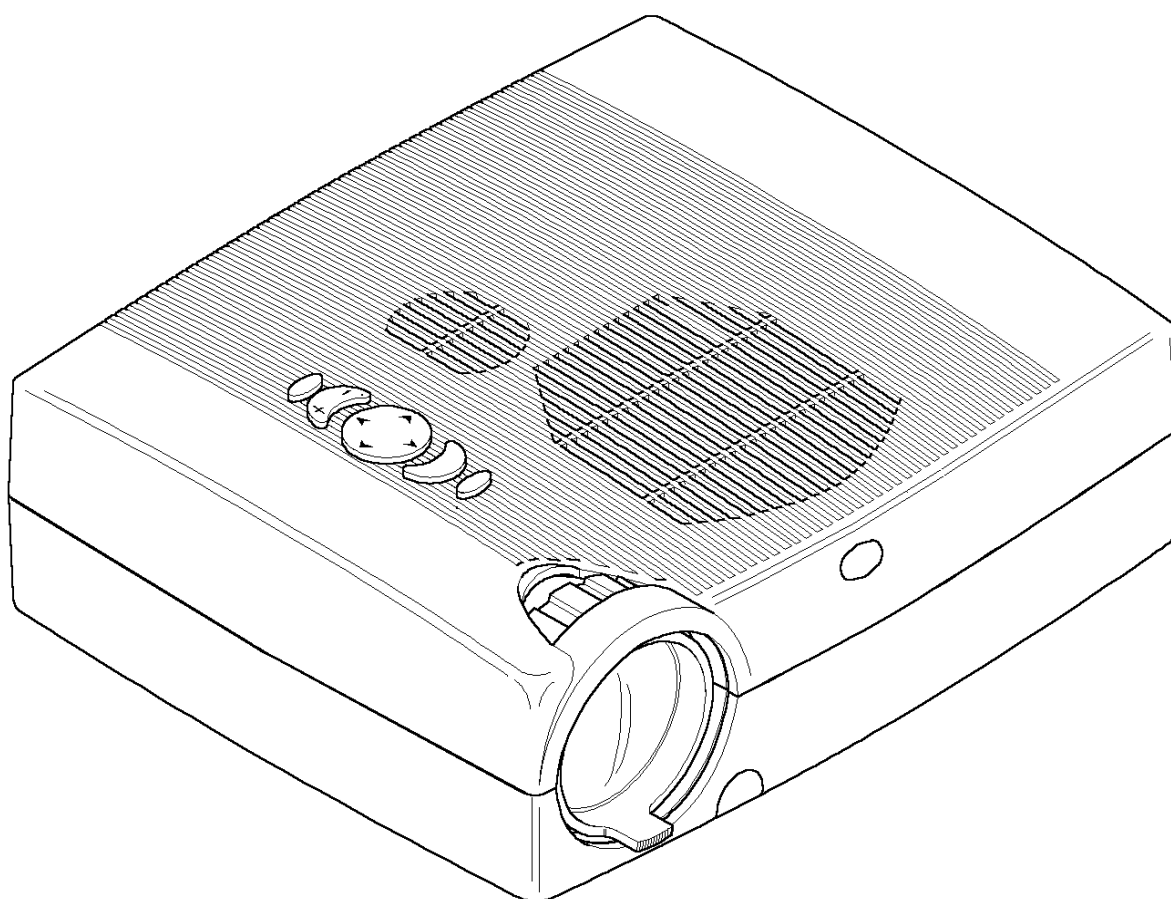


Liesegang

Liesegang ddv1111 260



Service Manual

Rev. 1



Gerät(e)
Equipment
Appareil(s)
Aparato(s)

260

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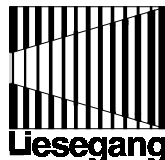
T1 - T2

Technical datas
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Verpackung

V1

Packing
Emballage
Embalaje



DEUTSCH

Achtung!

Bei allen Arbeiten am Gerät muß das Netzkabel vom Netz getrennt sein. Nur ein Instandhalter darf Service-Arbeiten durchführen, dabei sind regionale und die entsprechenden nationalen Bestimmungen für die Ausführung von Reparaturen zu beachten.

Teile, die in der Spalte „Stück-Preis“ mit einem * gekennzeichnet sind, finden Sie in unseren normalen Preislisten. Die genannten Preise sind DM-Preise, ohne die jeweils gesetzlich vorgeschriebene Mehrwertsteuer. Gültig ist jeweils die letzte Fassung der Preisliste.

Preis- und technische Änderungen bleiben vorbehalten.

ENGLISH

Note

When any work is being carried out on the device, the mains cable must be disconnected from the mains supply. Only service personnel may carry out service work. For any repair regional and corresponding national regulations are to be followed.

Parts given in the column „Item price“ with an * are to be found in our standard price list. The prices stated are prices in DM, excluding V.A.T.

The latest edition of the price list shall apply.

Subject to price and technical amendment.

FRANÇAIS

Attention!

Lors de tous les travaux effectués sur l'appareil, il faut enlever le cordon d'alimentation de la prise de courant. Les travaux de réparation ne doivent être effectués que par personnel spécialisé. Pour toutes les réparations on doit tenir compte des dispositions légales régionales et nationales.

Vous trouverez les pièces marquées de * dans la colonne „Prix pièce“ dans notre tarif général. Les prix sont exprimés en DM, hors T.V.A.

C'est toujours la dernière version de la liste des prix qui est valable.

Sous réserve de modifications techniques et de prix.

ESPAÑOL

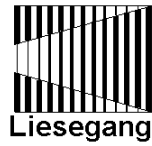
Atención!

En todos los trabajos a realizar en el aparato, tiene que separarse el cable de la red. Los trabajos de servicio sólo debe realizarlos un especialista. Por esa razón, antes de la realización de la reparación, hay que tener en cuenta las prescripciones regionales y correspondientes nacionales.

Piezas, que en la columna „Precio por pieza“ están marcadas con *, se encuentran en nuestras listas de precios normales. Los precios indicados son precios en marcos alemanes, sin IVA.

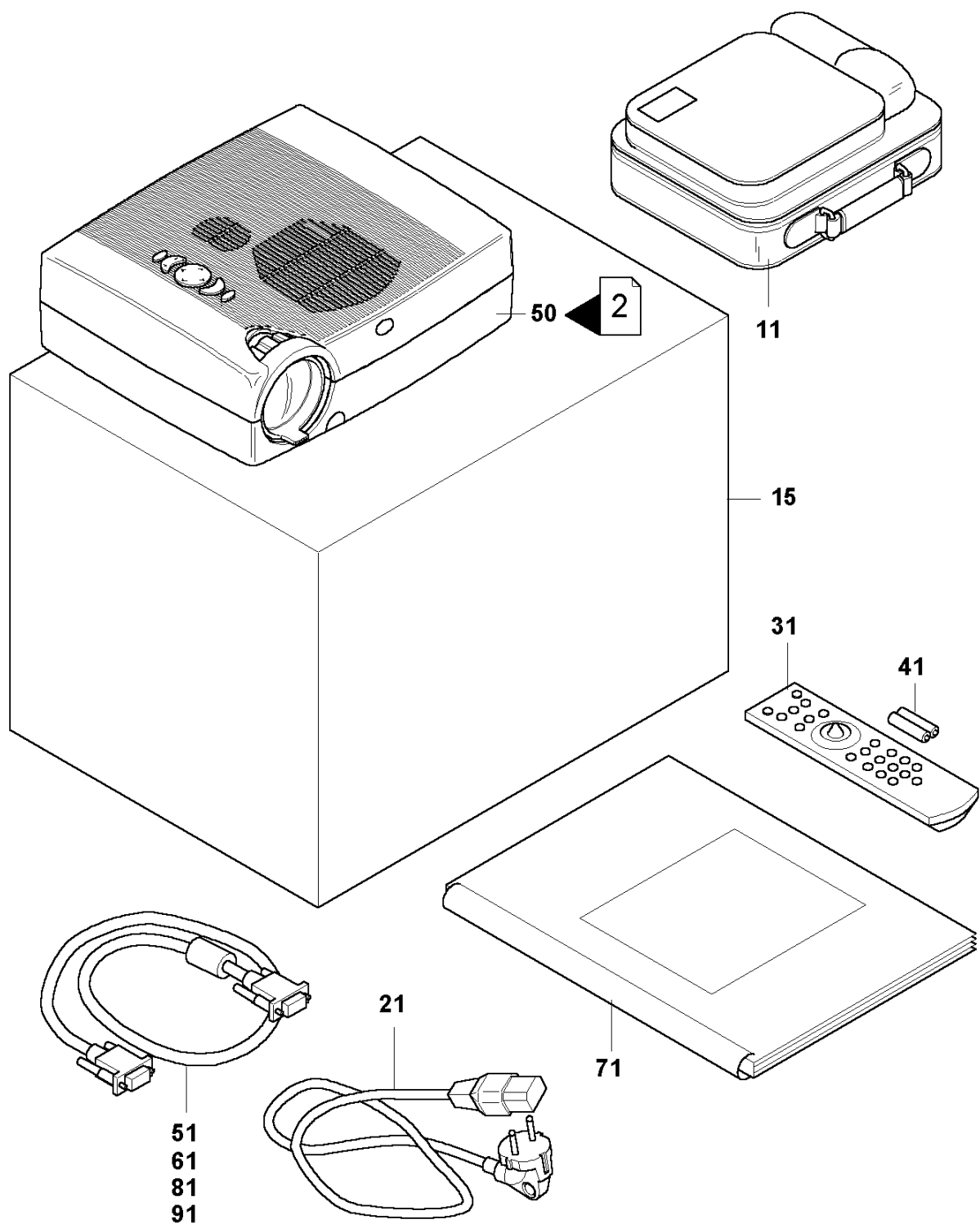
Rige siempre la última versión de la lista de precios.

Reservados todos los derechos a modificaciones técnicas y precios.



1 Liesegang ddv1111

02 60036C0000





1 Liesegang ddv 1111

02 60036C0000

Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
11	Soft-Case	EK 0260980010	10012 -
15	Verpackungssatz ddv1111	BG 0260990008	10012 -
21	Netzkabel 3m sw mit Drossel D	BG 0244100018	10012 -
31	IR-Fernbedienung ddv 1111	EK 0260088010	10012 -
41	Alkali-Batt.1,5V, verp.2 Stck.	BG 0234088028	10012 -
50	Liesegang ddv 1111	BG 0260036C0000	10012 -
51	Anschluß-Set Video	EK 0242840000	10012 -
61	Anschluß-Set VGA 3-teilig	EK 0252710010	10012 -
71	Bedienungsanleitung ddv 1111	EK 0260990060	10012 -
81	Adapter Scart 3	EK 0842840040	10012 -
91	USB-Verbindungskabel 2M	EK 0061100010	10681 -



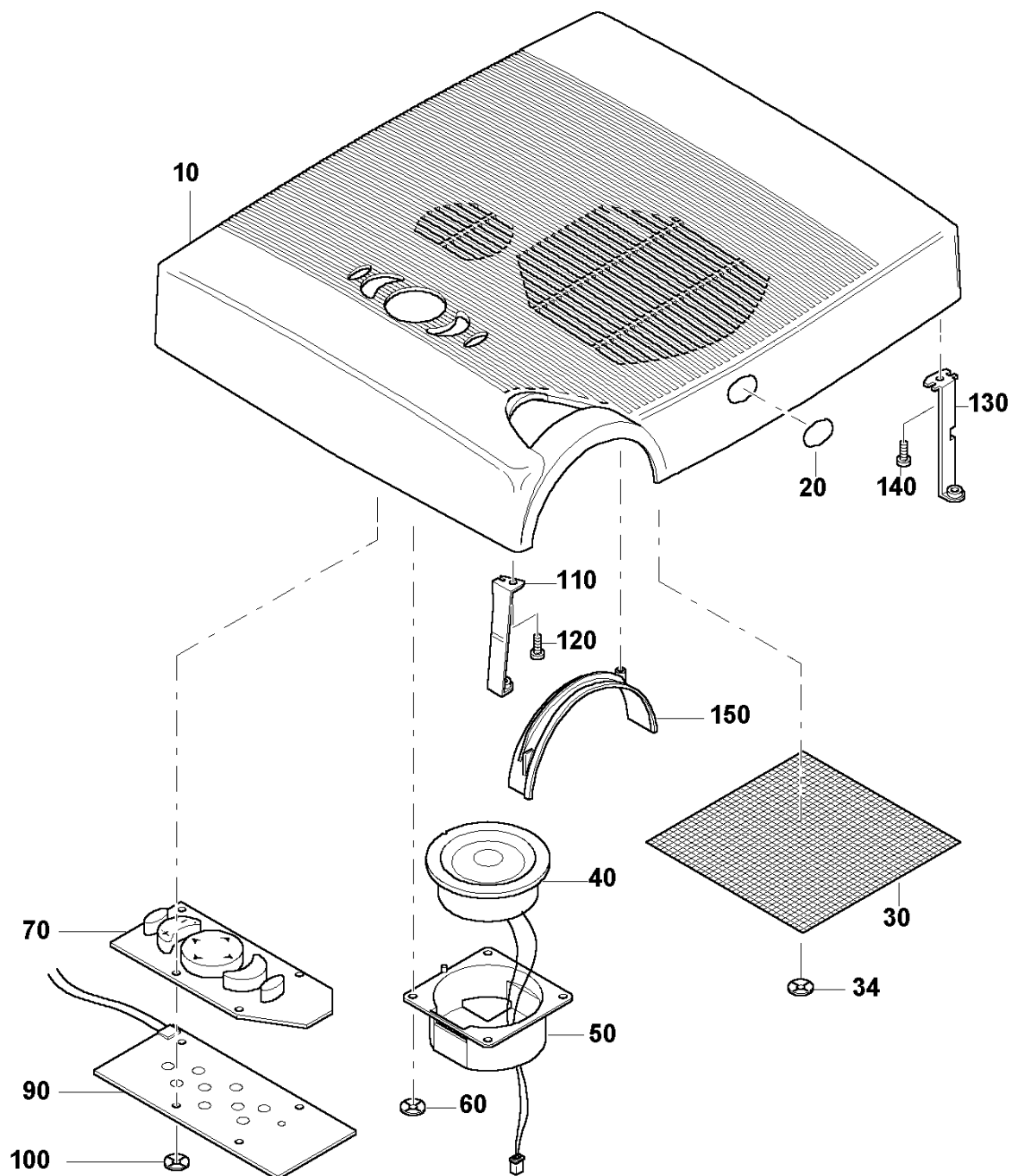
2 Liesegang ddv 1111

BG 0260036C0000

Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
10	Optical Engine, kompl.	BG 0260022000	10012 -
20	Gehäuse-Oberteil, vorm.	BG 0260011018	10012 -
30	Schr TORX M3x8 T10 StZn schw.	BG 0260150010	10012 -
40	Gehäuse-Unterteil, vorm.	BG 0260011068	10012 -
50	Schr TORX M3x10 StZn schwarz	BG 0260150010	10012 -
60	Schr TORX M3x12 T10 StZn	BG 0260150010	10012 -
70	Filtermatte	EK 0245011210	10012 -
80	Filtergitter, lackiert	EF 0260011098	10012 -
90	Videoabdeckung, lackiert	EF 0260011168	10012 -

3 Gehäuse-Oberteil, vorm.

BG 0260011018



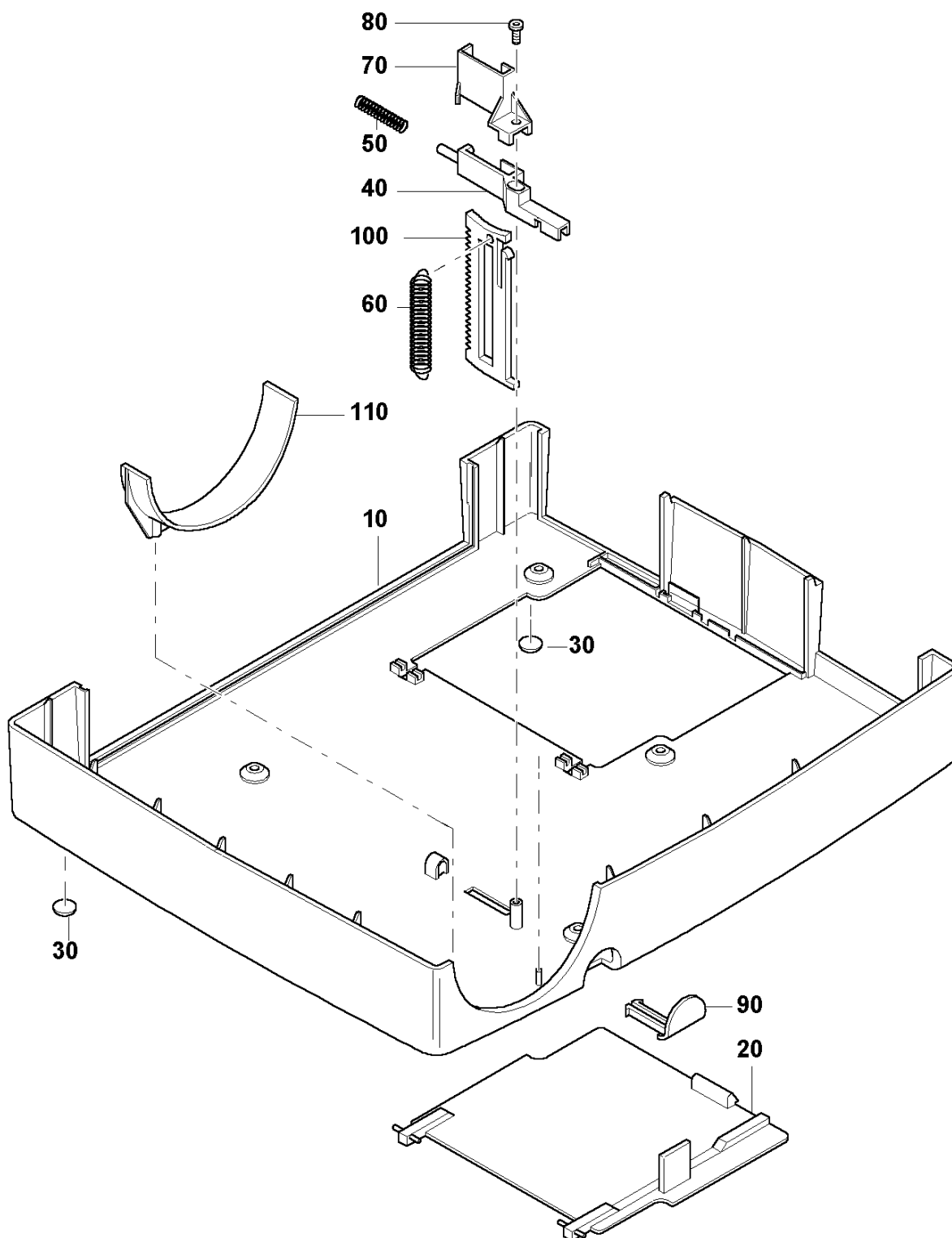


3 Gehäuse-Oberteil, vorm. BG 0260011018

Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
10	Gehäuse-Oberteil, bedruckt	EF 0260011019	10012 -
20	IR-Filterscheibe	EK 0245011020	10012 -
30	Drahtgitter, lackiert	EF 0245011239	10012 -
34	Schnellbefestiger 2	BG 0260150020	10012 -
40	Lautsprecher, vorm.	BG 0245011508	10012 -
50	Lautsprecherabdeckung	EK 0245011170	10012 -
60	Schnellbefestiger d=3	BG 0260150020	10012 -
70	Gummitastatur	EK 0260066020	10012 -
90	Leiterpl. Tastatur QM	BG 0260066019	10012 -
100	Schnellbefestiger d=3	BG 0260150020	10012 -
110	Bügel 3, genietet	BG 0245011058	10012 -
120	Schr TORX M3x8 T10 StZn schw.	BG 0260150020	10012 -
130	Bügel 2, genietet	BG 0245011108	10012 -
140	Schr TORX M3x8 T10 StZn schw.	BG 0260150020	10012 -
150	Schale, oben	EK 0245011030	10012 -

4 Gehäuse-Unterteil, vorm.

BG 0260011068



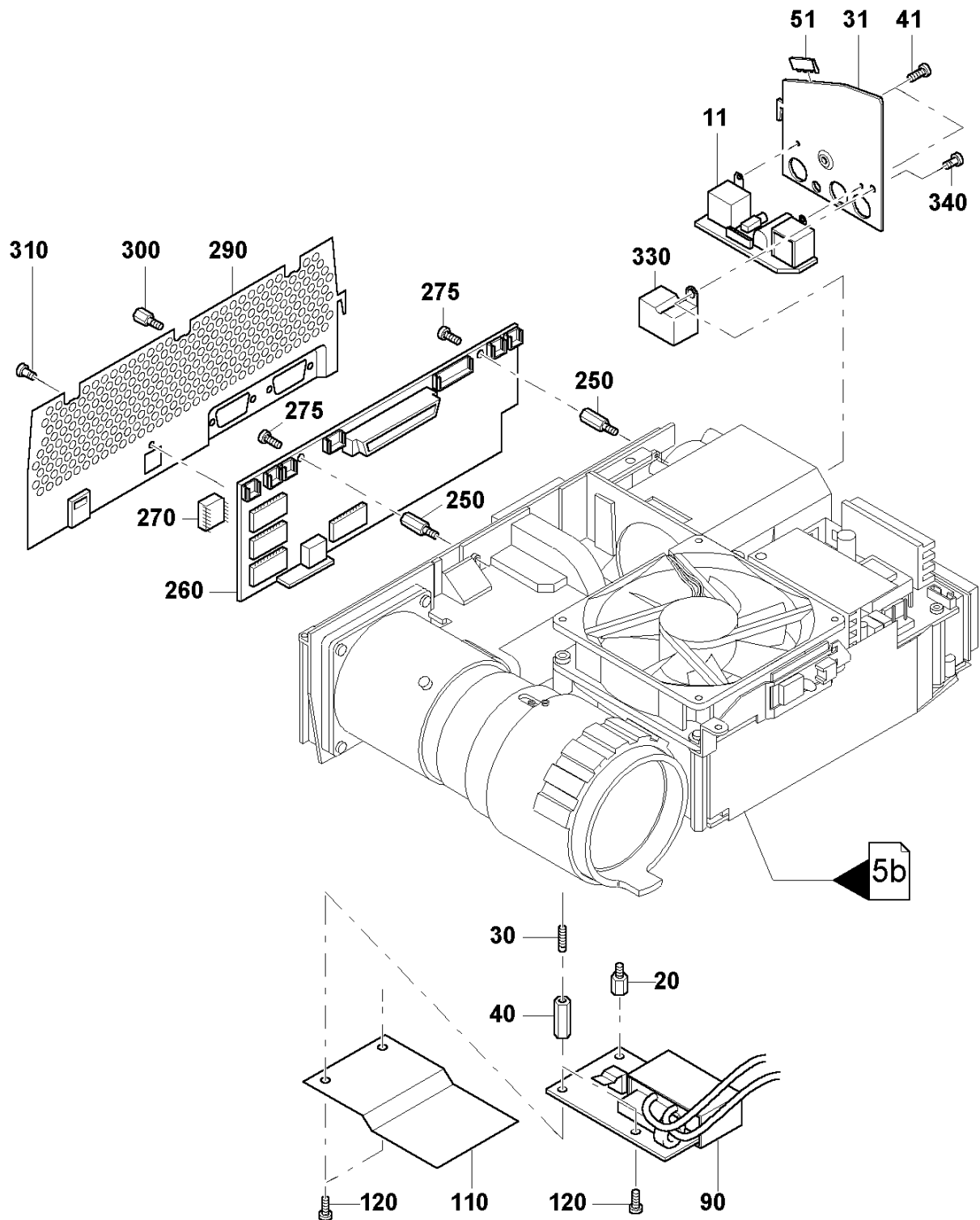


4 Gehäuse-Unterteil, vorm. BG 0260011068

Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
10	Gehäuse-Unterteil m. Aufkleber	BG 0260011065	10012 -
20	Klappe, lackiert	EF 0260011088	10012 -
30	Elastikpuffer d = 7,9 h = 2,2	EK 0636044290	10012 -
40	Schieber	BG 0260150040	10012 -
50	Druckfeder-Stellfuß	BG 0260150040	10012 -
60	Zugfeder-Stellfuß	BG 0260150040	10012 -
70	Führung	BG 0260150040	10012 -
80	Schr TORX K 3x8 St-Zn, schwarz	BG 0260150040	10012 -
90	Drücker	BG 0260150040	10012 -
100	Säule	EK 0245011150	10012 -
110	Schale, unten	EK 0245011070	10012 -

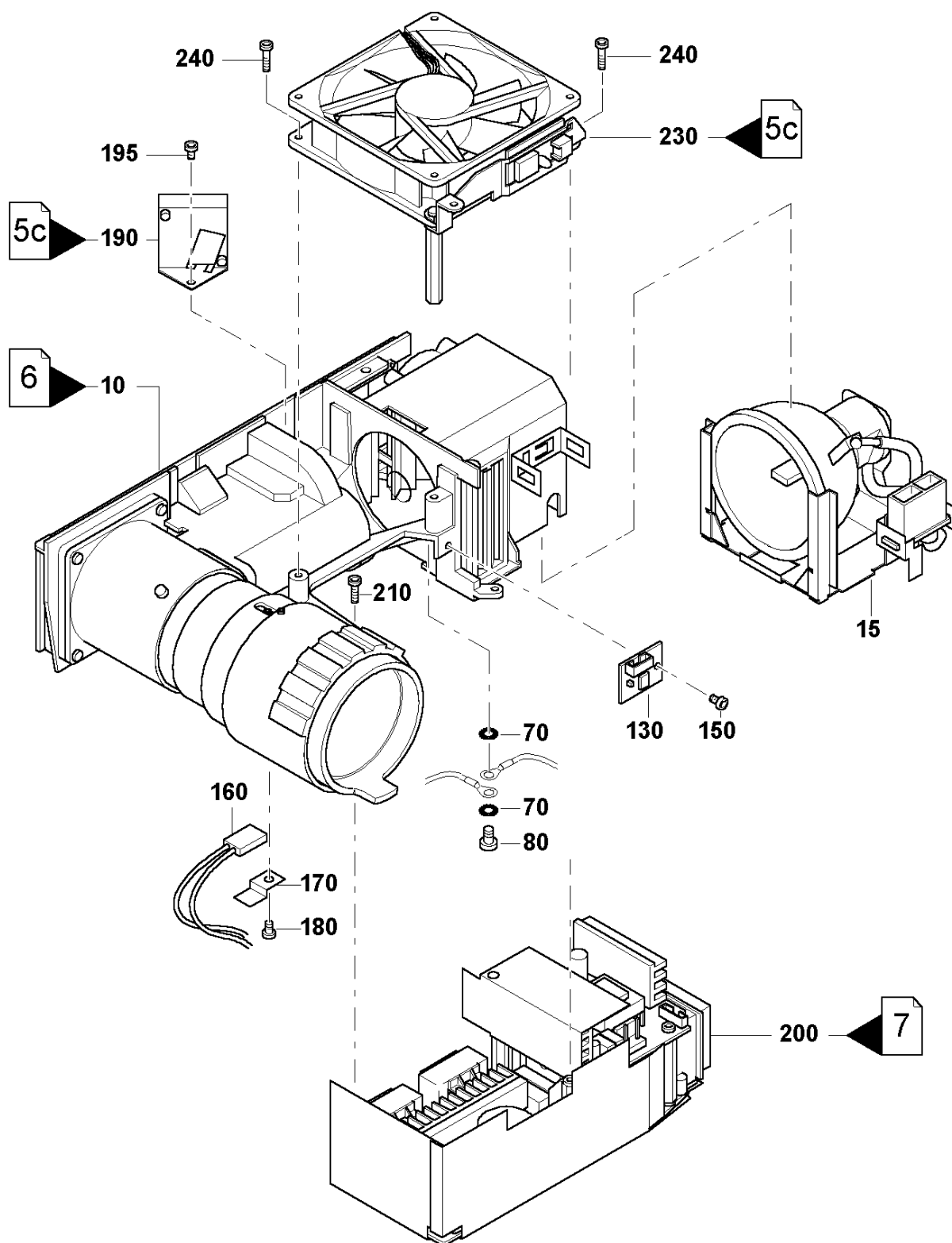
5a Optical Engine kompl.

BG 0260022000



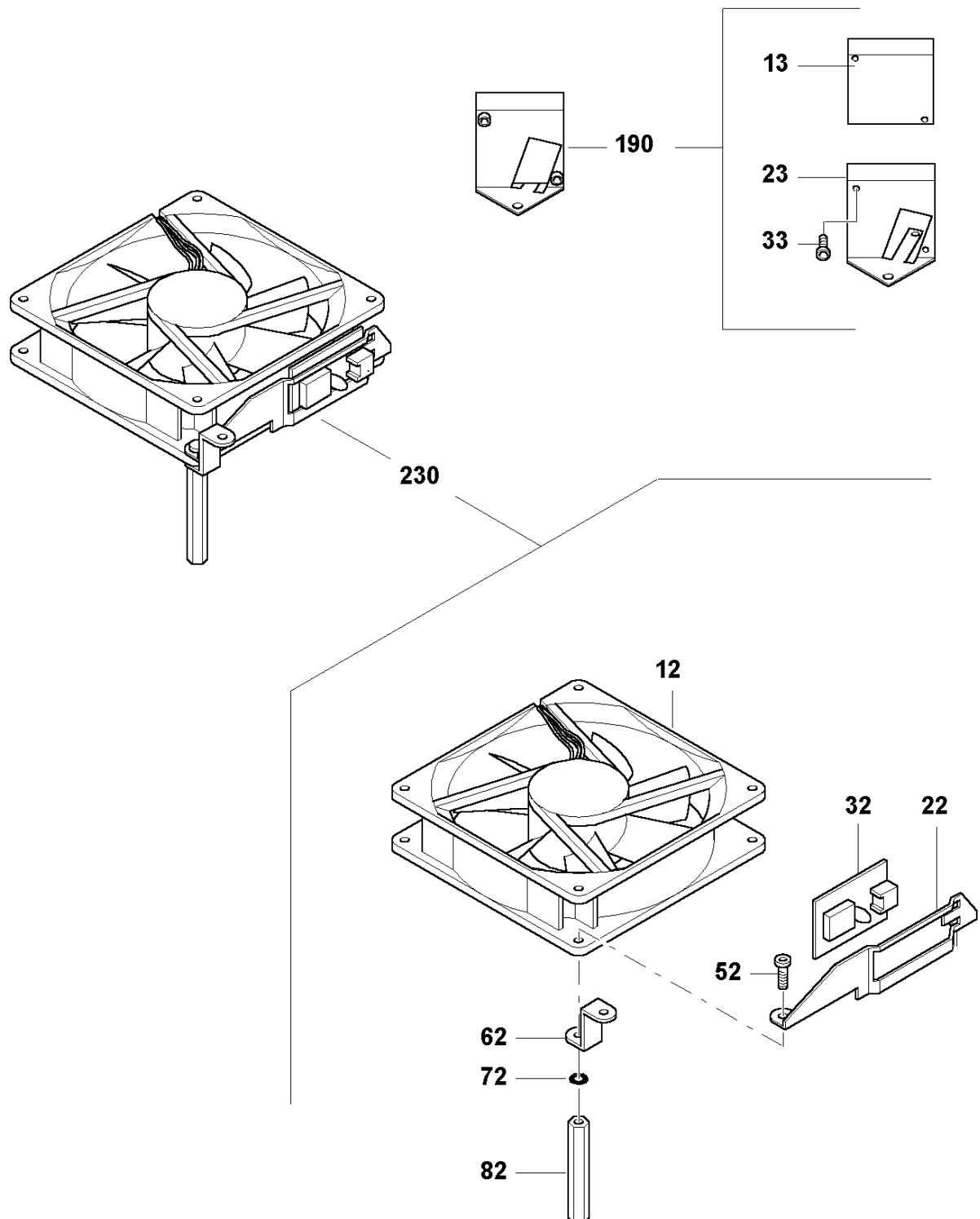
5b Optical Engine kompl.

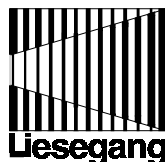
BG 0260022000



5c Optical Engine kompl.

BG 0260022000



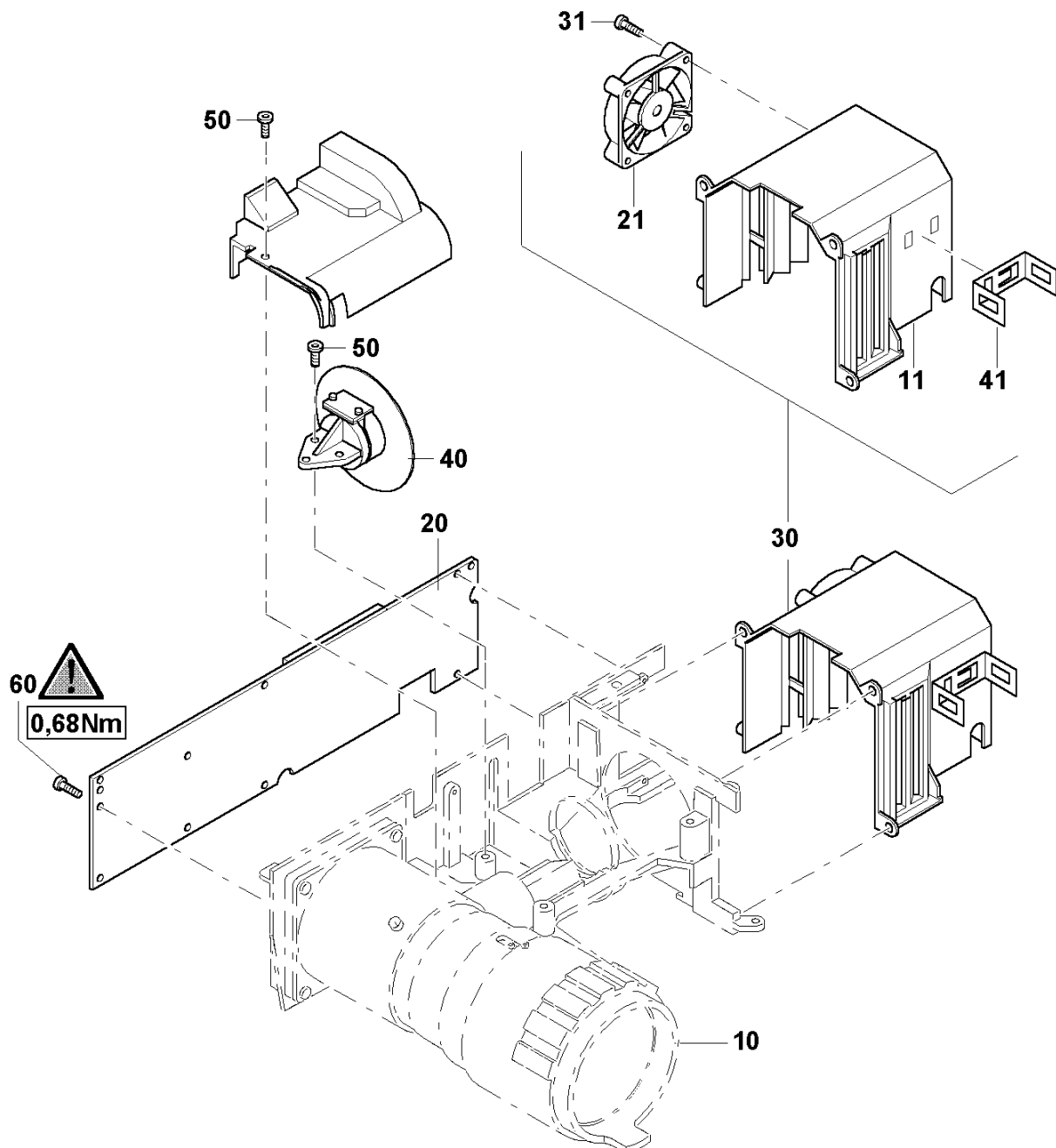


5 Optical Engine kompl.

BG 0260022000

Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
10	Ultraportable Engine ohne Lampe	BG 0260022505	10012 -
11	Leiterpl. Buchsenb.-Video QM	BG 0245088119	10012 -
12	Lüfter 92x92x25, 12V DC, vorm.	BG 0245022219	10012 -
13	Lüfter 30x30x10, 5V DC	EK 0245022230	10012 -
15	Lampe ddv 1111	ZU 0260022010	10012 -
20	Distanzbolzen SW5,5/M3x8	BG 0260150020	10012 -
22	IR-Haltefeder	EF 0245022190	10012 -
23	Lüfterblech	EF 0245022240	10012 -
30	Gew.Stift M3x12 DIN 914 St	BG 0260150020	10012 -
31	Steckerblech Videoboard lack.	EF 0245088138	10012 -
32	Leiterpl. IR-Empfänger QM	BG 0245066519	10012 -
33	Schr Torx K 2,5x10 St-Zn sw	BG 0260150020	10012 -
40	Distanzbolzen SW6/M3x18 Kst.	BG 0260150020	10012 -
41	Schr TORX M3x8 T10 StZn	BG 0260150020	10012 -
51	Kontaktstreifen Interface-Box	EK 0242077250	10012 -
52	Schr TORX M3x12 T10 StZn sw	BG 0260150020	10012 -
62	Bügel 1	EF 0245011040	10012 -
70	Zahnscheibe A4,3 DIN 6797 St	BG 0260150020	10012 -
72	Zahnscheibe A3,2 DIN 6797 St	BG 0260150020	10012 -
80	Schr TORX M4x6 T20 StZn schw.	BG 0260150020	10012 -
82	D-Bolzen SW6/M3x40 Kst.	BG 0260150020	10012 -
90	Zündgerät	EK 0245099140	10012 -
110	Isolierfolie ZG	EK 0245099130	10012 -
120	Schr.TORX M3x5 T10 StZn schw	BG 0260150020	10012 -
130	Leiterpl. Temp.Sensor QM	BG 0245066319	10012 -
150	Schr.TORX M3x5 T10 StZn schw	BG 0260150020	10012 -
160	Thermoschalter	EK 0245099108	10012 -
170	Klemmbügel-Thermoschalter	EK 0245099120	10012 -
180	Schr.TORX M3x5 T10 StZn schw	BG 0260150020	10012 -
190	Lüfter 30x30x10, vorm.	BG 0245022238	10012 -
195	Schr.TORX M3x5 T10 StZn schw	BG 0260150020	10012 -
200	EVG + Flyback-Converter, vorm.	BG 0245099118	10012 -
210	Schr TORX M3x10 StZn schwarz	BG 0260150020	10012 -
230	Lüfter, vorm.	BG 0245022218	10012 -
240	Schr TORX M3x12 T10 StZn sw	BG 0260150020	10012 -
250	Distanzbolzen SW5,5/M3x12	BG 0260150020	10012 -
260	Leiterpl. Interface QM	BG 0245044119	10012 -
270	Prom 4M prog. LG	BG 0260099910	10012 -
275	Schr.TORX M3x5 T10 StZn schw	BG 0260150020	10012 -
290	Steckerblech Interf. bedruckt	EF 0245044039	10012 -
300	Bolzen, UNC-UNC	BG 0260150010	10012 -
310	Schr.TORX M3x5 T10 StZn schw	BG 0260150020	10012 -
330	Hitzeschutz	EK 0245022100	10012 -
340	Schr Torx K 3x6 St-Zn	BG 0260150020	10012 -

6 Ultraportable Engine o. Lampe BG 0260022505



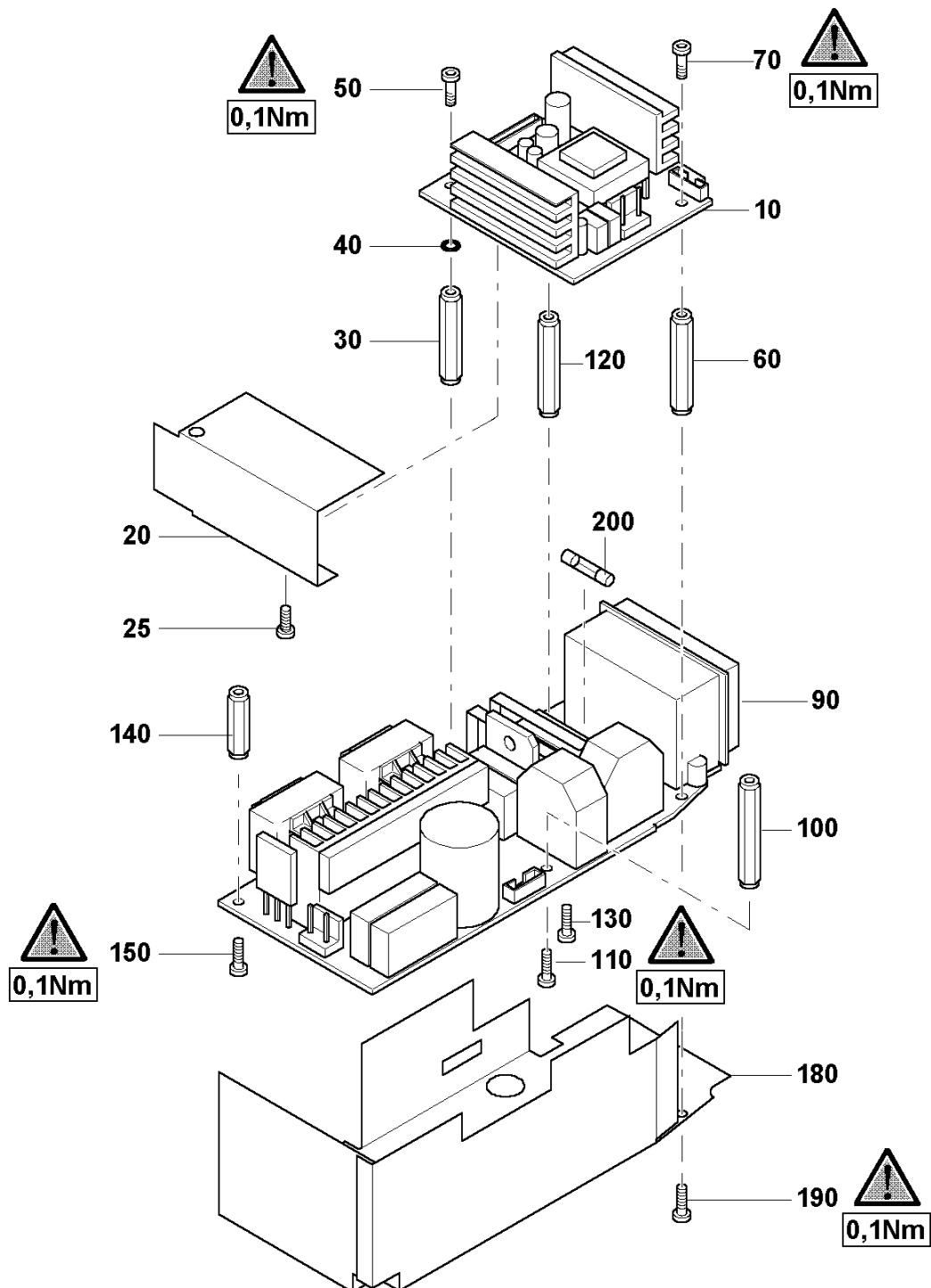


6 **Ultraportable Engine o. Lampe BG 0260022505**

Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
11	Lampenhaus	EK 0245022110	10012 -
20	XGA DMD-Kit mit Aufkleber	BG 0260022028	10012 -
21	Lüfter 40x40x10, 12V DC	EK 0245022200	10012 -
30	Lampenhaus, vormontiert	BG 0245022118	10012 -
31	Schr TORX K 3x16 St-Zn schwarz	BG 0260150020	10012 -
40	Farbrad	EK 0245022020	10012 -
41	Haltefeder Buchse	EF 0245022160	10012 -
50	Schr ISO 7045 M3x6 -Z St-Zn		10012 -
60	Schr ISO 7045 M3x8 -Z St-Zn		10012 -

7 EVG + Flyback-Conv. Vorm

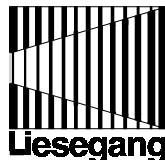
BG 0245099118





7 EVG + Flyback-Conv. vorm. BG 0245099118

Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
10	Leiterpl. Flyback-Converter QM	BG 0245099019	10012 -
20	Isolierfolie NT	EK 0245099160	10012 -
25	Schr. TORX M3x5 T10 StZn schw	BG 0260150030	10012 -
30	Distanzbolzen SW6/M3x34,5 St-Zn	BG 0260150030	10012 -
40	Zahnscheibe A3,2 DIN 6797 St	BG 0260150030	10012 -
50	Schr.TORX M3x6 T10 Kst. schw.	BG 0260150030	10012 -
60	Distanzbolzen SW6/M3x37,5 Kst.	BG 0260150030	10012 -
70	Schr.TORX M3x6 T10 Kst. schw.	BG 0260150030	10012 -
90	EVG mit Isolierfolie	BG 0245099115	10012 -
100	Distanzbolzen SW6/M3x40 Kst.	BG 0260150030	10012 -
110	Schr.TORX M3x6 T10 Kst. schw.	BG 0260150030	10012 -
120	Distanzbolzen SW6/M3x37,5 Kst.	BG 0260150030	10012 -
130	Schr.TORX M3x6 T10 Kst. schw.	BG 0260150030	10012 -
140	Distanzbolzen SW6/M3x25 Kst.	BG 0260150030	10012 -
150	Schr.TORX M3x6 T10 Kst. schw.	BG 0260150030	10012 -
180	Isolierfolie EVG	EK 0245099150	10012 -
190	Schr.TORX M3x6 T10 Kst. schw.	BG 0260150030	10012 -
200	Sicherung F 3,15A DIN EN 60127	EK 0060560620	10012 -

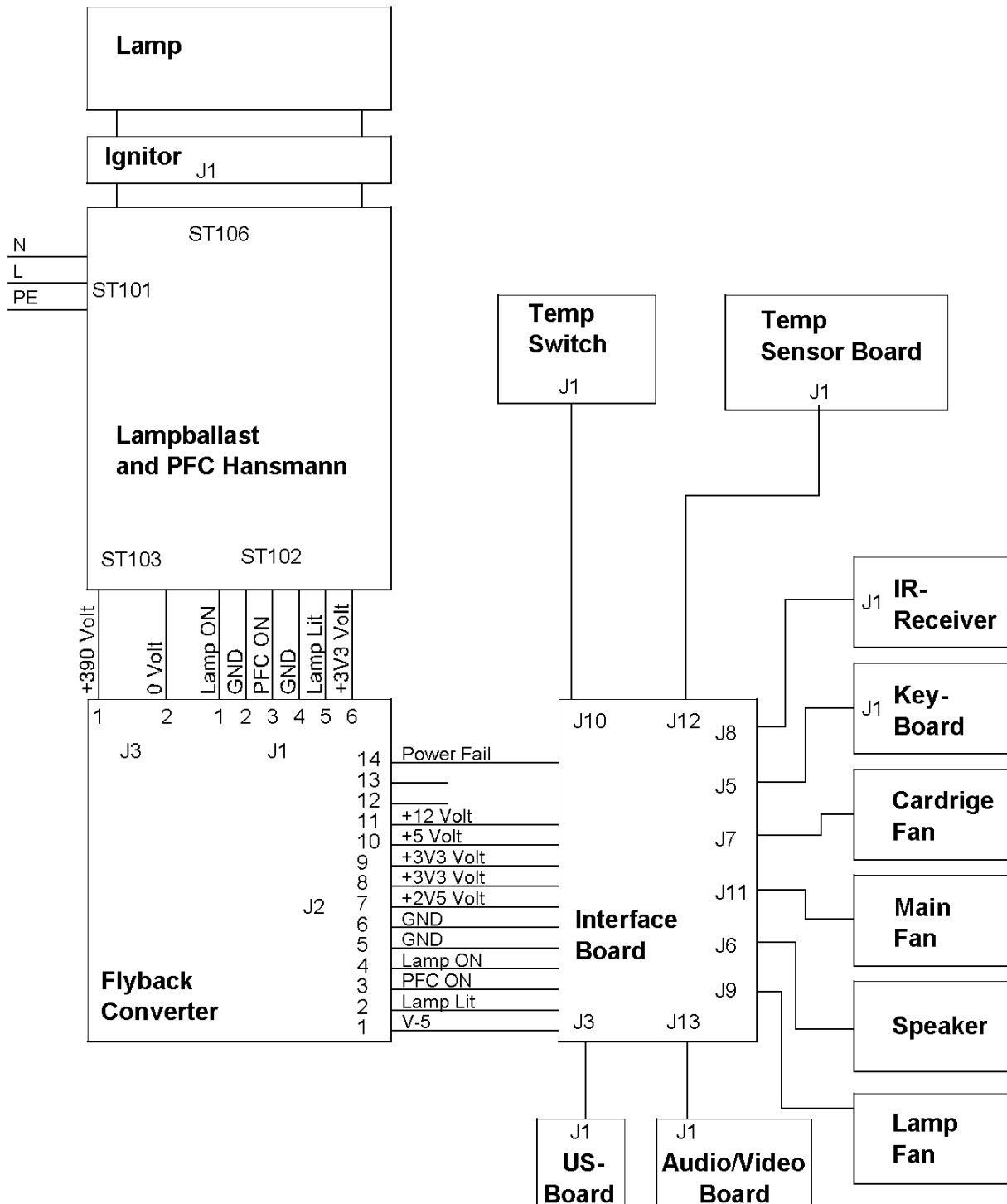


8 Verdrahtungsplan 260

BG 026090C000

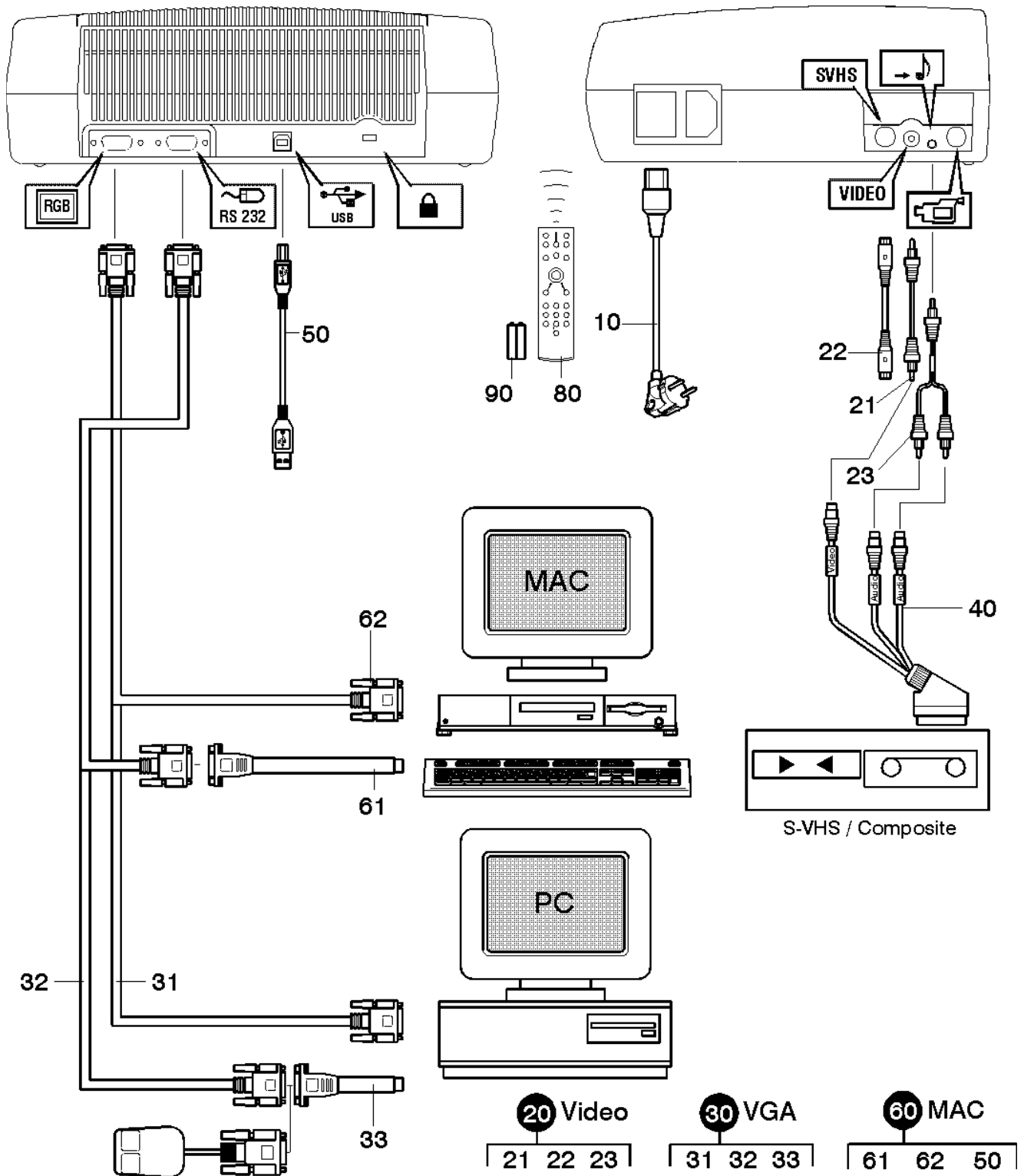
Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
1	Kabel 270 AWG18 gnge 9/17	EF 0246099230	10012 -
2	Leiterpl. Tastatur QM	BG 0260066019	10012 -
3	Lautsprecher, vorm.	BG 0245011508	10012 -
4	Bandkabel FPC/0,3 24P RM0,5	EK 0245099050	10012 -
5	Kabel 360 lg 4pol kpl.	BG 0245099088	10012 -
6	Bandkabel FPC/0,3 10P RM0,5	EK 0245099060	10012 -
7	Leiterpl. Interface QM	BG 0245044119	10012 -
8	Prom 4M prog. LG	BG 0260099910	10012 -
9	Lüfter 40x40x10, 12V DC	EK 0245022200	10012 -
10	Lüfter 92x92x25, 12V DC, vorm.	BG 0245022219	10012 -
11	Kabel 360 lg 14pol kpl.	BG 0245099039	10012 -
12	Kabel 360 lg 3pol kpl.	BG 0245099038	10012 -
13	Lüfter 30x30x10, 5V DC	EK 0245022230	10012 -
14	Thermoschalter	EK 0245099108	10012 -
15	Zündgerät	EK 0245099140	10012 -
16	XGA DMD-Kit mit Aufkleber	BG 0260022028	10012 -
17	Leiterpl. IR-Empfänger QM	BG 0245066519	10012 -
18	Leiterpl. Buchsenb.-Video vorm.	BG 0245088119	10012 -
19	Kabel 160 lg 2pol sw/bl (EVG)	BG 0245099268	10012 -
20	Zahnscheibe A4,3 DIN 6797 St	BG 0260150020	10012 -
21	Kabel 155 AWG18 gnge 9/17	EF 0245099250	10012 -
22	Schr TORX M4x6 T20 StZn schw.	BG 0260150020	10012 -
23	Ultraportable Engine o. Lampe	BG 0260022505	10012 -
24	Lampe ddv 1111	ZU 0260022010	10012 -
25	Leiterpl. Temp.Sensor QM	BG 0245066319	10012 -
26	EVG mit Isolierfolie	BG 0245099115	10012 -
27	Kabel 120 lg 2pol. sw/bl	BG 0245099148	10012 -
28	Sicherung F 3,15A DIN EN 60127	EK 0060560620	10012 -
29	Kabel 125 lg 6pol kpl. (PHR)	BG 0245099098	10012 -
30	Leiterpl. Flyback-Converter QM	BG 0245099019	10012 -
31	Kabelbinder 102x2,5	BG 0260150020	10012 -

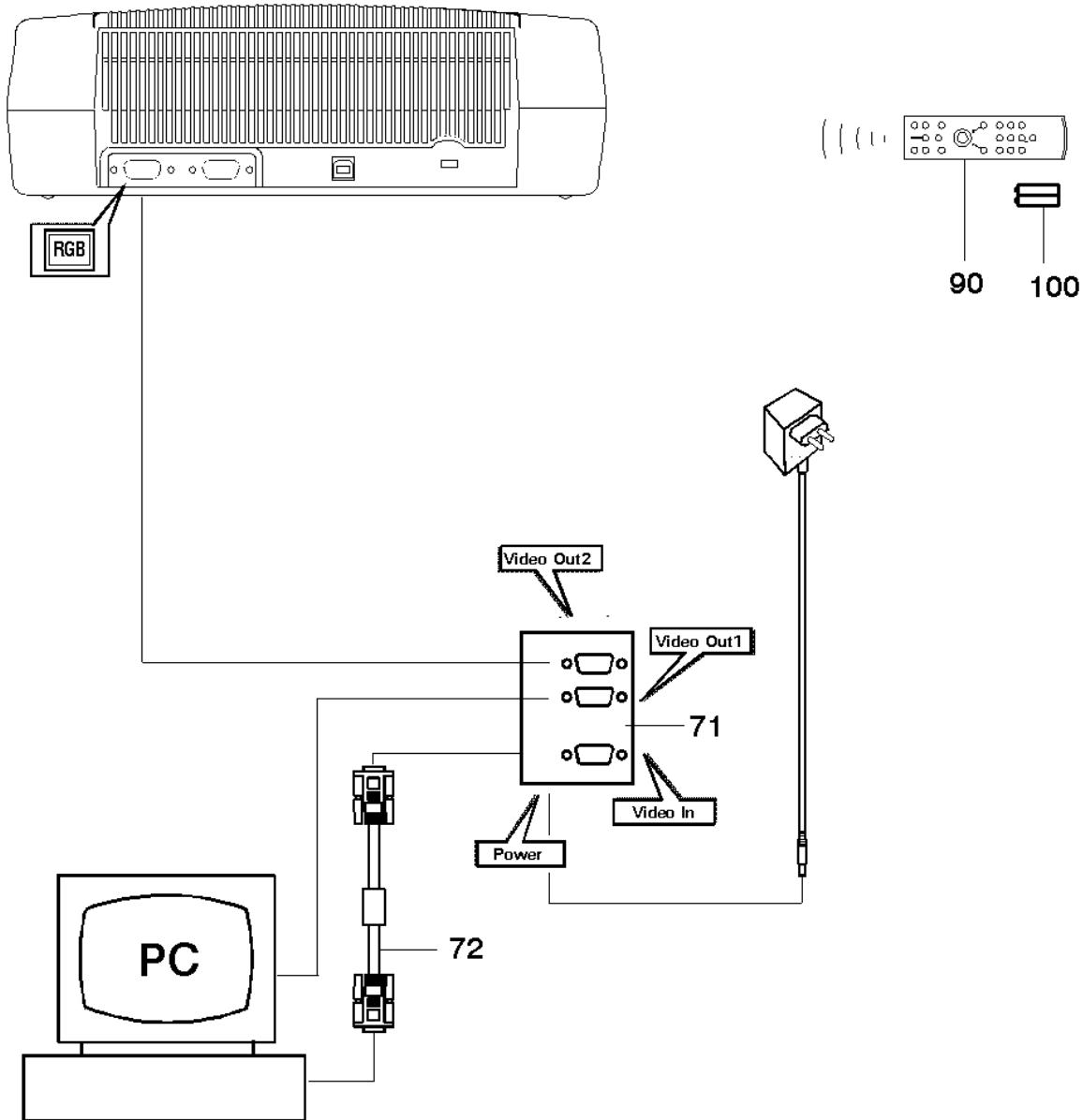
8b Theory of Operation (Electronic)



9a Anschlußplan 260

BG 026090C001





9k Anschlußplan 260

BG 026090C001

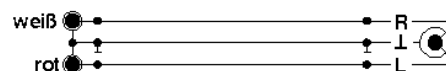
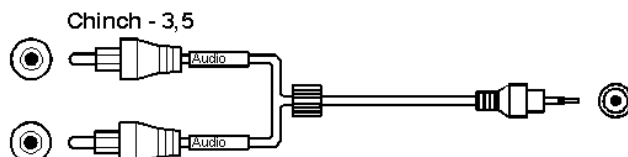
21 Cinch - Cinch



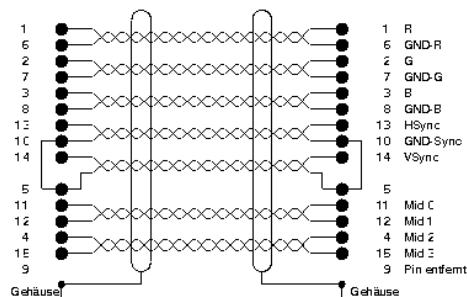
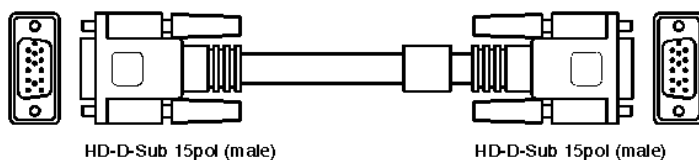
22 DIN 4pol mini - DIN 4pol mini



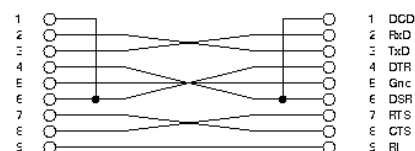
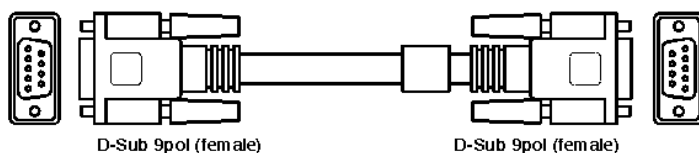
23 Chinch - 3,5



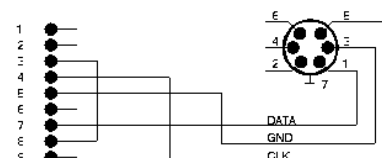
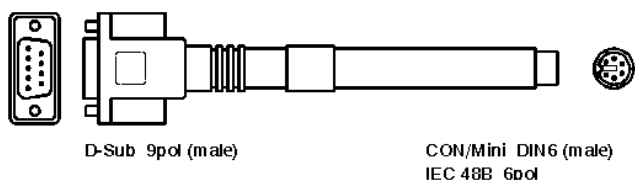
31 Panel - VGA



32 Panel - Maus



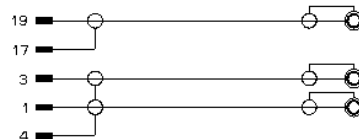
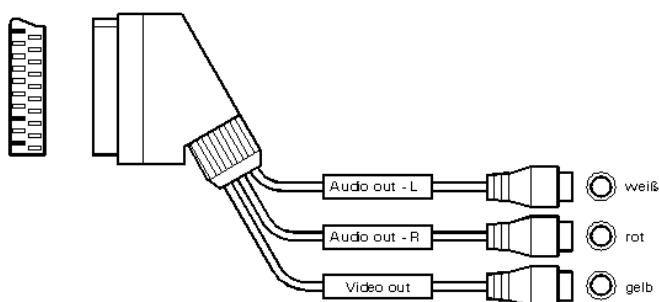
33 Adapter PS/2 Maus



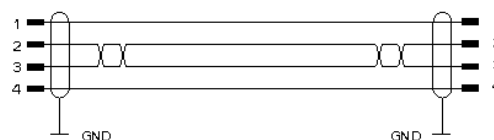
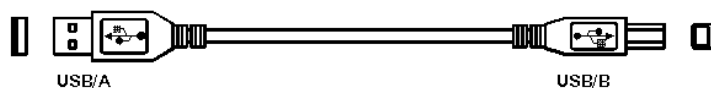
91 Anschlußplan 260

BG 026090C001

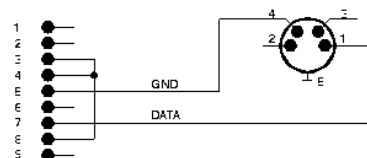
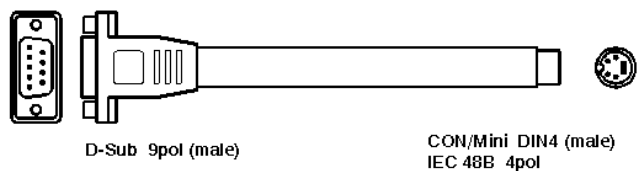
40 Scart - Cinch



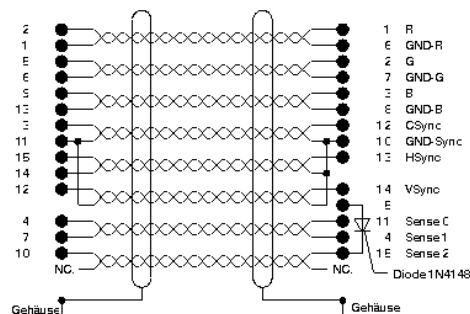
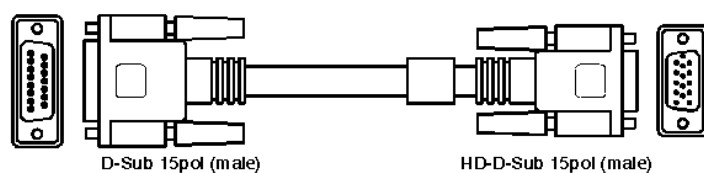
50 USB Mouse Cable



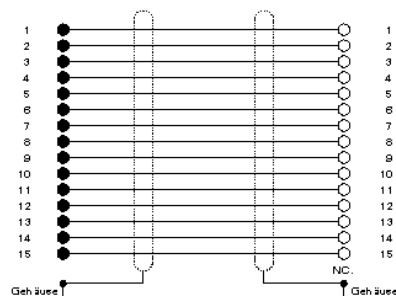
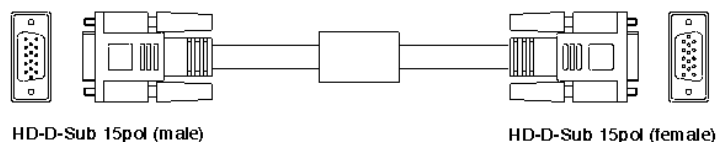
61 Adapter MAC Maus



62 Panel - MAC



72 Projector - Power MAC-Monitor

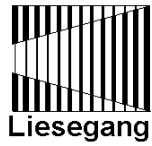




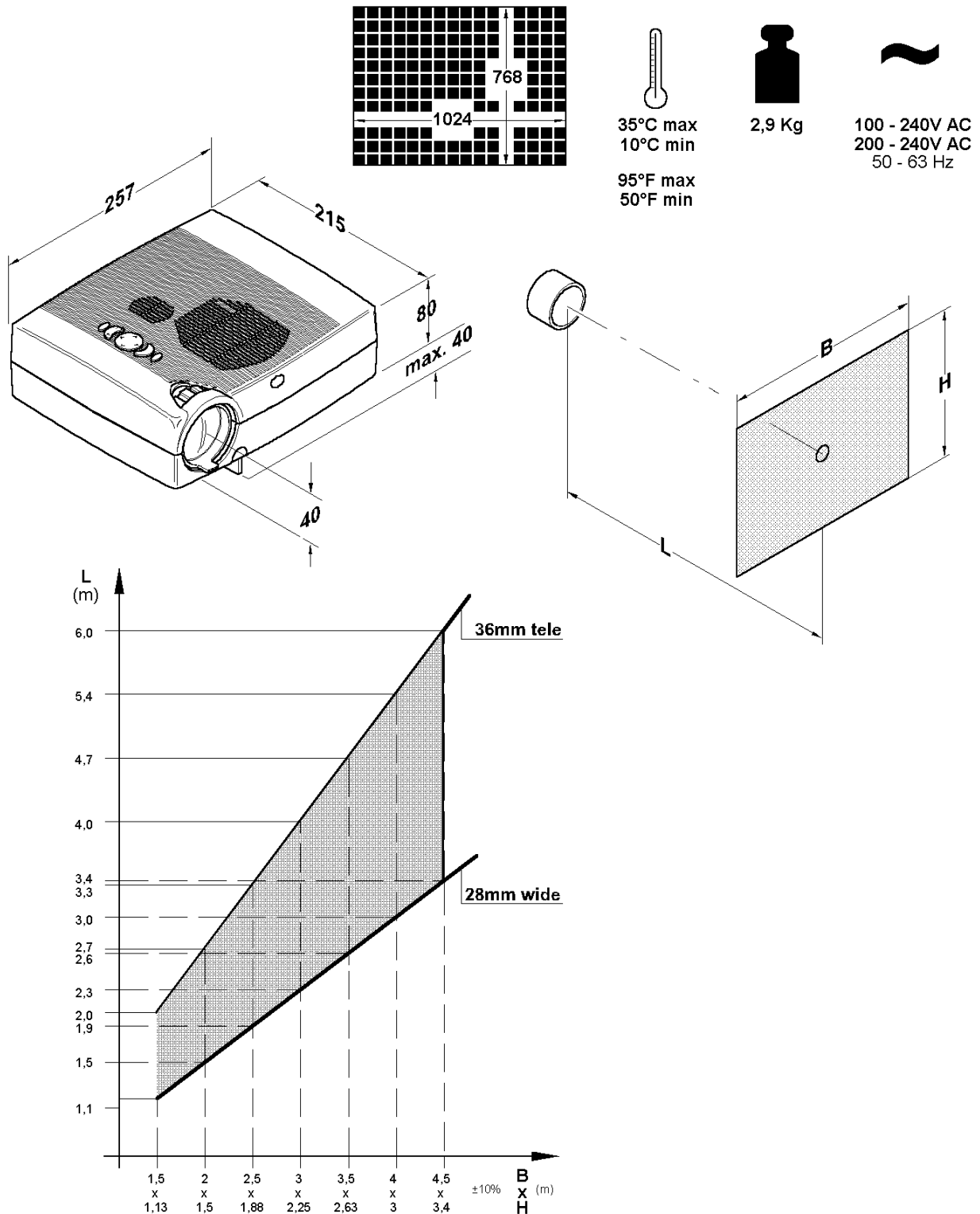
9 Anschlußplan 260

BG 026090C001

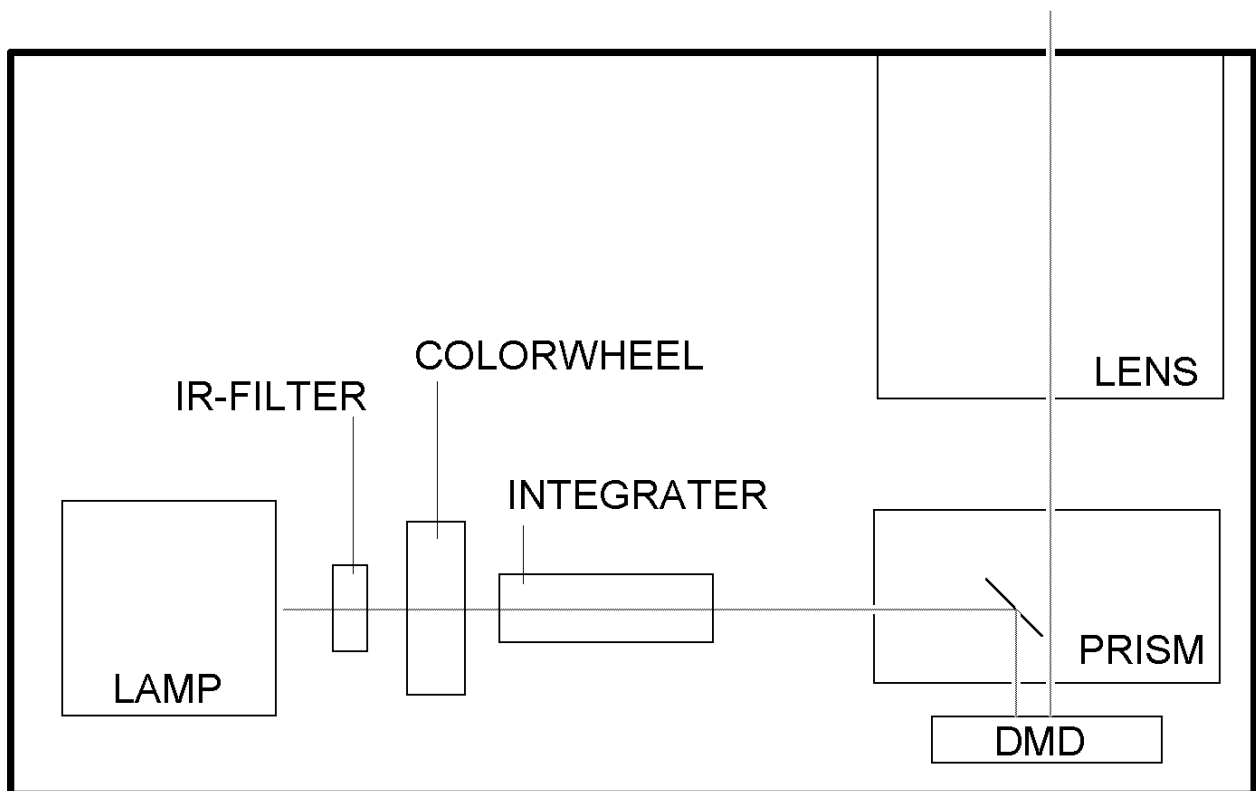
Position Item Neméro Número	Teile-Bezeichnung Description Description Descripción	Teile-Nr. Part-No. No. d'article No. artículo	Serien-Nr. Serial-No. No. de serie No. de Serie
10	Netzkabel 3m sw mit Drossel D	BG 0244100018	10012 -
10	Netzkabel 3m sw mit Drossel GB	BG 0244100028	10012 -
10	Netzkabel 3m sw mit Drossel USA	BG 0244100038	10012 -
20	Anschluß-Set Video	EK 0242840000	10012 -
21	Verb. Kabel Video, 2,5m	EK 0242840000	10012 -
22	Kabel S-VHS , 2,5m	EK 0242840000	10012 -
23	Verbindungskabel Audio 2,5m	EK 0242840000	10012 -
30	Anschluß-Set VGA 3-teilig	EK 0252710010	10012 -
31	Anschlußkabel VGA, 2,5m	EK 0252710010	10012 -
32	Mauskabel 2,5m	EK 0252710010	10012 -
33	Adapter PS/2 Maus	EK 0252710010	10012 -
40	Adapter Scart 3	EK 0842840040	10012 -
50	USB Maus Adapter	ZU 0260700008	10012 -
60	MAC Anschluß-Set mit USB-Kabel	ZU 0260770000	10012 -
61	Adapter MAC Mouse	ZU 0260770000	10012 -
62	Anschlußkabel MAC-Rechner 2,5m	ZU 0260770000	10012 -
70	Monitor-Splitter-Box VS-102- D	ZU 0251750030	10012 -
71	Monitor-Splitter-Box VS-102- D	ZU 0251750030	10012 -
72	Verb.-Kabel 15HDSUBM-15HDSUBW	ZU 0251750030	10012 -
80	IR-Fernbedienung ddv 1111	EK 0260088010	10012 -
90	Alkali-Batt.1,5V, verp.2 Stck.	BG 0234088028	10012 -



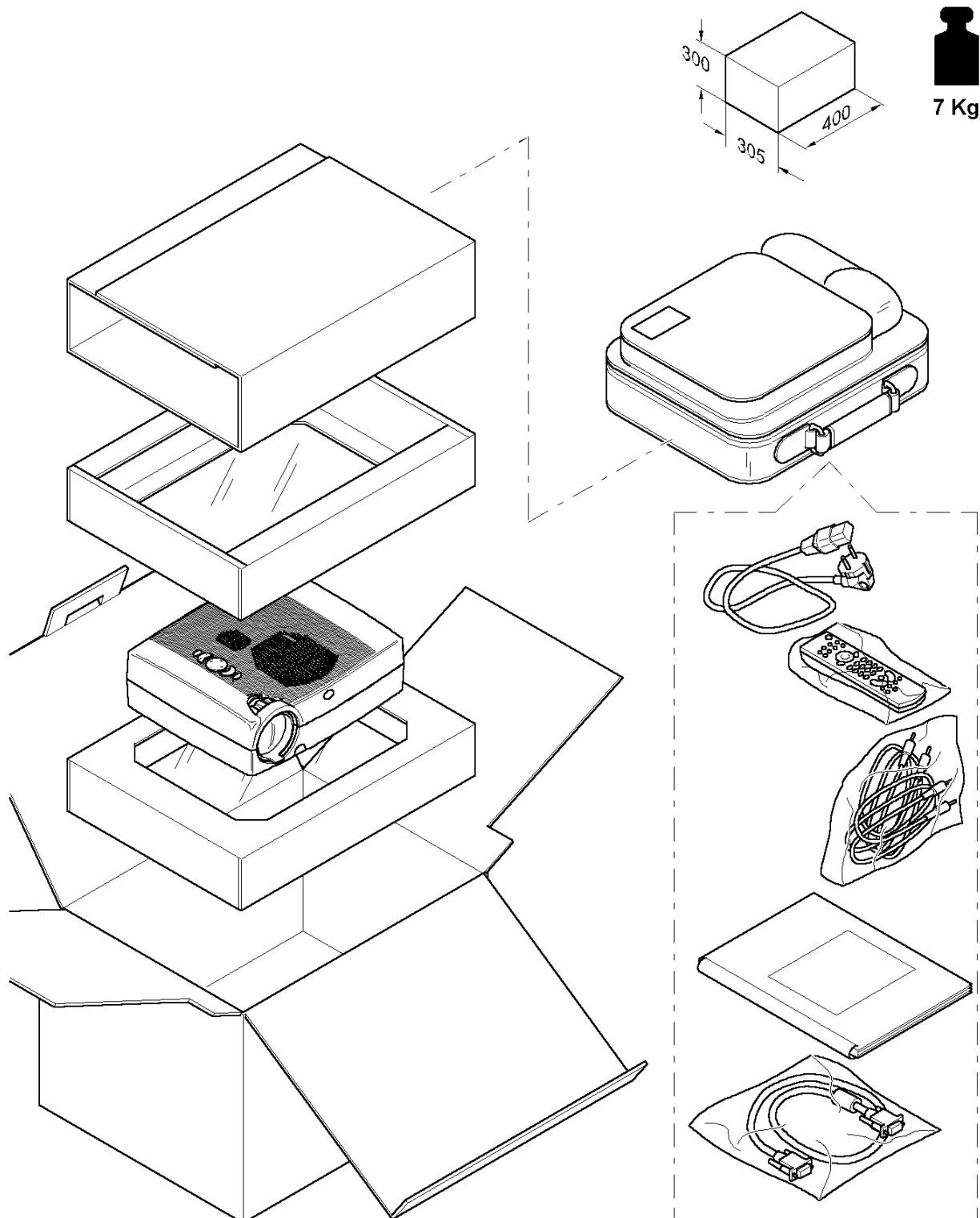
T1 Specifications



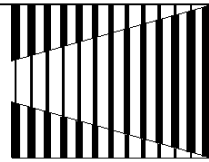
T2 Theory of Operation



V1 Packing Instruction

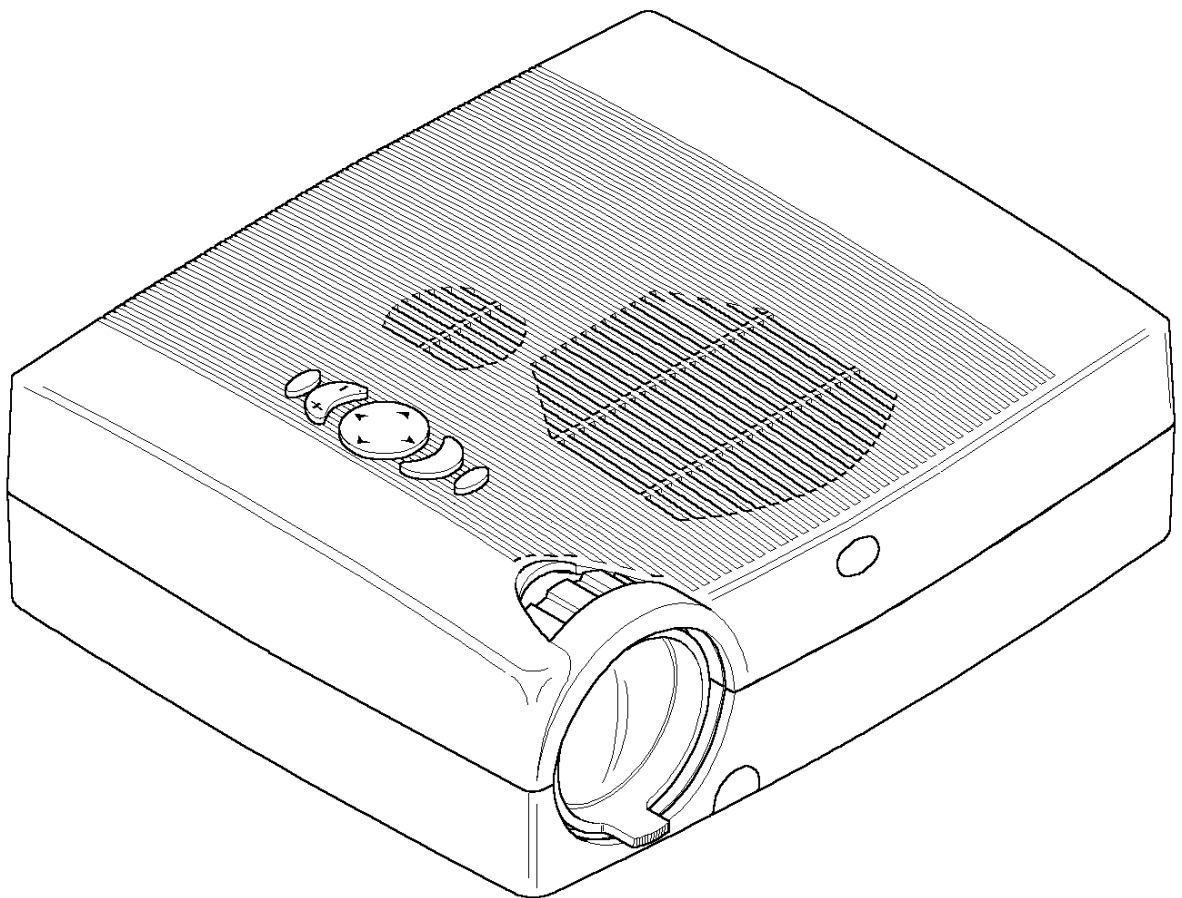


Spezialfabrik für Projektions- und Präsentationstechnik
Ed. Liesegang - Volmerswerther Str. 21 - D 40221 Düsseldorf - Postfach 10 35 53 - D 40026 Düsseldorf
Telefon (0211) 3901-1 - Telefax (0211) 3901 - 227 - Internet <http://www.liesegang.de>



Liesegang

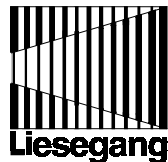
Liesegang ddv1111 260



TECHNICAL INFORMATION

Service Manual

Rev. 1



Equipment

260

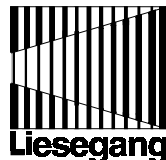
Sheet No.

0

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C3	CONNECTIONBOARD
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CT	TROUBLE SHOOTING LIST
CT1	FAN COOLING SYSTEM
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CT6	LAMP DOESN`T WORK
CT7	NO FUNCTION
CT8	SWITCH OFF IN HOT CONDITION



DEUTSCH

Achtung!

Bei allen Arbeiten am Gerät muß das Netzkabel vom Netz getrennt sein. Nur ein Instandhalter darf Service-Arbeiten durchführen, dabei sind regionale und die entsprechenden nationalen Bestimmungen für die Ausführung von Reparaturen zu beachten.

Teile, die in der Spalte „Stück-Preis“ mit einem * gekennzeichnet sind, finden Sie in unseren normalen Preislisten. Die genannten Preise sind DM-Preise, ohne die jeweils gesetzlich vorgeschriebene Mehrwertsteuer. Gültig ist jeweils die letzte Fassung der Preisliste.

Preis- und technische Änderungen bleiben vorbehalten.

ENGLISH

Note

When any work is being carried out on the device, the mains cable must be disconnected from the mains supply. Only service personnel may carry out service work. For any repair regional and corresponding national regulations are to be followed.

Parts given in the column „Item price“ with an * are to be found in our standard price list. The prices stated are prices in DM, excluding V.A.T.

The latest edition of the price list shall apply.

Subject to price and technical amendment.

FRANÇAIS

Attention!

Lors de tous les travaux effectués sur l'appareil, il faut enlever le cordon d'alimentation de la prise de courant. Les travaux de réparation ne doivent être effectués que par personnel spécialisé. Pour toutes les réparations on doit tenir compte des dispositions légales régionales et nationales.

Vous trouverez les pièces marquées de * dans la colonne „Prix pièce“ dans notre tarif général. Les prix sont exprimés en DM, hors T.V.A.

C'est toujours la dernière version de la liste des prix qui est valable.

Sous réserve de modifications techniques et de prix.

ESPAÑOL

Atención!

En todos los trabajos a realizar en el aparato, tiene que separarse el cable de la red. Los trabajos de servicio sólo debe realizarlos un especialista. Por esa razón, antes de la realización de la reparación, hay que tener en cuenta las prescripciones regionales y correspondientes nacionales.

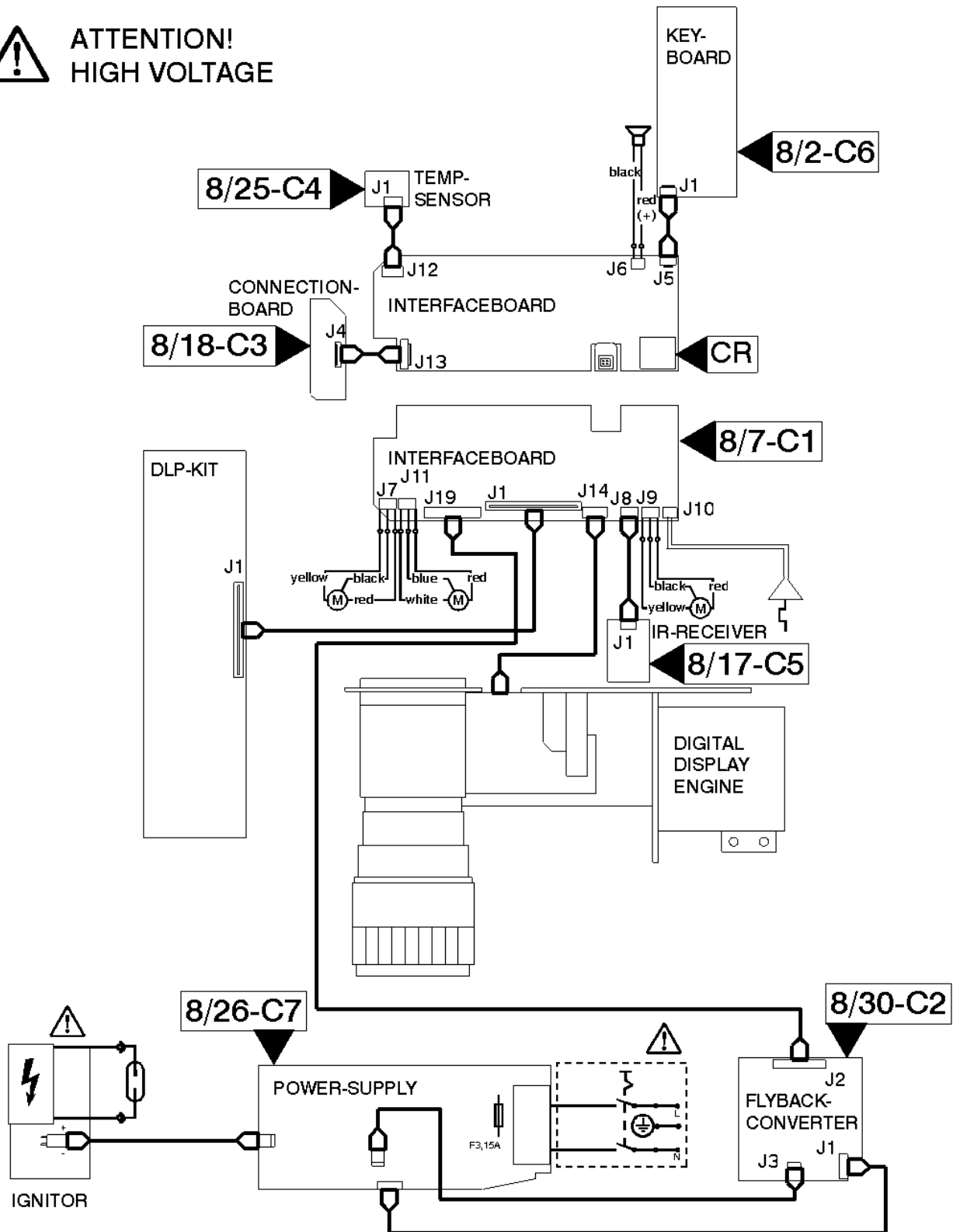
Piezas, que en la columna „Precio por pieza“ están marcadas con *, se encuentran en nuestras listas de precios normales. Los precios indicados son precios en marcos alemanes, sin IVA.

Rige siempre la última versión de la lista de precios.

Reservados todos los derechos a modificaciones técnicas y precios.

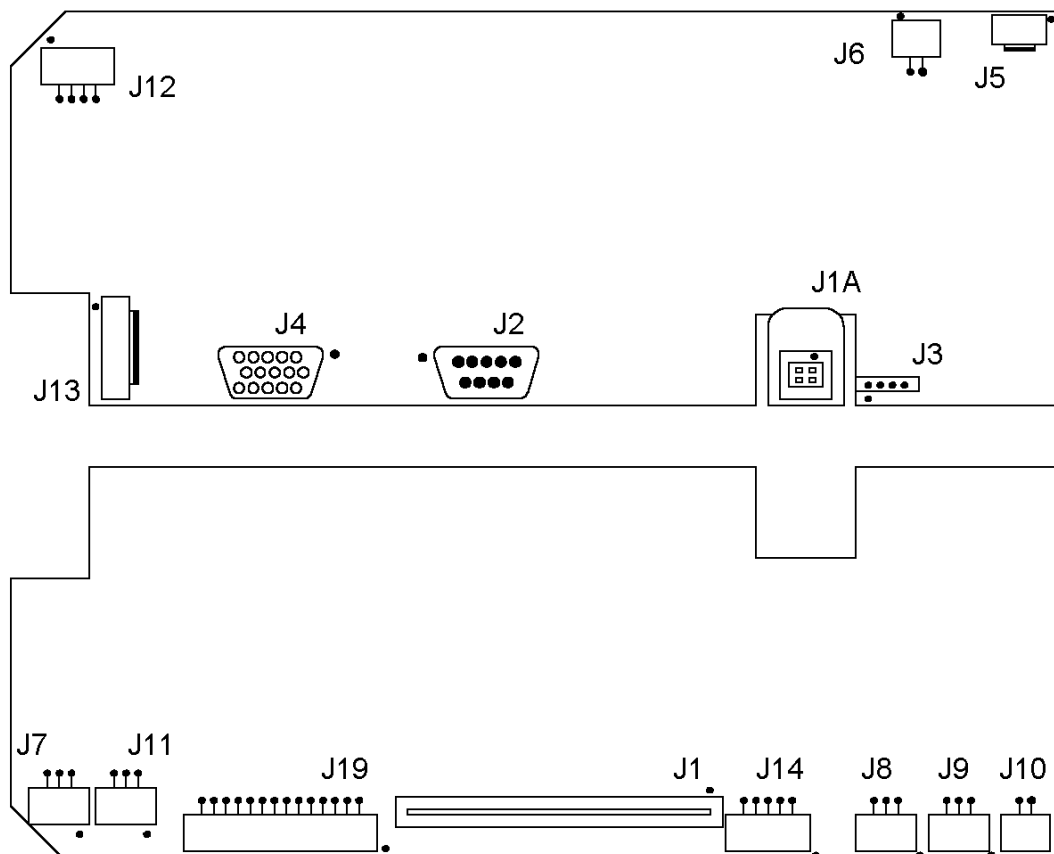
C0 Functional Diagramm

 **ATTENTION!**
HIGH VOLTAGE

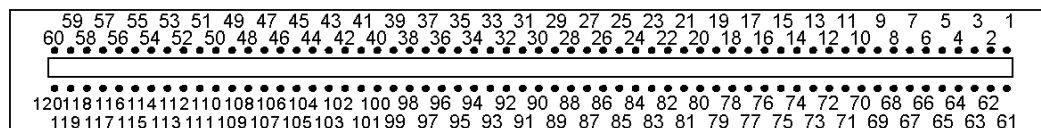


C1a Functional Diagramm

Interfaceboard



J1 TI-PALMTOP

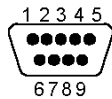


PIN	Belegung	PIN	Belegung	PIN	Belegung	PIN	Belegung	PIN	Belegung	PIN	Belegung	PIN	Belegung	PIN	Belegung
1	-	16	V+3V3	31	RLVS	46	GND	61	V+12G	76	-	91	GND	106	RLR2
2	-	17	GND	32	GND	47	RLR3	62	GND	77	-	92	RLHS	107	GND
3	-	18	V+3V3	33	RDTMG	48	GND	63	V+12G	78	-	93	GND	108	RLR4
4	-	19	-	34	GND	49	RLR5	64	GND	79	-	94	GND	109	GND
5	GND	20	-	35	RLCLK	50	GND	65	V+12G	80	-	95	GND	110	RLR6
6	V+3V3	21	-	36	GND	51	RLR7	66	GND	81	-	96	RLB0	111	GND
7	GND	22	-	37	RLB1	52	GND	67	VCC	82	-	97	GND	112	G0DMD
8	V+3V3	23	-	38	GND	53	RLG0	68	GND	83	GND	98	RLB2	113	GND
9	GND	24	-	39	RLB3	54	GND	69	VCC	84	SDA	99	GND	114	RLG1
10	V+3V3	25	GND	40	GND	55	RLG2	70	GND	85	SCL	100	RLB4	115	GND
11	GND	26	RESETZ	41	RLB5	56	GND	71	VCC	86	GND	101	GND	116	RLG3
12	V+3V3	27	NPGOOD	42	GND	57	RLG4	72	GND	87	-	102	RLB6	117	GND
13	GND	28	GND	43	RLB7	58	GND	73	-	88	LAMPLIT	103	GND	117	RLG5
14	V+3V3	29	-	44	GND	59	RLG6	74	-	89	RLAMPEN	104	RLR0	118	GND
15	GND	30	CWINDEX	45	RLR1	60	GND	75	-	90	RSYNVAL	105	GND	120	RLG7

C1b Functional Diagramm

Interfaceboard

J2 SERIAL



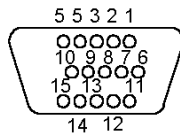
PIN	Belegung	PIN	Belegung
1	DCDIN	6	-
2	RXDI	7	RTSO
3	TXDO	8	CTSI_PD
4	DTROUT	9	RI1
5	GND		

J3 USB-ADAPTER



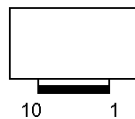
PIN	Belegung
1	PCVCC
2	D+
3	D-
4	GND

J4 DATEN1



PIN	Belegung	PIN	Belegung	PIN	Belegung
1	RIN11	6	GND	11	GND
2	GIN11	7	GND	12	DDC_SCA
3	BIN11	8	GND	13	HRTC
4	5	9	DDC_VCC	14	VRTC
5	4	10	GND	15	DDC_SCL

J5 TASTATUR



PIN	Belegung	PIN	Belegung
1	LED_GRUEN	6	TAST1
2	LED_ROT	7	TAST0
3	TASPW	8	SCAN2
4	VCC	9	SCAN1
5	TAST2	10	SCAN0

J6 LAUTSPRECHER



PIN	Belegung
1	OUT+
2	OUT-

J7 FAN_2



PIN	Belegung
1	+3V - +5V
2	-5V
3	FANGOOD

J8 FB



PIN	Belegung
1	FB_INT
2	VCC
3	GND

J9 FAN_3



PIN	Belegung
1	VCC
2	GND
3	FANGOOD

J10 TEMP_SW



PIN	Belegung
1	VCC
2	HITEMP

C1c Functional Diagramm

Interfaceboard

J11 FAN_1



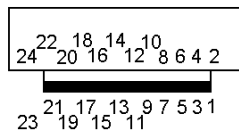
PIN	Belegung
1	+3V - +5V
2	-5V
3	FANGOOD

J12 TEMPERATURSENSOR



PIN	Belegung
1	VCC
2	SDA
3	SCL
4	GND

J13 424D_CON



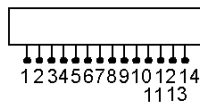
PIN	Belegung	PIN	Belegung	PIN	Belegung	PIN	Belegung
1	AUDCAM R	7	GND	13	GND	19	GND
2	V+12G	8	CAD BAS	14	AUDCAM L	20	VIDEO
3	GND	9	GND	15	GND	21	GND
4	AUDIO L	10	CAM CHR	16	CAM SDA	22	BASV
5	GND	11	GND	17	GND	23	GND
6	GND	12	AUDIO R	18	CAM SCL	24	CHR

J14 COLORWHEEL



PIN	Belegung
1	GND
2	-
3	CWINDEX
4	-
5	1,5V

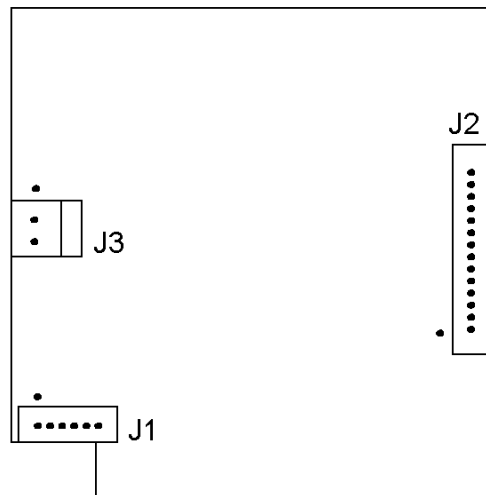
J19 POWER



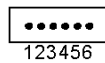
PIN	Belegung	PIN	Belegung	PIN	Belegung
1	V-5	7	V+2V5	13	-
2	LAMPLIT0	8	V+3V3	14	PFAIL
3	PFCON	9	V+3V3		
4	LAMPEN	10	VCC		
5	GND	11	V+12G		
6	GND	12	-		

C2 Functional Diagramm

Flyback-Converter

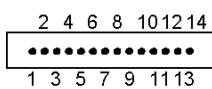


J1 CONTROL



PIN	Belegung	PIN	Belegung
1	LAMPON	4	GND
2	GND	5	LAMPLIT
3	+5V	6	3A +3V3

J2 OUT



PIN	Belegung	PIN	Belegung	PIN	Belegung
1	V-5	7	V+2V5	13	-
2	LAMPLIT0	8	V+3V3	14	PFAIL
3	PFCON	9	V+3V3		
4	LAMPEN	10	VCC		
5	GND	11	V+12G		
6	GND	12	-		

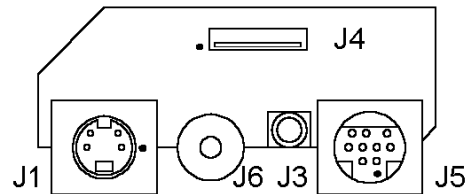
J3 IN



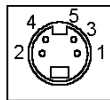
PIN	Belegung
1	390V
2	0

C3 Functional Diagramm

Connectionboard

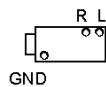


J1 S_VIDEO



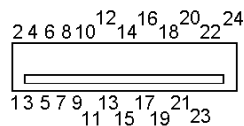
PIN	Belegung	PIN	Belegung
1	GND	4	CHR
2	GND	5	GND
3	BAS		

J3 AUDIO



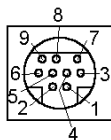
PIN	Belegung
1	GND
2	D_AUDIO_R
3	D_AUDIO_L

J4 424D_CON



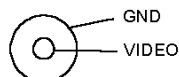
PIN	Belegung	PIN	Belegung	PIN	Belegung	PIN	Belegung
1	CHR	7	SCL	13	AUDIO_R	19	GND
2	GND	8	GND	14	GND	20	GND
3	BAS	9	SDA	15	CAM_CHR	21	AUDIO_L
4	GND	10	GND	16	GND	22	GND
5	VIDEO	11	AUD_L3	17	CAM_BAS	23	VCAM_12
6	GND	12	GND	18	GND	24	AUD_R3

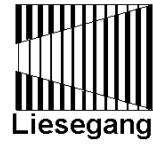
J5 CAMERA



PIN	Belegung	PIN	Belegung	PIN	Belegung
1	SCL	4	VCAM_12	7	AUD_R3
2	SDA	5	GND	8	CAM_CHR
3	GND	6	AUD_L3	9	CAM_BAS

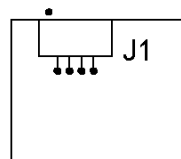
J6 VIDEO





C4 Functional Diagramm

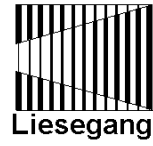
Temp-Sensor



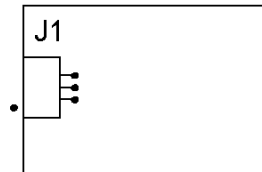
J1 PCB_CON



PIN	Belegung
1	VCC
2	SDA
3	SCL
4	GND



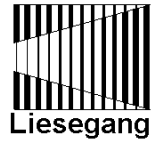
C5 Functional Diagramm IR-Receiver



J1 244

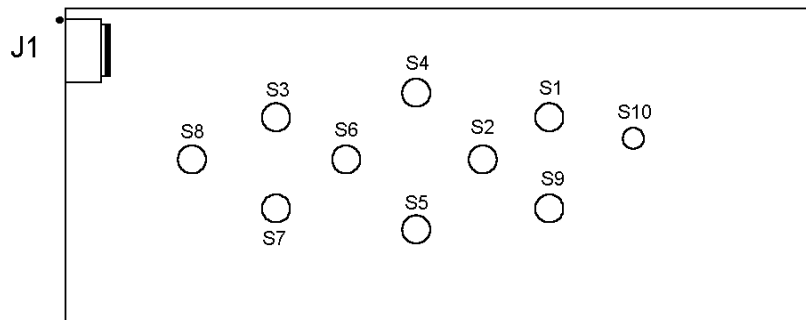


PIN	Belegung
1	IROUT
2	IRVCC
3	GND

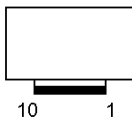


C6 Functional Diagramm

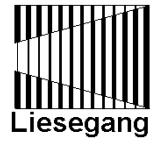
Keyboard



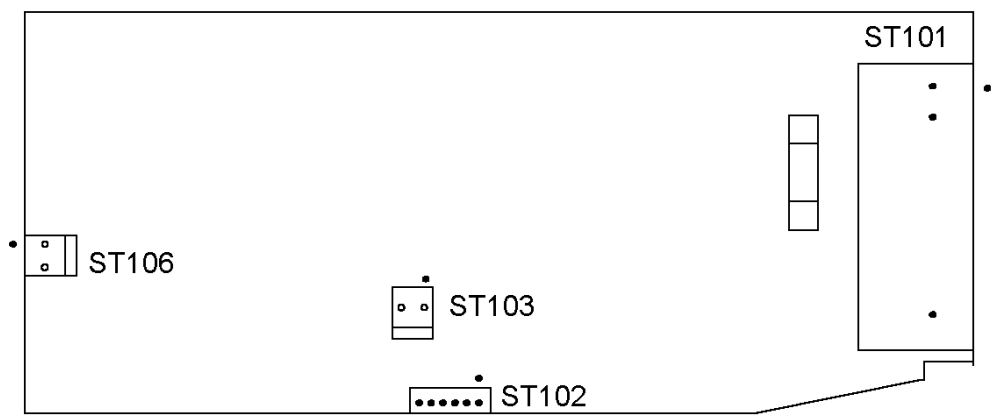
J1 424RXX



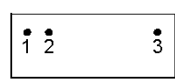
PIN	Belegung	PIN	Belegung
1	SCAN0	6	TAST2
2	SCAN1	7	VCC
3	SCAN2	8	TASPW
4	TAST0	9	LED_ROT
5	TAST1	10	LED_GRUEN



C7 Functional Diagramm Lamp Ballast

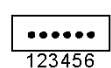


ST101 MAINS IN



PIN	Belegung
1	L1
2	N
3	GND

ST102 CONTROL



PIN	Belegung	PIN	Belegung
1	LAMPON	4	GND
2	GND	5	LAMPLIT
3	+5V	6	3A +3V3

ST103 390 Volt OUT



PIN	Belegung
1	390V
2	0

ST106 LAMP OUT



PIN	Belegung
1	-
2	+



CE Engineering Change Status Record

No	Content of alteration	Date	Serial-No
1	Start, PORM 260-7.36-424-1.20-B	00-03-27	10012 -
2	PORM 260-7.38-424-1.20-B = better sycronisation	00-03-30	10031 -

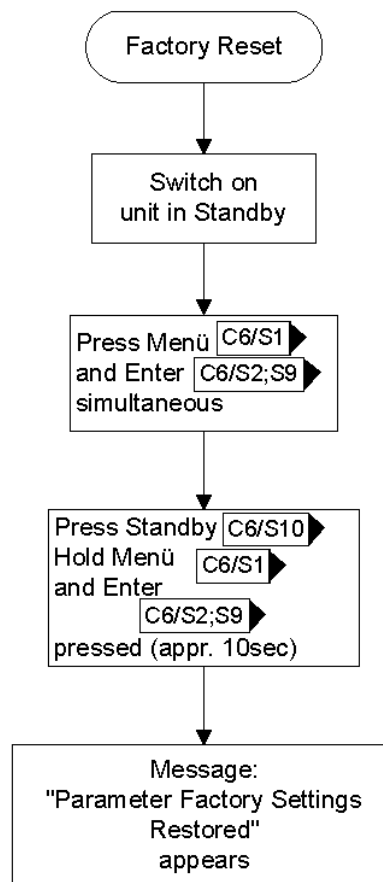


CRa Firmware Revision List

FIRMWARE-NO		PART NUMBER	SERIAL NUMBER
PROM	260-7.36-424-1.20-B	BG 0260099910	10012 - 10030
PROM	260-7.38-424-1.20-B	BG 0260099910	10012 -

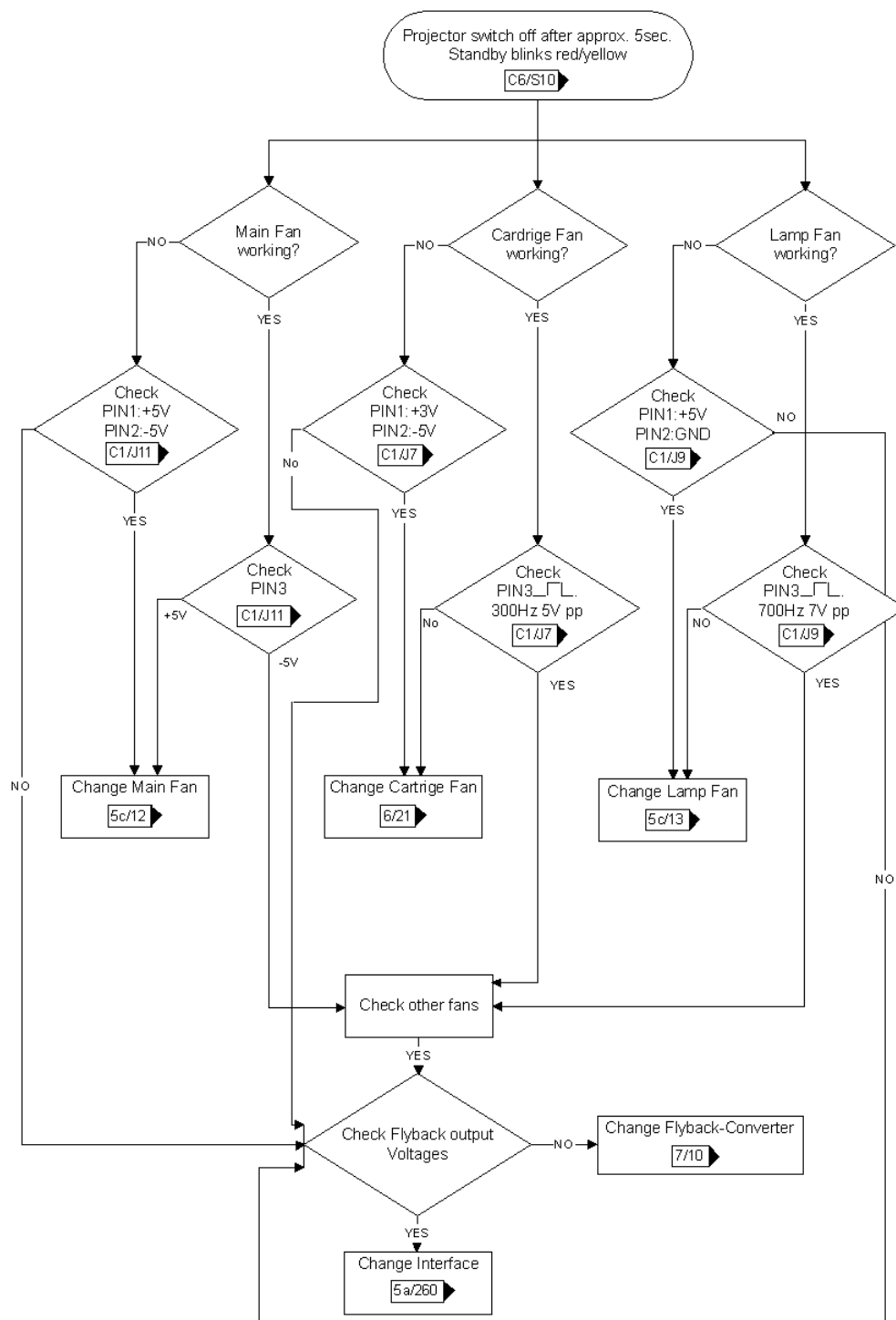


CRb Firmware Revision List Firmware Update



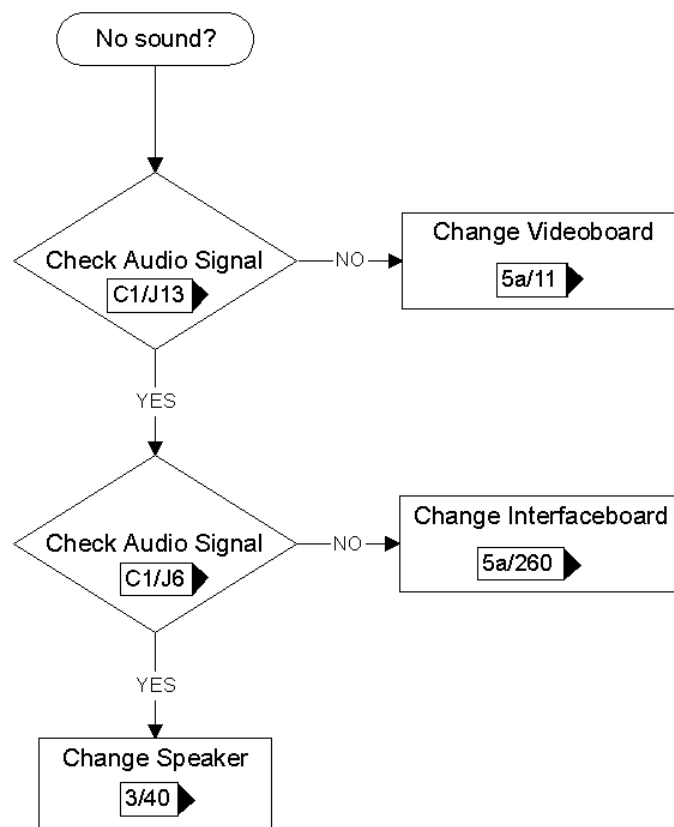
CT1 Trouble Shooting List

Fan Cooling System



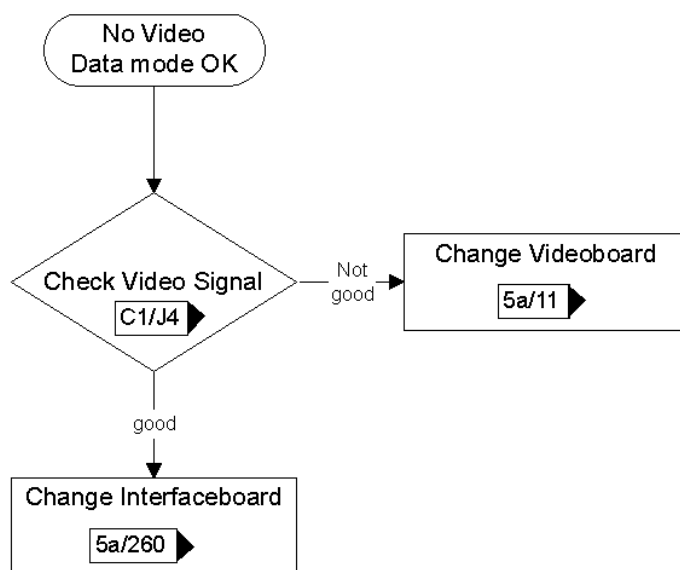
CT2 Trouble Shooting List

Sound Check



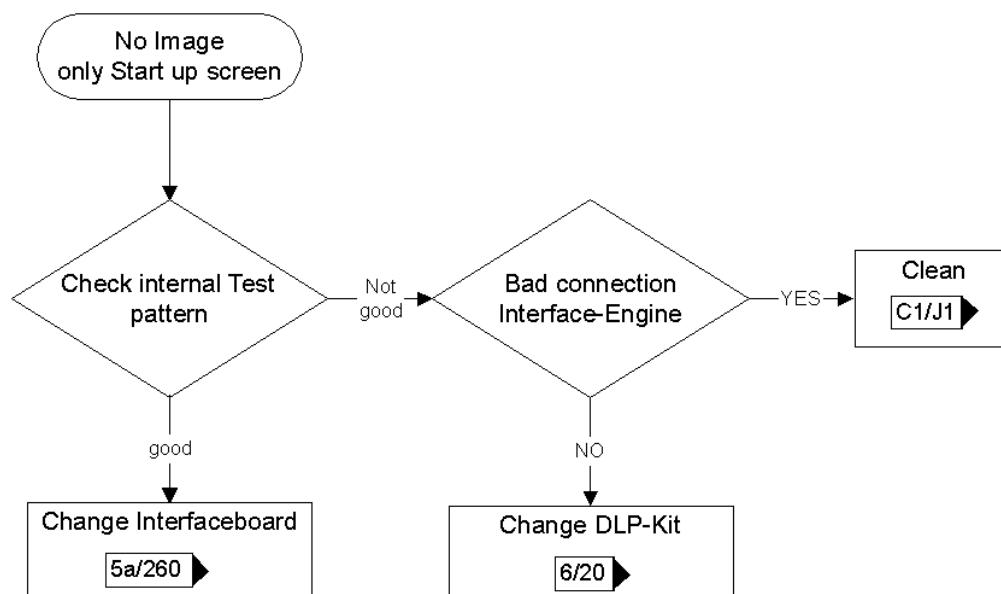
CT3 Trouble Shooting List

Video Check



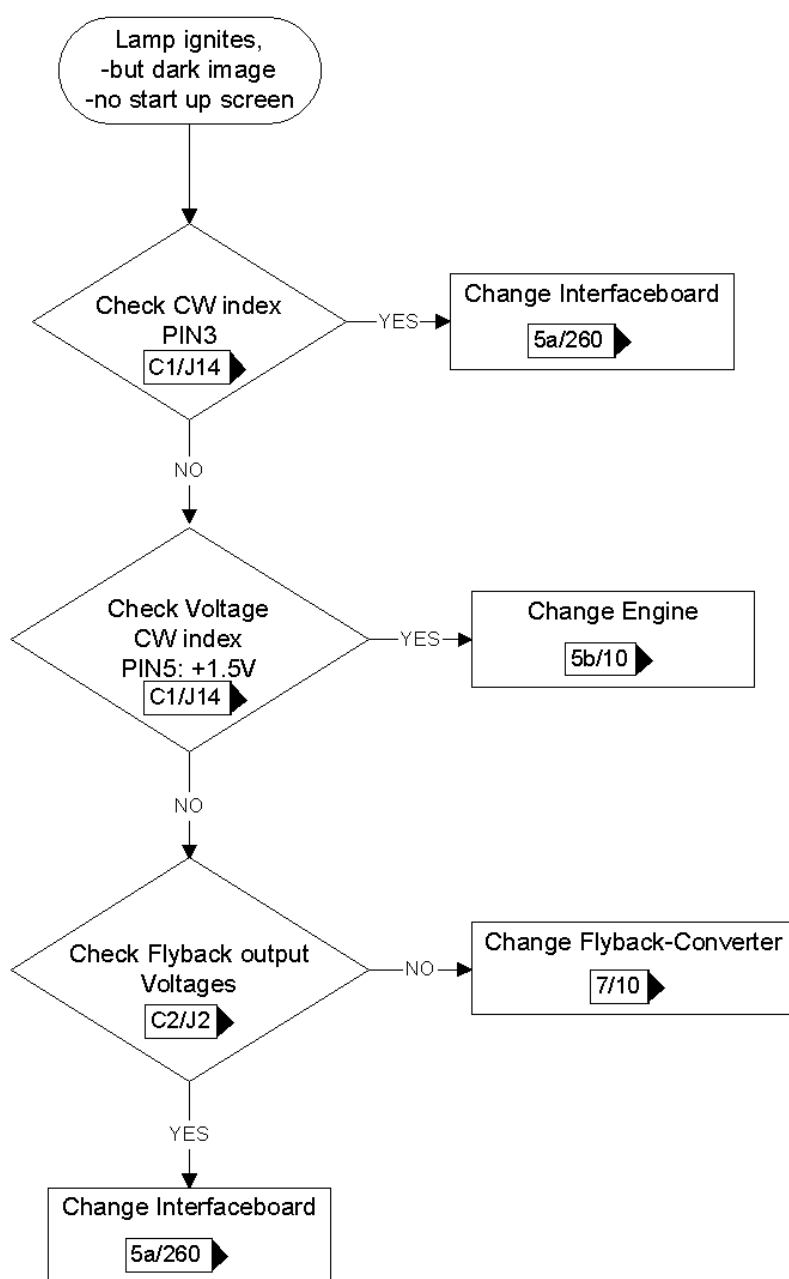
CT4 Trouble Shooting List

No Image, Start Up Screen OK



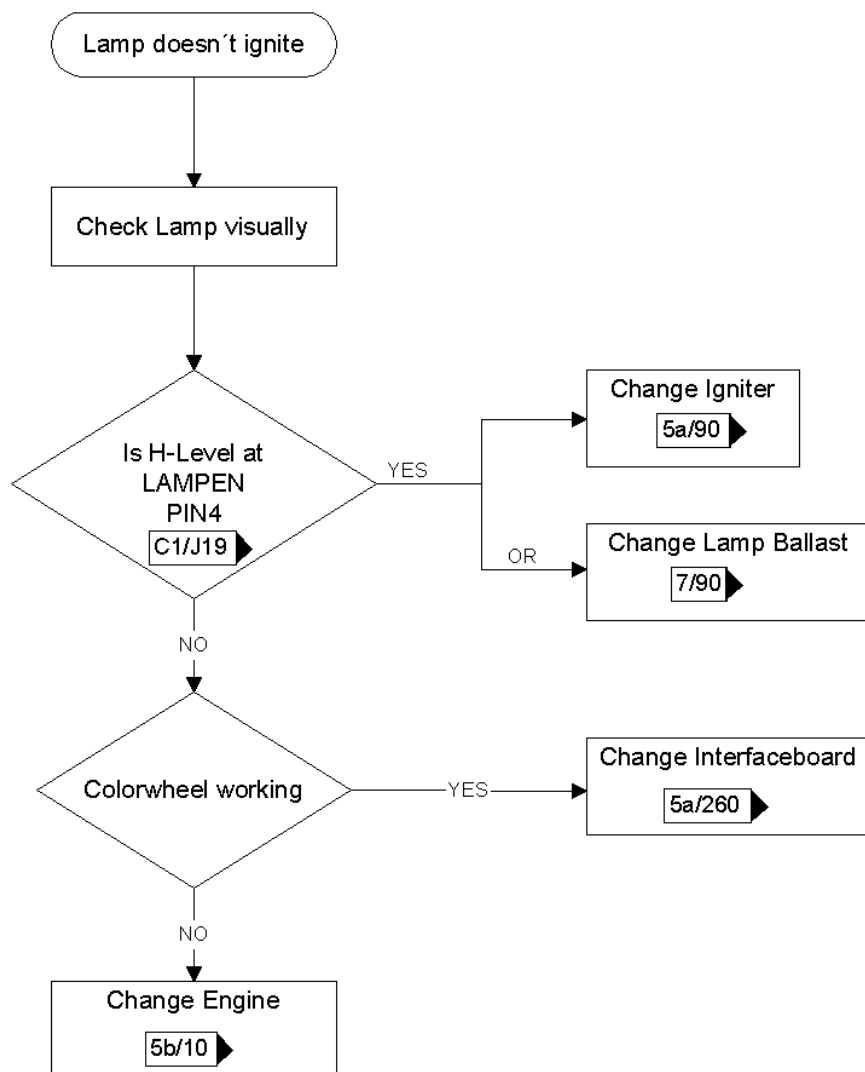
CT5 Trouble Shooting List

No Image, No Start Up Sreen



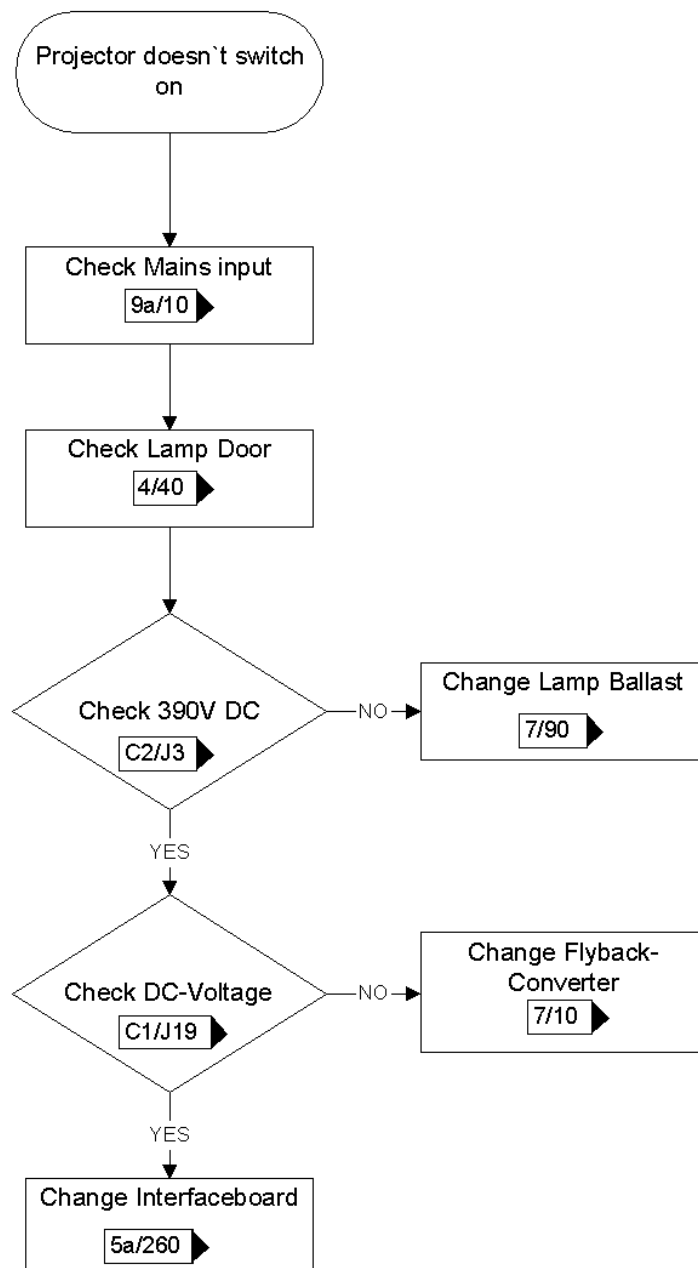
CT6 Trouble Shooting List

Lamp Doesn't Work



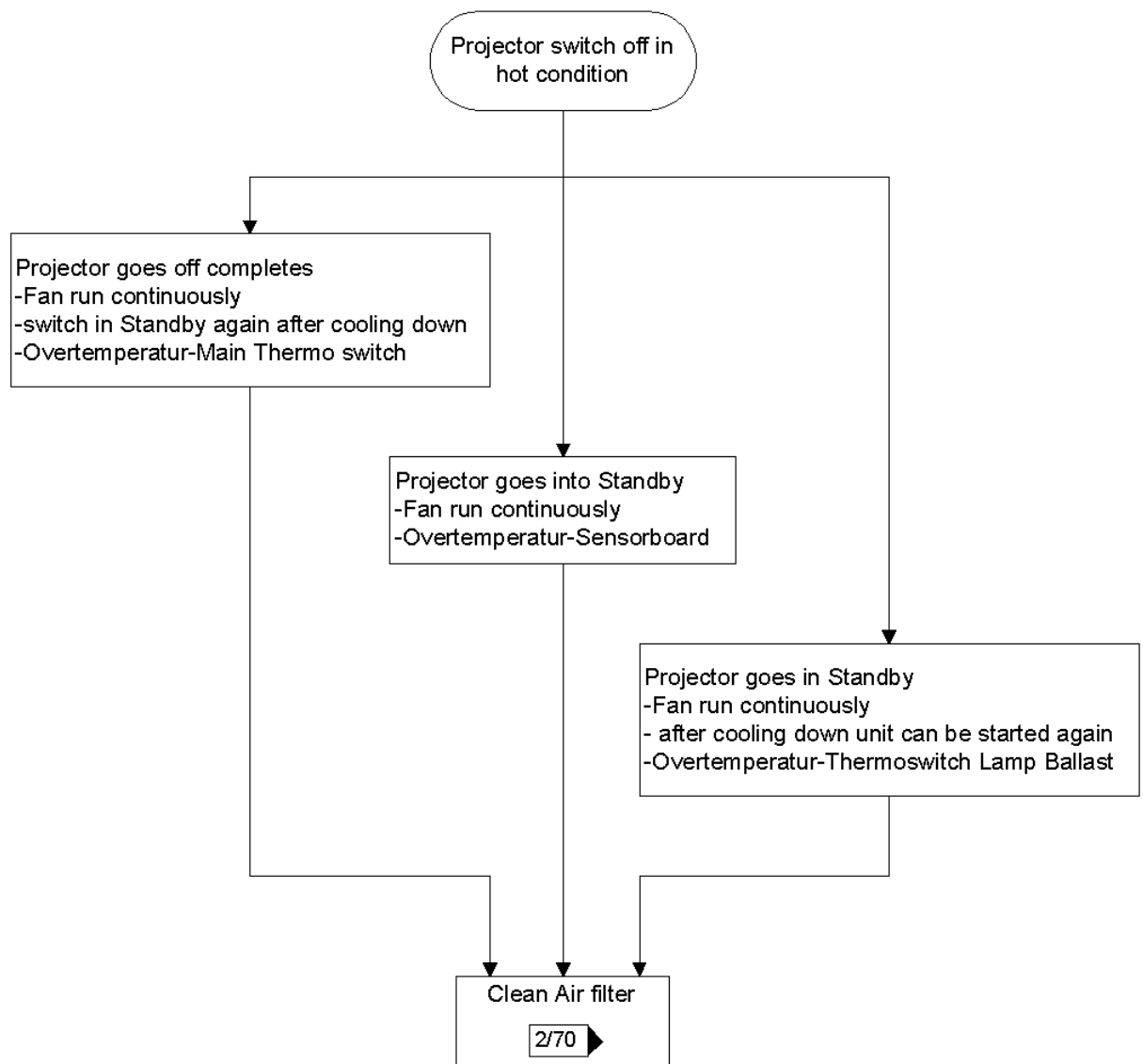
CT7 Trouble Shooting List

No Function



CT8 Trouble Shooting List

Switch Offlin Hot Condition



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