil Nr.:	Teilbeneanung:	. Tell:
1		ung Nr. 2950 nge Nr. 2950	
Ż	IJRX5p-U31	Antriebring an Stelle v. IJRX5-U31.1 drive ring inst. of IJRX5-U31.1	(e) <u>IJRX5p - U31</u>
3	IJRX5p-U128.1	Saktonamaina	
4	IJRX5p- 61	inst.of IJRX5p-U128 Sektor an Stelle v. IJRX5-61	
-	• • • • • • • • • • • • • • • • • • •	shutter blade inst. of IJRX 5 - 61	[JRX5p-U128.1]
5	<u>Ände</u> Chai	rung Nr. 3171 nge Nr. 3171	
6	IJRX5p-94.2	Antriebring-Anschlagschr wahlweise zu IJRX5p-94.1 drive ring stop screw optionally to IJRX5p-94.1	
7	<u>Ä</u> nder Char	rung <u>Nr. 3233</u> nge Nr. 3233	ö
8	1517 - 20 - 1110	Deckscheibenschr. 3 Stck. an Stelle v. 1217-16-1433	<u>13RX5ρ - 61</u>
	NOT FARM FROM THE STATE	cover disc screw 3pcs inst. of 1217-16-1433	
9	Änder	ung Nr. 3409a	<u>IJRX5p-94.2</u> <u>1517-20-1110</u>
\dashv	Char JRI - 107.1	zuziehfeder	
10		an Stelle v. JRI -107 closing spring	JRI - 107.1

	Enter ungszusteine dieses Diottes							
Änd. Nr.	Lfd. Nr.	Tag u. Name	Ānd, Nr.	Lfd. Nr.	Tag u. Name	Āṇḍ. Nr.	Lfd. Nr.	Tag u. Name
2950 3171	2, 3, 4	27.8.63						
	6							
3233	8	4 4 *			,			
24000	40	# // 4						1

Alfred Gauthier G. m. b. H. Calmbach a. d. Enz PRONTOR-PRESS IJRX5 Geänderte Teile

Liste besteht aus Blatt Blatt Nr. 3 Gepr. Gefertiat:

1 Anderung Nr. 3463 Change Nr. 3463 Change Nr. 3464 Director on Stelle v. IJRX5p-3 bottom inst. of IJRX5p-3 3 Anderung Nr. 3464 Change Nr. 3464 Change Nr. 3464 Change Nr. 3464 Change Nr. 3557 Change Nr. 3557 Change Nr. 3557 IJRX5p-1591 IJRX5p-1591 IJRX5p-1591 Speed setting ring inst. of IJRX5p-159 Anderung Nr. 3558 Change Nr. 3558 Change Nr. 3558 IJRX5p-U11		·····		Changed parts Gefertigt: 27.8.63 #
Change Nr. 3463 IJRX5p - 3.1 Boden on Sielle v. IJRX5p - 3 Anderung Nn. 3464 Change Nr. 3464 Change Nr. 3464 IJRX5p - 5.1 Jriszeigerscheibe an Sielle v. IJRX5p - 5 diaphragm pointer disc inst. of IJRX5p - 5 Anderung Nr. 3557 Change Nr. 3557 Change Nr. 3557 Change Nr. IJRX5p - 159 IJRX5p - 159.1 Einstelling on Sielle v. IJRX5p - 159 Speed setting ring inst. of IJRX5p - 159 TAnderung Nr. 3558 Change Nr. 3558 Change Nr. 3558 IJRX5p - U1. Nousing without sketch connot be supplied inst. of IJRX5p - U1 housing without sketch connot be supplied inst. of IJRX5p - U1	Lfd.Nr.	Teil Nr.:	Teilbenennung:	Teil:
IJRX5p - 3.1 Soden an Stelle v. IJRX5p - 3 bottom inst. of IJRX5p - 3 Anderung Nr. 3464 Change Nr. 3464 Change Nr. 3464 Change Nr. 3557 diaphragm pointer disc inst. of IJRX5p - 5 Anderung Nr. 3557 Change Nr. 3557 Change Nr. 3557 IJRX5p - 1531 Einstellring an Stelle v. IJRX5p - 159 Speed setting ring inst. of IJRX5p - 159 Anderung Nr. 3558 Change Nr. 3558 Change Nr. 3558 IJRX5p - U1.1 Mapsel ohne Skizze wird mich abgegeben hausing without sketch cannot be supplied inst. of IJRX5p - U1 10 10	1			
Anderung Nr. 3464 Change Nr. 3464 Change Nr. 3464 Change Nr. 3464 IJRX5p - 5.1 Driszeigerscheibe on Stelle v. IJRX5p - 5 diaphragm pointer disc inst. of IJRX5p - 5 Anderung Nr. 3557 Change Nr. 3557 Change Nr. 3557 Change Nr. 3558 IJRX5p - 159.1 Einstellring on Stelle v. IJRX5p - 159 speed setting ring inst. of IJRX5p - 159 Thousing Nr. 3558 Change Nr. 3558 IJRX5p - U1.1 Kapsel ohne Skizze wird micht abgegeben on Stelle v. IJRX5p - U1 housing without sketch cannot be supplied inst. of IJRX5p - U1	2		Boden an Stelle v. IJRX5p-3 bottom	□ IJRX5p - 3.1
an Stelle v. IJRX5p-5 diophragm pointer disc inst. of IJRX5p-5 Anderung Nr. 3557 Change Nr. 3557 Change Nr. 3557 IJRX5p-159.1 Speed setting ring inst. of IJRX5p-159 Anderung Nr. 3558 Change Nr. 3558 Change Nr. 3558 IJRX5p-U1.1 Kapsel ohme Skizze wird nicht abgegeben an Stelle v. IJRX5p-U1 housing without sketch cannot be supplied inst. of IJRX5p-U1 10 10 IJRX5p 159.1	3			
inst. of IJRX5p-5 Anderung Nr. 3557 Change Nr. 3557 Change Nr. 3557 IJRX5p- 159.1 Einstellring on Stelle v. IJRX5p- 159 speed setting ring inst. of IJRX5p- 159 Anderung Nr. 3558 Change Nr. 3558 Change Nr. 3558 Change Nr. 3558 IJRX5p-U1.1 Kopsel ohne Skizze wird nicht abgegeben on Stelle v. IJRX5p- U1 housing without sketch cannot be supplied inst. of IJRX5p- U1 9 10	4	IJRX5p - 5.1	an Stelle v. IJRX5p-5	
Anderung Nr. 3557 Change Nr. 3557 IJRX5p- 159.1 Speed setting ring inst. of IJRX5p-159 Anderung Nr. 3558 Change Nr. 3558 Change Nr. 3558 Change Nr. 3558 IJRX5p-U1.1 Kapsel ohne Skizze wird nicht abgegeben an Stelle v. IJRX5p-U1 housing without sketch cannot be supplied inst. of IJRX5p-U1 IJRX5p 159.1				· D
speed setting ring inst. of IJRX5p - 159 7 Anderung Nr. 3558 Change Nr. 3558 Change Nr. 3558 IJRX5p - U1.1 Kapsel ohne Skizze wird nicht abgegeben an Stelle v. IJRX5p - U1 housing without sketch cannot be supplied inst. of IJRX5p - U1 9 10	5	<u>Ände</u> Cho	erung Nr. 3557 Inge Nr. 3557	[JRX5p - 5.1]
Anderung Nr. 3558 Change Nr. 3558 Change Nr. 3558 IJRX5p - U1.1 Kapsel ohne Skizze wird nicht abgegeben an Stelle v. IJRX5p - U1 housing without sketch cannot be supplied inst. of IJRX5p - U1 g 10		IJRX5p- 159.1	speed setting ring	
8 housing without sketch cannot be supplied inst. of IJRX5p-u1 9 10	7	<u>Änder</u> Char	rung <u>Nr. 3558</u> nge Nr. 3558	
9	8	IJRX5p -U1.1	an Stelle v. IJRX5p-U1 housing without sketch cannot be supplied	LJRX5p 159.1
	g		Inst. of IJRX5p-U1	
Änderungszustand dieses Blattes	10			
	Ānd. Nr.			

Ānd. Nr.	Lfd. Nr.	Tag u. Name	Änd. Nr.	Lfd. Nr.	Tag u. Name	Änd. Nr.	Lfd. Nr.	Tag u. Name
3464 3464 3557	2	27.8.63						
3464	4	* * *						
3557	6	, , ,						
35.50	e	A A X						

Alfred Gauthier G. m. b. H.

Calmbach a. d. Enz

PRONTOR-PRESS IJRX5p Geänderte
Changed par

3625

3635 3696 3714

10

27.8.63

Liste besteht aus Blatt Blatt Nr. 4 Gepr. 27.8.63 fc. Gefertiat:

Lfd.Nr.	Teil Nr.:	Teilbenennung:	Teil:
LIU.W.	ren mr.:	renpenennung.	feit.
1		ng Nr. 3625 2 Nr. 3625	
2	IJRX5 - 70	Treibklinkenfeder an Stelle v. JRI-107.1 driving latch spring inst. of JRI-107.1	
3	IJRX5 - 107	Antriebringfeder on Stelle v. JRI - 107.1 drive ring spring inst. of JRI - 107.1	<u> 1JRX5 - 70</u>
4	<u>Änderu</u> Chan	<u>ung Nr. 3635</u> ge Nr. 3635	
5	1 - 12p- 123	Auslösrohr "A" an Stelle v. IJRX5p-72 cable release socket "A" inst. of IJRX5p-72	<u>1 - 12p - 123</u>
6		ung Nr. 3696 ge Nr. 3696	
7	122 02	Antriebring-Anschlagschi an Stelle v. IJRX5p-94.1 drive ring stop screw inst. of IJRX5p-94.1	122 02
8	122 03	Antriebring-Anschlogschr. an Stelle v. IJRX5p-34.2 drive ring stop screw inst. of IJRX5p-94.2	wahlweise optionally
g	<u>Änder</u> Char	ung Nr. 3714 age Nr. 3714	122 03
10	0376y - 362	Zeit - Rastenfeder click stop spring	<u>0376y-362</u>
	· · · · · · · · · · · · · · · · · · ·	Ånderungszu	stand dieses Blattes
Ãnd. Nr.	Lfd. Nr.	Tag u. Name Änd. Nr. Lfd. N	r, Tag v. Name Ånd. Nr. Lfd. Nr. Tag v. Name

Alfred Gauthier G. m. b. H. Calmbach a. d. Enz PRONTOR-PRESS IJRX5 page Teile

Liste besteht aus Blatt Blatt Nr. 5

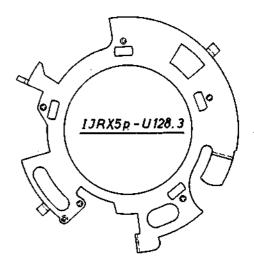
d.Nr.	Teil Nr.:	Teilbenennung:	T. II.
		, viiaviimang.	Teil:
1		ung Nr. 3988 ge Nr. 3988	-
,	I - 13 - 464	Distanzbüchse 2 Stck. an Stelle v. 07RX5-136	<u>I-13-464</u>
2		distance bushing 2 pcs. inst. of 0JRX5-136	
1	IJRX5 - U135.2	<u>Lagerbrücke</u> an Stelle v. IJRX5-U135.1	
3		bearing bridge inst of IJRX5-U135.1	
,	109 05	<u>Lagerbrückenschr. lang</u> an Stelle v. 0304 <i>u</i> - 223	© <i>IJRX5-U135.2</i>
4		bearing bridge scr. long inst. of 0304u-223	
	103 07	Lagerbrückenschr. kurz an Stelle v. 1517-32-2116	109 05 103 07
5		bearing bridge scr. short inst. of 1517-32-2116	103 07
6		<u>ung Nr. 3073</u> ge Nr. 3073	
7	IJRX5p - 8	Jrisdeckscheibe anSt.v. IJRX5p-8 auf Bl.Nr.3	
	inst of IJRX5p-8	diaphragm covering disc. on sheet No.3	
8			
	<u>Anderur</u> Change	ng Nr. 3559 Nr. 3559	IJRX5 - 8
ا و	I-12 - U124	Auslösstift an Stelle v. IJRX5p-74	
		inst. of IJRX5p - 74	-
10			<u>I - 12 - U 124</u>
	; 		

L	Miles angozustana aresco Piarres									
Ānd. Nr.	Lfd. Nr.	Tag u. Name	Ānd. Nr.	Lfd. Nr.	Tág u. Name	Änd. Nr.	Lfd. Nr.	Tag u. Name		
3988	2,3,4,5	27 8.63								
3559	77	P # H								
3559	9	16. 3. 65								
1						F				

Alfred Gauthier G. m. b. H. Calmbach a. d. Enz Changed ball Changed ball Changed ball Changed parts

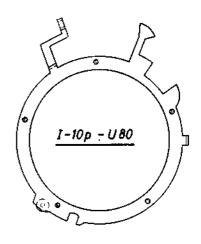
Liste besteht aus Blatt Blatt Nr. 6 Gepr. Gefertigt: 18.3.65 fe.

.	weiiii 2: 4: 2:	· ·
Lfd.Nr.	Teil Nr.:	Teilbenennung:
1		ng Nr. 4650 e Nr. 4650
2	IJRX5p-U128.3	Sektorenring an Stelle v.IJRX5p-U128.1 shutter blade ring inst. of IJRX5p-U128.1
3		ung Nr. 4667 e Nr. 4667
4	7 002 026	Auslösrohrschr. an Stelle v. JRO - 73 cable release socket screw inst. of JRO - 73
5	<u>Änderu</u> Chang	ng Nr. 4695 ye Nr. 4695
6	I- 10p - U80	Antriebring an Stelle v. IJRX5p-U31 drive ring inst. of IJRX5p -U31
7	IJRX5p-U1.2	Kapsel ohne Skizze wird nicht abgegeben an Stelle v. IJRX5p-U1.1 housing without sketch cannot be supplied inst. of IJRX5p-U1.1
8	I-10 - U361	Lagerbrücke an Stelle v. IJRX5-U135.2 bearing bridge inst. of IJRX5-U135.2
g	I-10 - U85	Auslöser an Stelle v.IJRX5p-U47 release inst. of IJRX5p-U47
10	7 002 228	Lagerbrückenschr. an Stelle v. 10905
	···	bearing bridge screw inst. of 109 0 5

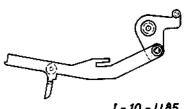


Teit:









I - 10 - U 85

7 002 228

Fortsetzung zu Änd. Nr. 4695 auf Blatt Nr. 7 continuation of change No. 4695 on sheet No.7

	Anderungszustand dieses Blattes										
Ånd. Nr.	Lfd. Nr.	Tag u. Name	Änd. Nr.	Lfd. Nr.	Tag u. Name	Änd. Nr.	Lfd. Nr.	Tag u. Name			
4650 4667 4695	2	18.3.65									
4667	4	, , ,									
4695	6 - 10	* * *				,,					

Änd. Nr.

4695

4919

4982

5080

Lfd. Nr.

3 5 7,8 Tag u. Name

18.3.65

11 H +

Änd. Nr.

5244

Lfd. Nr.

10

Tag u. Name

18.3.65

Ānd. Nr.

Alfred Gauthier G. m. b. H.

Calmbach a. d. Enz

PRONTOR-PRESS IJRX5p Telle
Changed (Geänderte

Changed parts

Liste besteht aus Blatt Blatt Nr. 7 Gepr. Gefertigt: 18.3.65 fe.

.fd.Nr.	Teil Nr.:	Teilbenennung:	Changed parts Gererings.
	I-10 - 130	Auslöserfeder an Stelle v. IJRX5 - 52	\ /
1		release spring inst. of IJRX5-52	X
			<u>I-10-130</u>
2		ung <u>Nr. 4919</u> nge <u>Nr. 4919</u>	
3	I JRX5p - 239.1	Frontplattenring an Stelle v. IJRX5p-239	
		front plate ring inst. of IJRX5p -239	IJRX5p - 239.1
4	Änder	ung Nr. 4982	
	IJRX5 - U34.1	ge Nr. 4982 Bremshebel	
5		brake lever	
		inst. of IJRX5-U34	⊗ <u>13RX5 - U34.1</u>
6	<u>Änderu.</u> Change	ng Nr. 5080, 5198 Nr. 5080, 5198	
7	I-12 - G20	Hemmwerk an Stelle v. IJRX5p-G10	
1		slow speed assembly inst. of IJRX5p-G10	
	7 000 884	Hemmwerkschr. an Stelle v. 1014-20-2110	<u>I-12 - G20</u> wird nur als Ganzes abgegeben only complete assembly can be supplied
8		slow speed assembly scr. inst. of 1014-20-2110	(°
g			
		<u>ung Nr. 5244</u> ge Nr. 5244	}□ 7 000 884
	I - 12 - U5	Jrislamelle an Stelle v. IJRX5-U2	7 300 004
10		diaphragm blade inst. of IJRX5-U2	I-12-U5

(°	
<u> </u>	<u>U5</u>
Lfd. Nr.	Tag u. Name
214. 777.	709 27772

Calmbach a. d. Enz

Alfred Gauthier G.m.b.H. PRONTOR-PRESS IJRX5 p3

zu Modell IJRX5p to model IJRX5p

Liste best.	aus 81.	1	Bl. Nr.	1
Gefertigt	2.9.63	Je.	Gepr.	
	2 1 51	(, ,		

Calmbach	a. d. Enz	zu Modell I.	JRX5p	to model IJRX5 p	Anz. der ÄndBl. 1,2
Teil Nr.:	Teilbenen	nung:		Te	il:
IJRX5p3 - 3	<u>Boden</u> an Stelle v. []				
•	bottom inst.of IJRXS	5p-3		6	
IJRX5p3-9	<u>Deckscheibe</u>				
	cover disc				RX5p3 - 3
[JRX5p3-134	Einstellbogen an Stelle v. IJ	RX5p-134			
	scale band inst. of IJRX	5p - 134			
					2075-2 0
		}			7RX5p3-9
		7			
				i co	PEN
				125 60 30	15 8 4 2 1 1RX5p3 - 134
					
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	· ·				

Alfred Gauthier G. m. b. H. Calmbach a. d. Enz

PRONTOR-PRESS IJRX5 p3 UModell IJRX5p to model IJRX5p

Geänderte Teile Blatt Nr. 1 Gepr.
Gefertigt: 2.9.63 k

		zu Modell IJRX5p	to model IJRX5p	Changed parts	Gefertigt:	2.9.63 fe.
Lfd.Nr.	Teil Nr.:	Teilbenennung:			Teil:	
1		ung Nr. 2950 ne Nr. 2950				
2	IJRX5 - U31.1 siehe Mod IJRX5p Bl.1		31			
	see model IJRX5p on sheet 1	drive ring inst. of IJRX5p -U31	-10-3-10-04			
3	IJRX5 - 61 siehe Mod.IJRX5p Bl.3					
	see model IJRXSp on sheet 3	shutter blade inst. of IJRX5p - 61				
. 4				<u>ס</u>		+
		ng Nr. 2963 e Nr. 2963	<u> []RX5</u>	ρ3-127	<u>18.</u>	<u>17-30-6400</u>
5	[JRX5p3 - 127	<u>Anschlagplatte</u>		0		
·		stop plate				
6	1817-30-6400	<u>Sektorenringschr.</u> an Stelle v, IJRX 5p - 13	IŬ	I IJMA	5ρ3 - θ	\mathcal{O}
		shutter blade ring scr inst of IJRX5p-130	ew	, , _		,)
7	22 /			$\backslash \bigcirc$.	·0	.0/
	Ander Chang	<u>ung Nr. 3074</u> ge Nr. 3074				
a	I 7RX 5 p3 - -8	<u>Jrisdeckscheibe</u> an Stelle v. IJRX5p-8		76		
ક	·	diaphragm covering di inst. of IJRX5p -8	isc /			~
g					<u> x5p2 - 8</u>	
		<u>rung Nr. 3340</u> nge Nr. 3340				, /
40	IJRX5p2 - 8	<u>Jrisdeckscheibe</u> an Stelle v. IJRX5p3-8		$\backslash \bigcirc$.		%
10		diaphragm covering di inst. of IJRX5p3 - 8	isc			
Änd. Hr.	Lfd. Nr.		gszustand dieses Bla fd. Nr Tag u	ttes i Name – Ånd Nr.	I fd. Nr.	Ton u. Name

	Anderengozaciene diesco biarros									
Änd. Nr.	Lfd. Nr.	Tag u. Name	Ănd. Nr.	Lfd. Nr.	Tag u. Name	Ănd. Nr.	Lfd. Nr.	Tag u. Name		
2350	2, 3	2. 3. 63								
2963	5, 6	4 * *	T							
2963 3074	1									
2240	40	2 * *								

Alfred Gauthier G.m.b.H. Calmbach a. d. Enz

Ānd. Nr.

3341

3463

Lfd. Nr.

2, 3, 4

Tag u. Name

2.9.63

Änd. Nr.

Lfd. Nr.

Tag v. Name

Änd. Nr.

PRONTOR - PRESS
Geändert
IJRX5 p3
Teile
zu Modell IJRX5p to model IJRX5pChanged p

Geänderte

Liste besteht aus Blatt Blatt Nr. 2 Gepr. Gefertigt: 2.9.63 /c.

Lfd. Nr.

Tag u. Name

		zu Modell IJRX5p	to model IJRX5pChanged parts	Gefertigt: 2.9.63 pe	
Lid.Nr.	Teil Nr.:	Teilbenennung:		Teil:	
1	Anderung Nr. 3341 Change Nr. 3341				
2	IJRX5p -U31 siehe Mod.IJRX5p AndBl.2 see model IJRX5p chonge sheet 2	Antriebring an Stelle v.IJRX5-U31.1 drive ring inst of IJRX5 - U31.1			
3	IJRX5p - 61 siehe Mod.IJRX5p AndB1,2 see model IJRX5p change sheet 2	Sektor an Stelle v. IJRX5-61 shutter blade inst. of IJRX5-61			
4	IJRX5p- 130 siehe Mod.IJRX5p Bl. 4 see model IJRX5p	Sektorenringschr. an Stelle v. 1817-30-6400 shutter blade ring screw			
5	81. 4 <u>Änderu</u> Chang	inst. of 1817-30-6400 ung Nr. 3463 ge Nr. 3463	i)RX	13RX5ρ3 - 3.1 s.	
6	I3RX5p3-3.1	Boden an Stelle v. IJRX5 p3-3 bottom inst. of IJRX5 p3 -3			
7	1				
8					
9			-	•	
10			-		
Änderungszustand dieses Blattes					