EC EC

Type 10500

Ersatzteile Reparatur

Spare Parts Repairs

Pièces de rechange Réparation

Repuestos Reparación

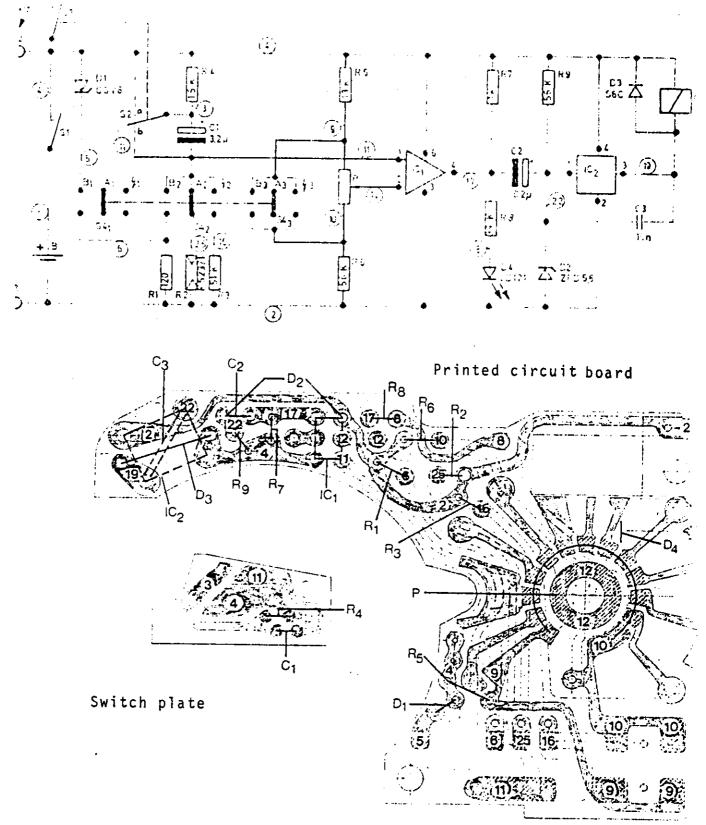
	Stck.	Terlebezeichnung / Part name	VI 8
Fig. no.	qty.	Designation / Designation	Teil- Nr / Part no / No. de piece / No de piezo
1	1	Sleeve, complete	10500 58000
2	1	Camera back, complete	10500 52000
3	2	Screw, countersunk machine a Bg 1.45 x 2.35 mm	00000 30123
4	1	Latch pin	10500 50001
5	1	Pressure spring	00000 35057
6	1	Pressure plate, complete	10500 51000
7	1	Front cap, complete	10500 55000
8	2	Screw, countersunk machine & Bg 1.45 x 2.35 mm	00000 30123
9	1 - 2	Compensation filter 15,2080.85%	10800 50007
10	1	Cap	10500 45001
11	1	Support plate	10500 40002
12	2	Screw, countersunk machine a Bg 1.45 x 5 mm	00000 30124
13	1	Battery Mallory PX 27 Varta V 27 PX Ucar EPX 27	3000 30124
4	1	Battery cover	10500 60001
5	1	Base, complete	10500 42000
6	1	. Viewfinder window	10500 42002
7	1	. Viewfinder, complete	10500 44000
8	1	· space ring	10500 42001
9	1	. Eyepiece	10400 82003
0	1	Screw, countersunk machine	70400 82093
		M 1.4 x 3 mm	00000 30072
1 2	1	Counter disc, complete	10500 41000
7	1	Space disc 5.5 ø x 2.05 ø x 0.1 mm	00000 31022

Bild-N	r Stok.	Teilebezeichnung / Part name	Teil- Nr /Part no / No.
Fig no	qty	Designation / Designacion	de piece / No de pieza
		Electronic Components	
110	1	Printed circuit board, complete	10500 05000
IC 1	1	. Threshold detector TCA 331 W or similar	10500 05005
	(1)	. Threshold detector TCA 331 W or similar	00000 36319
IC 2	1	. Threshold detector MCC 102 or sim.	10800 16110
	(1)	. Threshold detector MCC 102 or sim.	00000 36221
D 1	1	. Z diode BZX 83 COV8 or similar	00000 36376
D2	1	. Z diode ZPD 5,6 or similar	00000 36376
D3	1	. Diode S 6 C or similar	00000 36015
D4	1	. LED red, LD 121 I or similar	10500 05108
	(1)	. LED red, LD 121 I or similar	00000 36320
R1	1	. Resistor 120 Ohm	00000 36387
	(1)	. Resistor 100 Ohm	00000 36341
	(1)	. Resistor 110 Ohm	00000 36404
	(1)	. Resistor 130 Ohm	00000 36405
	(1)	. Resistor 150 Ohm	00000 36267
i	(1)	. Resistor 160 Ohm	00000 36406
	(1)	. Resistor 180 Ohm	00000 36388
R2	1	. Photo resistor K 523/1	10500 05007
R3	1	. Resistor 51 k Ohm	00000 36366
; 	(1)	. Resistor 47 k Ohm	00000 36228
R 5	1	. Resistor 13 k Ohm	00000 36359
R6	1	. Resistor 56 k Ohm	00000 36360
R 7	1	. Resistor 1 k Ohm	00000 36317
R8	1	. Resistor 3,9 k Ohm	00000 36186
R9	1	. Resistor 56 k Ohm	00000 36360
C 2	1	. Tantalum capacitor 0,2 µF/20 V	00000 36335
23	1	. Capacitor 10 nF	00000 36375
	1	. Flex, orange 24 mm long (Printed circuit board - switch plate)	10500 05010
	1	Flex, orange 60 mm long (Printed circuit board - pressure plate)	10500 05011

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Bild-Nr	Stok.	Teilebezeichnung / Part name	Teil-Nr./Part no / No
Fig. no	qty.	Designation / Designacion	de piece / No de pieza
101	1	Body, welded	10500 01000
102	1	. Positive contact	10500 01005
103	1	. Tubular rivet 1.5 ø x 0.2 x 1.5 mm	00000 23031
104	1	. Negative contact	10500 01015
105	1	. Insulating foil	10500 01017
106	2	. Contact spring	10500 01016 .
107	1	Lens, complete 1 : 5.6 / 15mm	10500 10000
108	1	Setting dial	10500 20001
109	1	Switch unit, complete	10500 08000
110	1	Printed circuit board, complete	10500 05000
111	1	Disc 3.2 ø x 2.1 ø x 0.2 mm	00000 31106
112	2	Disc 3 ø x 1.5 ø x 0.3 mm	00000 31105
113	2	Screw, fillister Bg 1.4 x 2.5 mm	00000 30100
114	1	Control unit, complete	10500 15000
115	1	. Switch latch	10500 15002
116	1	. Screw, fillister M 1.2 x 0.7mm	00000 30129
117	2	Screw, countersunk machine M 1.2 x 2 mm	00000 30074
118	1	Insulating foil	10500 30004
119	1	Flap	10500 30101
			19300 30101
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Bild-Nc	Sick	Teilebezeichnung / Part name	Teil-Nr/Part no / No
Fig no	qty.	Designation / Designation	de piece / No de pieza
201	1	Innon plate	
202	1	Inner plate, complete	10500 24000
203		. Inner plate, riveted	10500 25000
204	1	Torsion spring	10500 25108
205	1	. Transport wheel, complete	10500 26000
206	1	. Transport block spring	10400 53007
207	(1)	Rewind block spring	10400 53008
208	1	Disc 8.4 ø x 6.85 ø x 0.05 mm	00000 31033
209	1	. Film core retainer	10400 53006
210	1	Screw, fillister M 2.3 x 3.05 mm	· - 1
211	1	. Shutter release latch, complete	10500 29000
212	1	Screw, fillister	00000 30073
213	i	. Switch plate, complete	10500 31000
214	1	Disc 3 ø x 1.5 ø x 0.3 mm	00000 31105
	2	Screw, fillister M 1.4 x 1.4 mm	00000 30002
215	1	. Tension lever, complete	10500 28000
216	1	. Film compensation lever II	10300 90402
217	1	. Retainer washer	00000 21017
218	1	. Switch spring	10500 24102
219	1	. Screw, fillister M 1.4 x 1 mm	10500 24006
220	1	· Guide plate	10500 30006
221	1	. Screw, countersunk machine M 1.4 x 1.5 mm	00000 30039
222	1	. Screw, set M 1.4 x 3.2 mm	00000 30065
223	1	Guide plate	10500 30006
224	1	Screw, countersunk machine Bg 1.4 x 4 mm	
225	2	Screw, countersunk machine	00000 30008
226	1	Bg 1.4 x 2.3 mm	00000 30102
227	1	Shutter release pin	10500 30002
		Pressure spring 2.5 ø x 5.3 x 0.2	10500 30003

Bild-Nr	Stck		VI 81
Fig no	qty	Teilebezeichnung / Part name Designation / Designation	Teil-Nr/Part no / No.
	4.7	Designation / Designation	de piece / No de pieza
 	1	. Flex, green, 30 mm long (Printed circuit board - switch plate)	10500 05012
212	1	Switch plate, complete	10500 31000
ı	1	. Switch plate	10500 31001
R4	1	. Resistor 15 k Ohm	00000 36182
C1	1	. Tantalum capacitor 3,3 µF/6,3 V	00000 36385
	(1)	. Tantalum capacitor 3,0 μF/6,3 γ	00000 36328
		Connecting Flexes:	
	1	Flex, orange, 30 mm long (Positive contact - pressure plate)	10500 03101
	1	Flex, blue, 24 mm long (Negative contact - printed circuit board)	10500 04101
	1	Flex, black, 45 mm long (Contact spring I - release latch)	10500 06101
	1	Flex, gray, 45 mm long (Contact spring II - printed circuit board)	10500 07101
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Fig.
plate,
(pressure
switch
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Shutter release switch (switch spring Fig. 218, on tension lever Fig. 215)

A = automatic (automatic shutter)

7 = flash exposure time

B = battery check

Swit	Switchings	S1	\$2	2	53	S	4,		S 4.	,	S	4	
14	contact closed								_		-	ກ ີ	
11 	contact closed briefly		3	o 			71 21	1 ⁶ 2	2 H 2	22	κ α	A 3	72 3
ia)	Camera closed, S 4 at A setting			×		+	-		 			;	
						-			,			 <	
(o	Camera closed, S 4 at 7 setting			×				×		×			×
`a)	Camera extended, S 4 at A setting	×		×			×	-	×			×	
(1,			T		+	\dagger	+	-	1				
, 0.1	camera extended, 5 4 at 7 setting	×		×				<u>×</u>		×			×
a)	Camera released, S 4 at A setting	×	×		×	 	×	 	×			×	
(9)	Camera released, S 4 at 4 setting	×	×		(×)	+-	1	×	-	×			×
-	13 a + + c × × × × × × × × × × × × × × × × ×				+	+	+		-				
/ 5	Jairely Check, camera extended	×		×		×		×			×		•
<u> </u>	Battery check, camera released	×	×		(×	×		×	ļ		×		

VI 81

Flash switch (switch spring Fig. 218, on tension lever Fig. 215)

Selector switch for mode of operation (switch Fig. 109) Switch settings:

MINOX EC Testing Programme

1. Basic Measurement

0	L	Ri	ASA	t _a ms	Remarks
Α	М	22	100	6 - 36	if under 6 ms, insert
Α	Н	22	400	1 - 5	2 filters shutter must close

2. Filter Selection (from basic measurement)

t _a	F	t _a F	t _a	F	'tal	F
ms	0/ /0	ms %	ms	%	ms	%
6 - 7,6	85	12,5 - 14,0 65	18,9 - 20,4	45	25,3 - 26,8	25
		14,1 - 15,6 60				20
9,3 - 10,8	75	15,7 - 17,3 55	22,1 - 23,6	35	28,5 - 30	15
10,9 - 12,4	70	17,4 - 18,8 50	23,7 - 25,2	30	30,1 - 36	0

3. Final Measurement

0	L	Ri	ASA	t ms	t ms	Remarks
		v		1113	1113	
Α	М	22	100	32	22 - 44	
Α	Н	22	400	1	1 - 5,5	shutter must close
А	Н	22	200	2	1,5 - 6,0	
Α	D	22	200	1000	600 - 1600	darken any ambient light
Α	М	22	200		LED out	LED must not light at any
Α	М	22	50 ▼		LED on	intermediate setting
4		35	50	32	22 - 50	shutter must close
4		5	5 0		1	
В		25			LED on	
В		35			LED out	

4. Key

- - 4 flash exposure time.
 - Some mattery chess
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- 6) P_{\pm} = internal resistance of power supply for $u \in [0.4] V$
- $|a^{(i)}| t_{n}^{(i)}$ is nominal shutton spend.
- el is a section courtier opera -
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Lubrication =======

The following lubricant must be used:

Molykote - D paste

Lubrication Points:

- 1. Lens thread (Fig. 107)
- 2. Smooth surface between set bolt on transport wheel (Fig. 204) and torsion spring (Fig. 203)
- 3. Smooth surface of the film compensation curve at the frame counter window (Fig. 21)