

AC Civis

Gen. 1

Spare Parts Manual
Catalogue Pièces de Rechange
Pezzi di Ricambio Manuli

36,25,15,092

Rev. 12.2007



**SÜTRAK**

AC Civis Gen. 1

Bestellung von Ersatzteilen

Procedure of ordering Spare parts

Procédure de commande pièce de rechange

Einleitung

Im vorliegenden Ersatzteilkatalog sind sämtliche von Carrier Sütrak erhältlichen Ersatzteile für die entsprechende Klimaanlage zusammengefasst.

Mengenangaben beziehen sich, falls vorhanden, auf die Stückzahl pro Anlage.

Hinweise des Herstellers

Bei Reparaturarbeiten nur die Carrier Sütrak Originalersatzteile verwenden. Falls Nicht-Originalteile, die von Carrier Sütrak weder geprüft noch zugelassen sind, benutzt werden, so können hierdurch die Sicherheit und der ungestörte Betrieb ernsthaft in Frage gestellt werden. Die Ausstattung kann in diesem Fall ihre Garantie verlieren oder nicht mehr mit den Zulassungsnormen der zulässigen Stellen konform sein. Die vorliegende Anleitung gilt für die Standardmodelle. Sollten bestimmte Teile nicht in der Liste enthalten sein, wenden Sie sich bitte an die unten stehende Adresse.

Introduction

This spare parts manual contains all the spare parts used by Carrier Sütrak in this unit. The column quantity shows how many times you will find each piece in one unit.

Manufacturer information

In the event of repair, only use original Carrier Sütrak parts. The use of "non original" parts which have not been tested and approved by Carrier Sütrak can lead to serious risk for the safety and correct operation of the unit; in certain cases the equipment may no longer be covered by the warranty or comply with the approval standards of the requisite authorities.

This manual shows standard models. For any options that do not figure in the manual, please contact us.

Introduction

Ce catalogue contient toutes les informations concernant les pièces de rechange Carrier Sütrak disponibles pour ce type de climatiseur. La colonne quantité indique le nombre de pièces d'un certain type se trouvant dans le climatiseur.

Informations constructeur

En cas de réparation, utiliser uniquement des pièces d'origine Carrier Sütrak. L'utilisation de pièces non testées et approuvées par Carrier Sütrak peut conduire à de sérieux problèmes de sécurité et de fonctionnement du groupe d'air conditionné. Dans certains cas l'équipement peut perdre sa garantie ou son approbation auprès des services autorisés.

Ce manuel est valable pour les modèles standards. Si la pièce recherchée ne figure pas dans le manuel, veuillez nous contacter à l'adresse suivante.

Carrier Sütrak

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...oder wenden Sie sich an Ihren nächsten Carrier Sütrak Händler.

... or contact your local Carrier Sütrak distributor.

... ou contacter votre distributeur local Carrier Sütrak.

Um eine schnelle und richtige Lieferung von Ersatzteilen zu gewährleisten, benötigen wir folgende Informationen:

You require a prompt and correct supply. In order to comply with this demand, we need to have the following information:

Pour garantir une livraison rapide et correcte, nous avons besoin des informations suivantes:

1. Ihre genaue Anschrift.

1. Your exact address.

1. Votre adresse exacte.

2. Gewünschte Versandart: z.B. Post, Luftfracht, Express, usw.

2. Requested kind of dispatch. For example, surface mail, air mail, air freight, etc.

2. Le mode d'expédition souhaité. Par exemple, par poste, express, poste aérienne, etc.

3. Genaue Bezeichnung der Anlage mit Baujahr. (Seriennummer)

3. Exact type of unit and year of construction. (serial number)

3. Des indications précises concernant l'unité de climatisation. (numéro de série)

4. Stückzahl und Ersatzteilnummer der gewünschten Teile.

4. Quantity and code number of the required spare parts.

4. Le numéro de référence et la quantité de pièces.

AC Civis Gen.1

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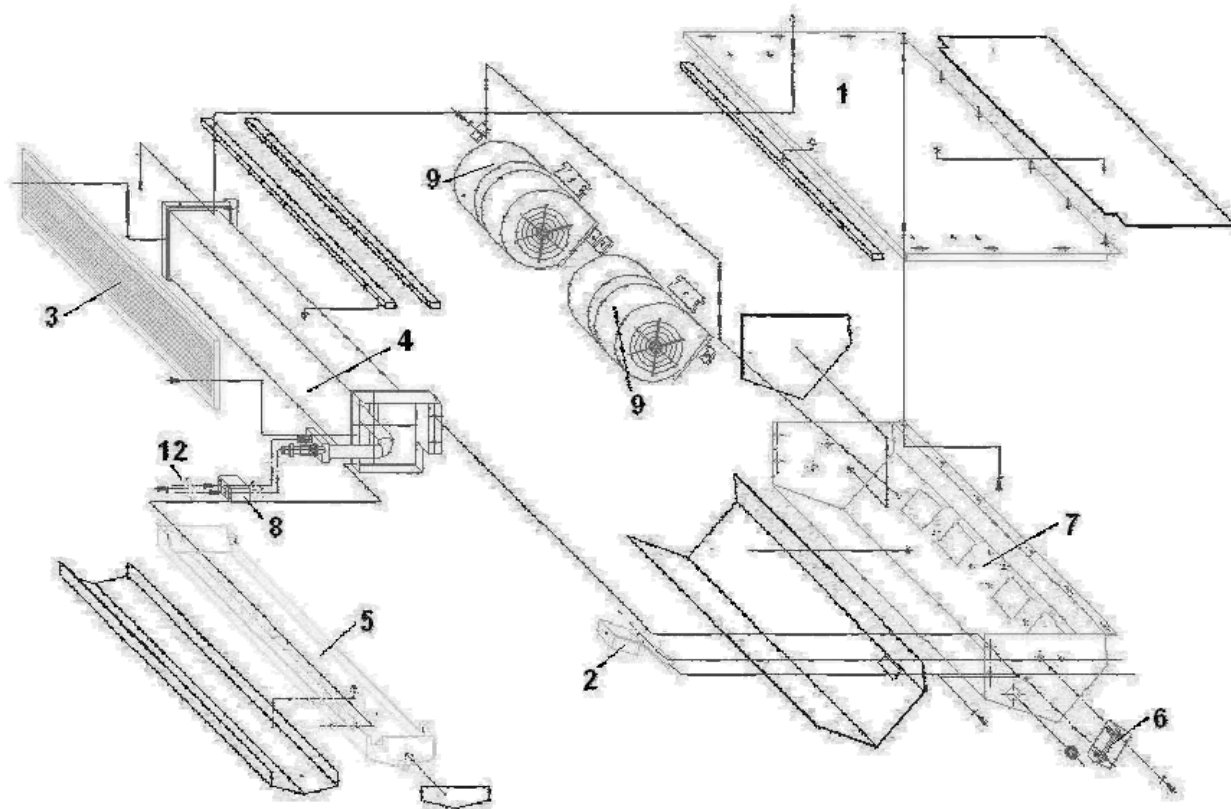
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Long Evaporator

Évaporateur Longe

Evaporatore Lungo



Pos.	Description	Description	Indicazione	Ordering No. No.Référence Numero del pezzo
1	Main evaporator bracket	Support principal évaporateur	Supporto evaporatore principale	15,30,95,013
2	Speed controller	Regulateur de vitesse	Regolatore di velocità	26,09,10,005
3	Air filter	Filtre	Filtro aria	21,08,95,026
4	Evaporator coil	Évaporateur	Batteria evaporatore	24,03,95,051
5	Drain pan	Bac a condensate	Vaschetta	10,85,95,002
6	Main aluminium bracket	Support principal alu	Supporto principale in alu.	15,30,95,014
7	Aluminium blower box	Platine ventilateur alu.	Scatola alu per ventilatori	15,30,95,017
8	Expansion valve	Detendeur	Valvola espansione	24,04,95,021
9	Evaporator blower	Ventilateur evap.	Ventilatore per evaporatore	28,20,95,026
10*	O-ring 3/4" UNF	Joint o-ring 3/4" UNF	O-ring 3/4" UNF	32,23,05,003
11*	O-ring 7/8" UNF	Joint o-ring 7/8" UNF	O-ring 7/8" UNF	32,23,05,004
12	Expansion valve flange	Bride pour detendeur	Flangia per valvola espansione	22,25,95,010

* without illustration

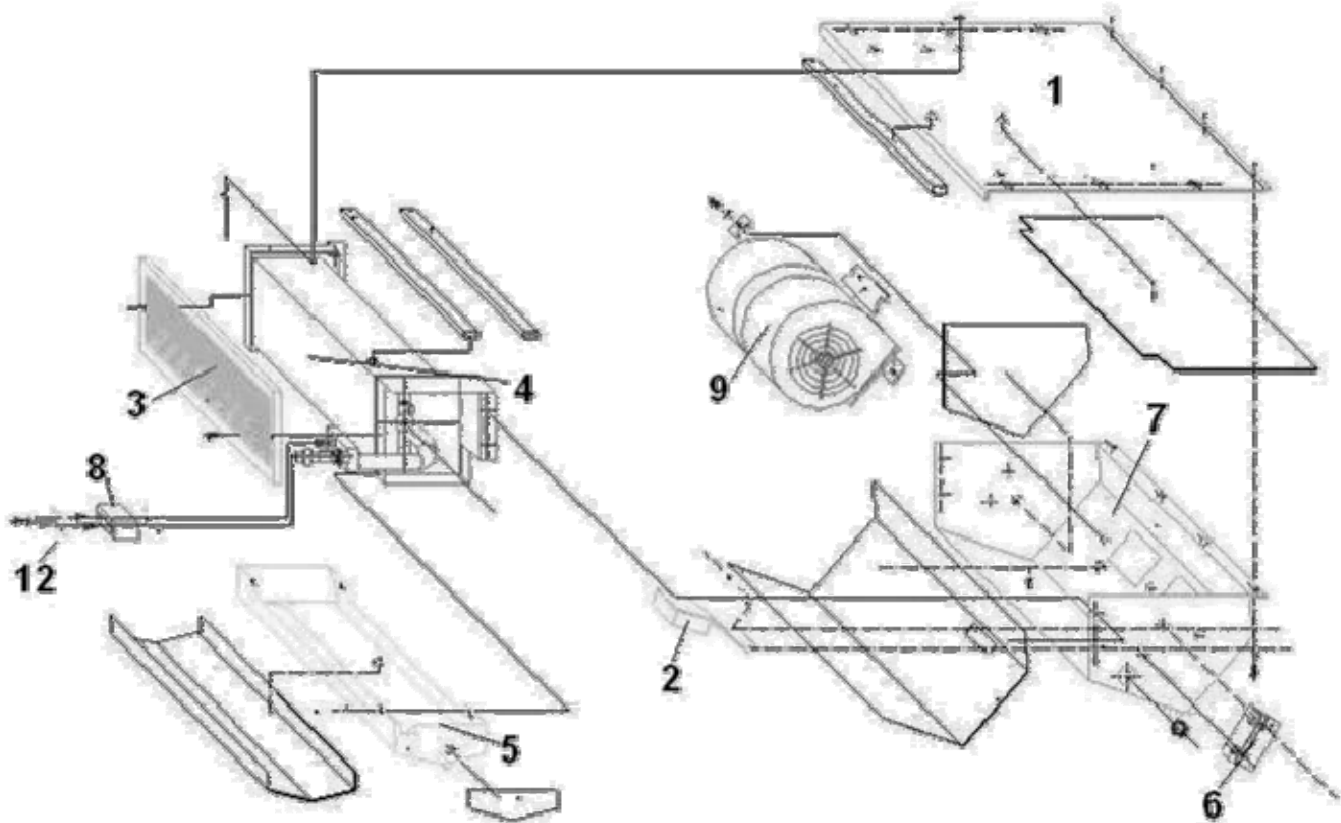
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Short Evaporator

Évaporateur Court

Evaporatore Corto



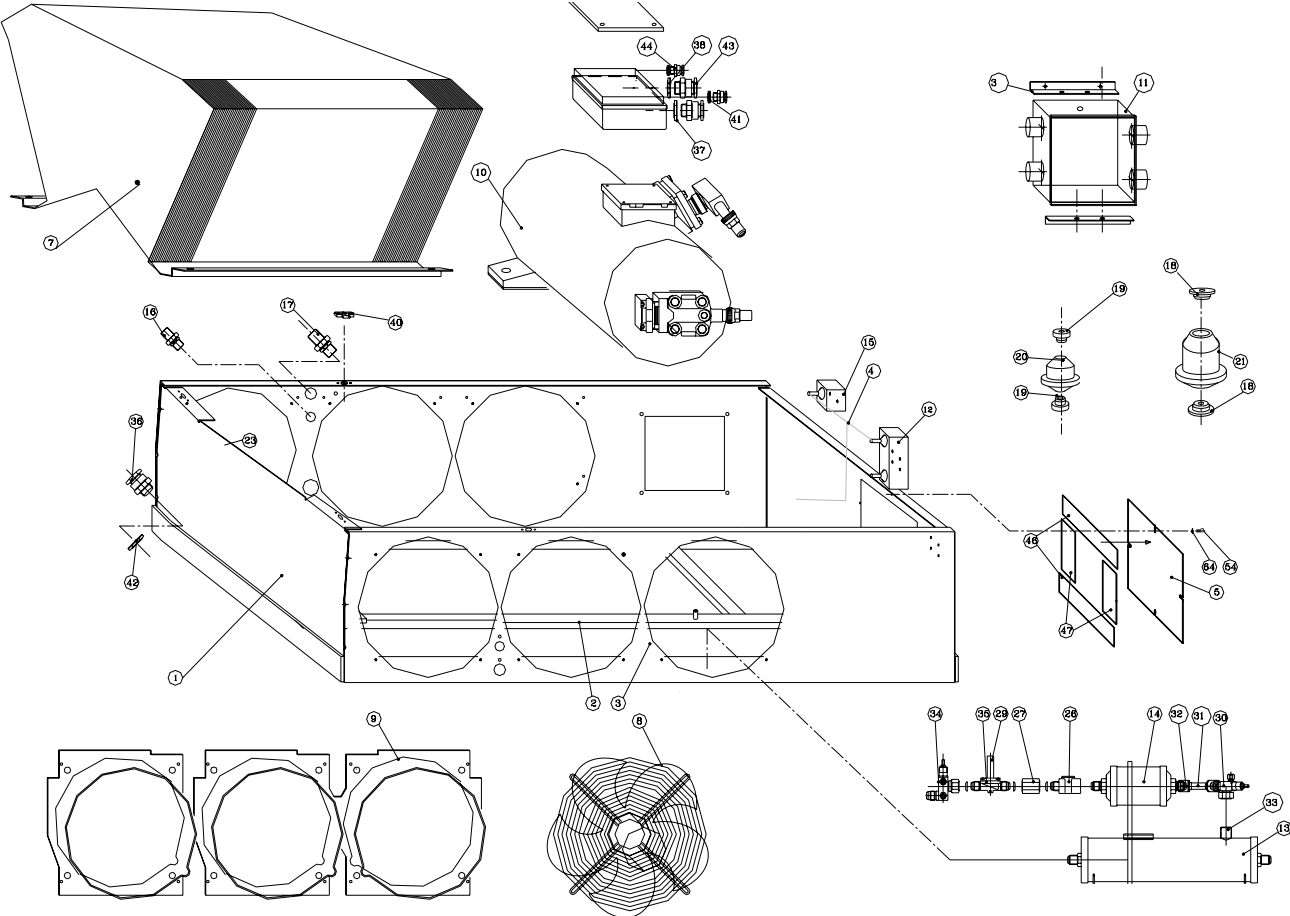
Pos.	Description	Description	Indicazione	Ordering No. No. Référence Numero del pezzo
1	Main evaporator bracket	Support principal évaporateur	Supporto evaporatore principale	15,30,95,012
2	Speed controller	Regulateur de vitesse	Regolatore di velocità	26,09,10,005
3	Air filter	Filtre	Filtro aria	21,08,95,027
4	Evaporator coil	Évaporateur	Batteria evaporatore	24,03,95,052
5	Drain pan	Bac a condensate	Vaschetta	10,85,95,003
6	Main aluminium bracket	Support principal alu	Supporto principale in alu.	15,30,95,014
7	Aluminium blower box	Platine ventilateur alu.	Scatola alu per ventilatori	15,30,95,016
8	Expansion valve	Detendeur	Valvola espansione	24,04,95,022
9	Evaporator blower	Ventilateur evap.	Ventilatore per evaporatore	28,20,95,026
10*	O-ring 3/4" UNF	Joint o-ring 3/4" UNF	O-ring 3/4" UNF	32,23,05,003
11*	O-ring 7/8" UNF	Joint o-ring 7/8" UNF	O-ring 7/8" UNF	32,23,05,004
12	Expansion valve flange	Bride pour detendeur	Flangia per valvola espansione	22,25,95,010

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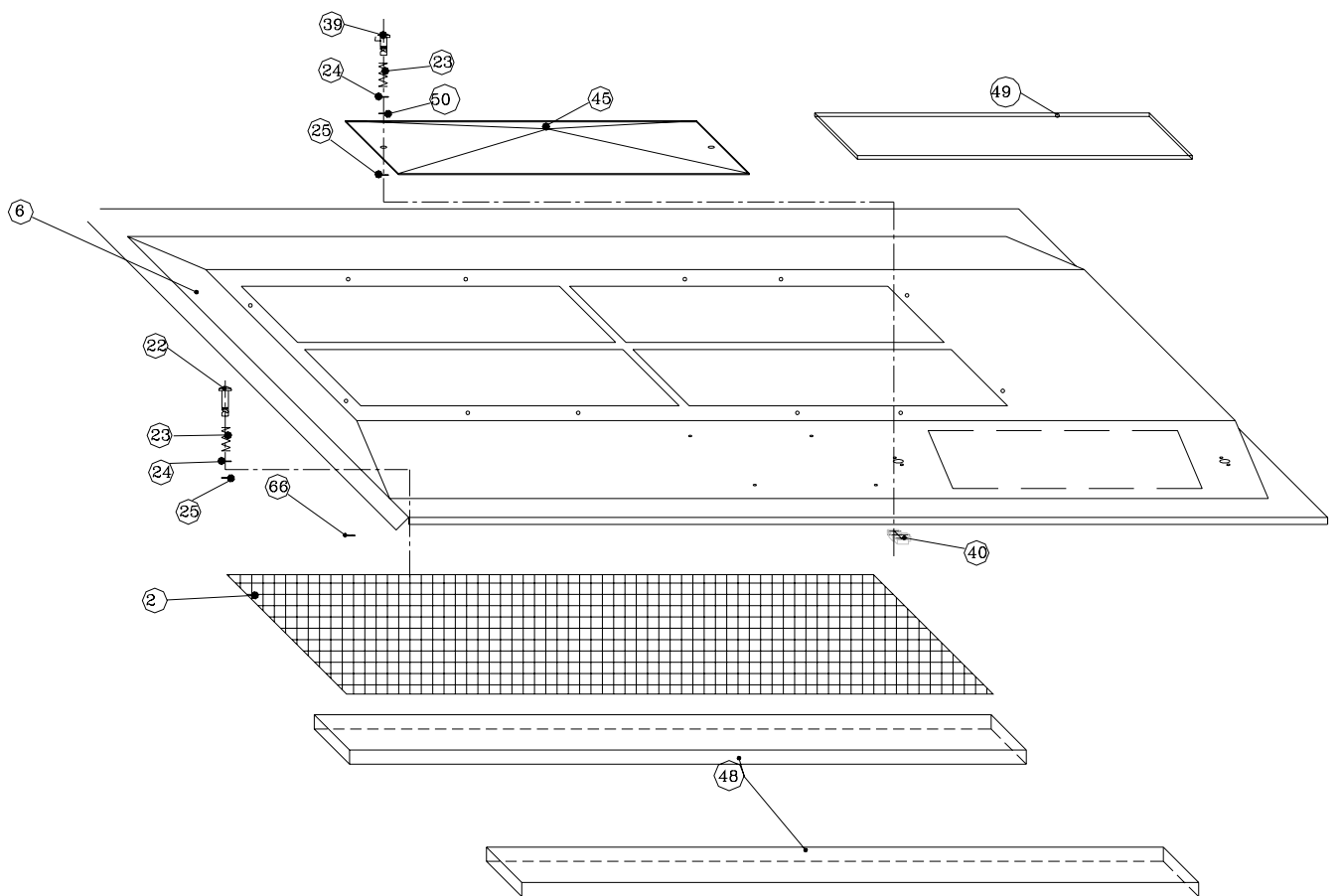
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Condensing Unit
Unité de Condensation
Unidad Condensadora



Condensing Unit
Unité de Condensation
Unità Condensatore

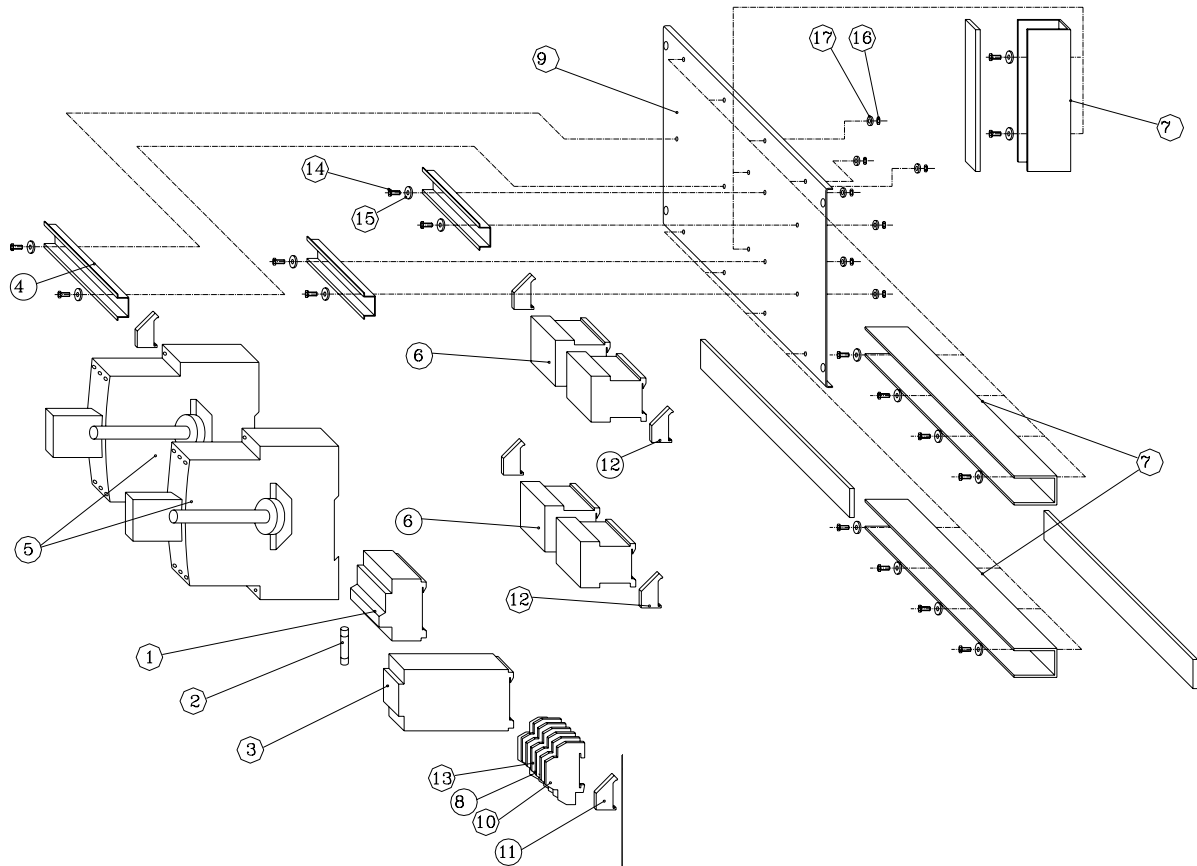


Condensing Unit

Unité de Condensation

Unitá Condensatore

Pos.	Description	Description	Indicazione	Ordering No. No.Référence Numero del pezzo
1	Stainless steel chassis	Chassis inox	Telaio in inox	15,10,95,019
2	Air grid (10x10)	Grille air (10x10)	Griglia aria (10x10)	21,08,95,041
3	L shape part to fix the electrical panel	L pour fixation coffret électrique	L a fissure pannello elettrico	15,10,95,118
4	Pressure switches hoses connection	Flexibles pour pressostat	Tuobo prolunga carica	75,61,95,002
5	Inspection trap	Trappe d'inspection	Botola di ispezione	15,10,95,099
6	Cover	Capot	Copericho	10,79,12,180
7	Condenser coil	Condenseur	Batteria condensatore	24,02,95,022
8	Fan	Ventilateur	Ventilatore	28,21,95,020
9	Collar	Collier	Supporto ventilatore	10,40,95,012
10	Compressor	Compresseur	Compressore	75,50,95,900
11	Electric panel	Pneau électrique	Pannello elettrico	36,01,06,030
12	Pressure switch KP15	Pressostat de securite	Pressostato KP15	26,03,95,017
13	Liquid receiver	Bouteille liquide	Ricevitore	10,63,01,021
14	Drier	Deshydrateur	Filtro deidratatore	24,06,01,026
15	Pressure switch KP15	Pressostat de regulation	Pressostato KP15	26,03,95,022
16	Fitting straight O-ring 5/8"	Passe cloison O-ring 5/8"	Raccordo O-ring 5/8"	22,25,95,008
17	Fitting straight O-ring 3/4"	Passe cloison O-ring 3/4"	Raccordo O-ring 3/4"	22,25,95,007
18	Front damper centring part	Centeur avant	Antivibrante anteriore	17,10,95,001
19	Rear damper centring part	Centeur arriere	Antivibrante posteriore	17,10,95,002
20	Damper	Support	Support	28,03,95,065
21	Damper	Support	Support	28,03,95,066
22	Bolt	Vis	Bullone	32,24,95,005
23	Spring	Ressort	Molla	32,24,95,006
24	Plastic washer	Coupelle inox	Rondella in plastica	32,24,95,007
25	Stainless steel washer	Rondelle imperdabilitée	Rondella in inox	32,24,95,008
26	Sigth glass	Voyant liquide	Indicatore liquido	24,07,12,021
29	Adapter	Mamelon	Adattatore	24,09,95,370
30	Coil 24 V	Bobine 24 V	Bobina 24 V	22,05,95,101
31	Shut off valve	Vanne bouteille	Rubinetto	22,05,15,350
32	Fitting	Raccord	Raccordo	10,60,03,002
33	Gasket 5/6"	Joint 5/8"	Guarnizione 5/8"	32,23,26,236
34	Gasket	Joint teflon	Rondella teflon	32,23,10,001
35	Shut off valve	Vanne manuelle	Rubinetto	22,05,15,100
36	Soleonid coil valve	Vanne soleonide	Valvola solenoide	22,05,95,100
37	Cable bushing PG 29	Presse étoupe PG 29	Passacavo PG 29	26,27,95,017
38	Nut PG 29	Ecrou PG 29	Dado PG 29	26,27,07,007
39	Bolt locker	Vis	Bullone	32,24,95,011
40	Base lock	Réceptacle	Chiusura di base	32,24,95,003
41	Cable bushing PG 13	Ecrou PG 13	Passacavo PG 13	26,27,95,031
42	Nut PG 29	Ecrou PG 29	Dado PG 29	26,27,95,018
43	Cable bushing PG 29	Presse étoupe PG 29	Passacavo PG 29	26,27,95,001
44	Cable bushing PG 13	Presse étoupe PG 13	Passacavo PG 13	26,27,95,030
45	Inspection trap	Trappe de visite	Botola di ispezione	10,79,11,182

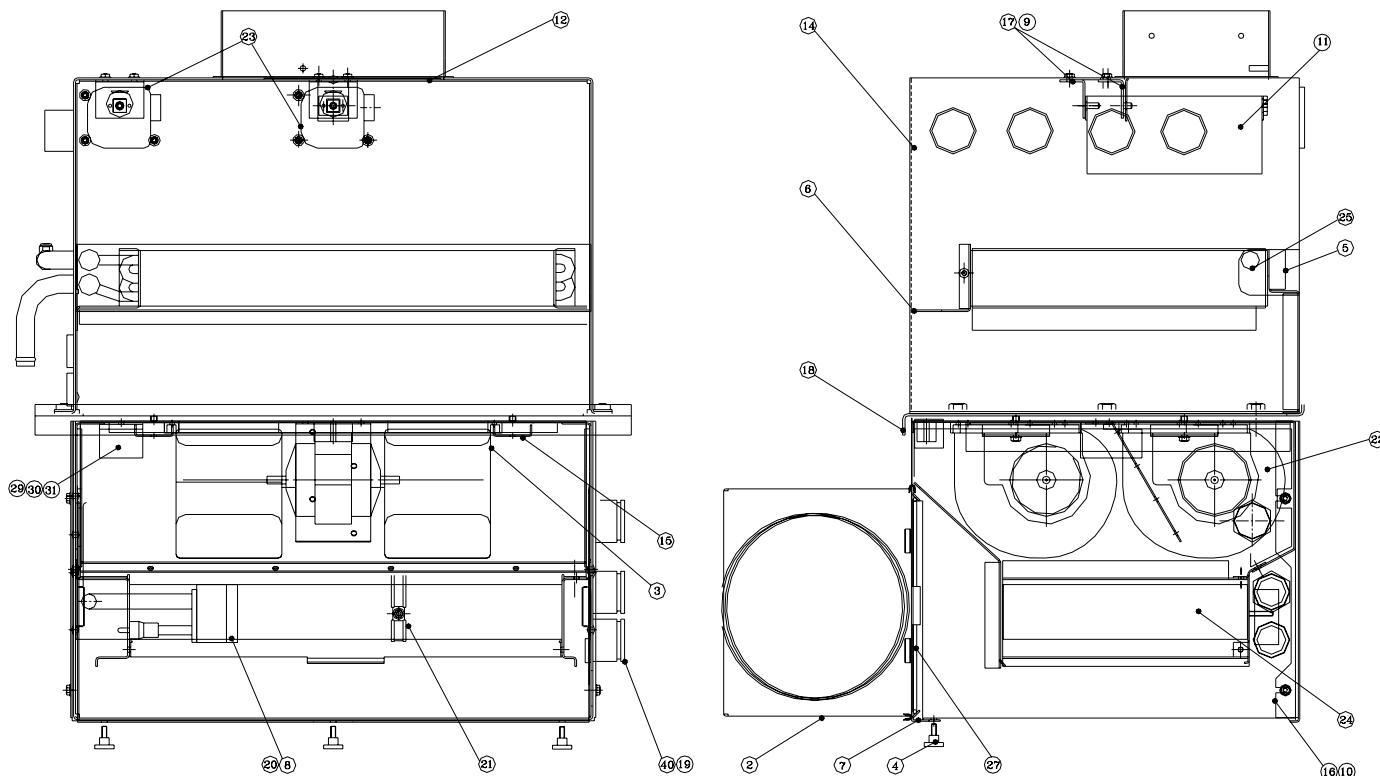
Electrical Part
Partie Électrique
Component Electrici


Pos.	Description	Description	Indicazione	Ordering No. No.Référence Numero del pezzo
1	Bracket Fuses 10x38	Porte fusible 3 pol. 10x38	Porattfusibile 10x38	26,05,95,014
2	Fuses 8 A	Fusible 8 A	Fusibile 8 A	26,05,95,018
3	Time delay relay	Relais temporisé	Termine il relè	26,01,95,064
4	DIN Rail	Rail DIN	Barra DIN	21,03,95,021
5	Contacteur	Contact	Contatto	26,01,95,112
6	Contacteur	Contact	Contatto	26,01,95,113
7	Chute	Goulotte	Canale	21,03,95,020
8	Junction 2 diodes terminals	Bloc de junction	Plastina diode	26,21,95,011
9	Stainless steel plate	Tole inox	Piastra inox	15,10,95,044
10	Junction 4 terminal	Bloc de junction 4 V cage clamp	Connessione a 4 vie	26,21,95,012
11	End flange	Flasque	Morsetto terminale	26,21,95,013
12	End flange DIN rail	Flasque pour rail DIN	Morsetto Terminale barra DIN	21,03,95,022
13	Ground 4 terminal	Bloc de junction	Connessione	26,21,95,009

Frontbox

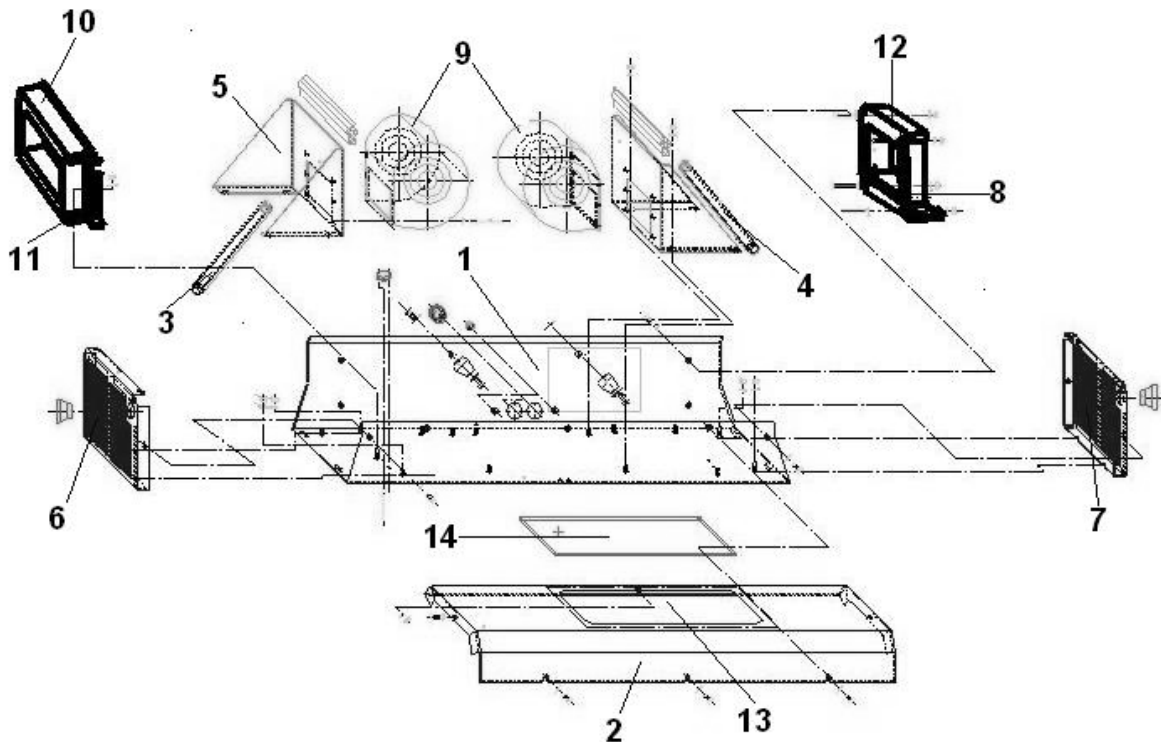
Frontbox

Frontbox



Pos.	Description	Description	Indicazione	Ordering No. No.Référence Numero del pezzo
1	Water valve 24 V	Electrovanne eau chaude 24 V	Valvola acqua 24 V	22,05,14,009
2	Serrated roller	Molette	Vite chiusura filtro	32,01,34,009
3	TXV Flange	Bride pour détendeur	Flangia per valvola espansione TXV	22,25,95,010
4	TXV	Détendeur	Valvola espansione	24,04,95,022
5	Evaporator fan 24 v	Turbine 24 V	Ventilatore 24 V	28,20,01,053
6	Flap motor 24 V	Moteur 24 v	Attuatore 24 v	28,16,02,008
7	Evaporator coil	Batterie évaporateur	Batteria evaporatore	24,03,95,050
8	Heater coil	Batterie eau chaude	Batteria riscaldante	24,08,95,004
9	Harness water heater only	Faisceau turbine	Fascio cavi per solo riscaldamento	63,01,95,060
10	Filter for middle driver cabin	Filtre nylon conduite centre	Filtro centro cabina autista	21,08,95,008
11	Filter for left driver cabin	Filtre nylon conduite á gauche	Filtro sinistro cabina autista	75,19,01,080
12	PTC	Résistances électriques CTP	Resistenze elettriche	26,11,95,013
13	PTC power harness relay card	Faisceau puissance carte relais	Cavi + circuito relai	63,01,95,100
	PTC power harness	Faisceau puissance résistances	Cavi 350 V	63,01,95,070
	PTC power harness	Faisceau puissance résistances	Cavi 350 V	63,01,95,068
	Water valve 24 V	Electrovanne eau chaude 24 V	Valvola acqua 24 V	22,05,14,009
	Serrated roller	Molette	Vite chiusura filtro	32,01,34,009
	TXV Flange	Bride pour détendeur	Flangia per valvola espansione TXV	22,25,95,010

Heater
Chauffage
Riscaldamento



Pos.	Description	Description	Indicazione	Short Heater	Long Heater
				Chauffage court	Chauffage long
				Riscaldatore corto	Riscaldatore lungo
				Ordering No.	Ordering No.
				No.Référence	No.Référence
				Numero d. pezzo	Numero d. pezzo
1	Aluminium chasis	Chassis alu	Telaio alluminio	15,30,95,018	15,30,95,025
2	Aluminium cover	Couvercle alu	Coperchio alu	15,30,95,019	15,30,95,026
3	EPDM joint drain side	Joint EPDM lateral	Connessione EPDM lato scarico	15,03,95,022	15,03,95,022
4	EPDM joint	Joint EPDM	Connessione EPDM	15,03,95,023	15,03,95,023
5	Blower rack	Support ventilateur	Supporto ventilatore	15,30,95,031	15,30,95,031
6	Outlet grid left	Grille soufflage gauche plinthe Civis	Griglia a sinistra	15,10,95,011	15,10,95,011
7	Outlet grid right	Grille soufflage droite plinthe Civis	Griglia a destra	15,10,95,012	15,10,95,012
8	Thermostat	Thermostat	Termostato	26,09,01,038	26,09,01,038
9	Blower	Ventilateur évaporateur	Ventilatore	28,20,95,020	28,20,95,020
10	PTC	Resistance TCP	Resistenza	26,11,95,013	26,11,95,013
11	PTC bracket right	Support PTC droit	Supporto PTC destra	10,10,09,122	10,10,09,122
12	PTC bracket left	Support PTC gauche	Supporto PTC sinistra		10,10,09,123
13	Inlet filter	Filtre aspiration	Filtro aria	21,08,95,004	
14	Inlet filter	Filtre aspiration	Filtro aria	21,08,95,005	21,08,95,001

Attachement

Attachement

Collegamento

Part number

60,01,95,010
60,01,95,002-00

Description

Control unit CIVIS
Control board

Problem description:

Because of the high supply current for the blowers at level 3 and 4, it may happen that the 9 pin. plug and the circuit board gets damaged because of the occurring heat.

Solution:

A additional control board will be attached which is switching the current of the blowers. Thus the circuit board will be discharged and has only to supply the control current for the relays.

Fitting:

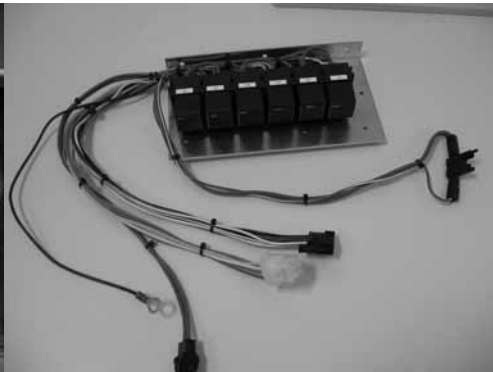
Disconnect the 9 pin connector from the circuit board and cut it from the existing harness.
Connect the 8 pin JPT socket plug on the basis of the wiring diagram and the chart below to the existing cut harness.
Connect the 8 pin JPT socket plug with the counter piece which comes from the control board.
The wires with the label 2262 and 2372 have to be connected with the 2 pin socket plug and also with the 2 pin plug which comes from the control board. The GND has to be connected to the cover of the control unit. The 9 pin Mate-n-Lok socket plug has also be connected to the circuit board. Please double check that the 8 pin connector is accurately wired. The fuse F7 which has to be fitted on the housing of the control unit has to be connected with the red wire and the rd/wh wire which comes from the relay board.

		Pin
		8 pin. JPT
Wire number:	2X S501	4
	S 502	1
	S 503	5
	S 504	2
	S 505	6
	S 506	3
	S 507	7
		2 pin. JPT
	2262	1
	2372	2

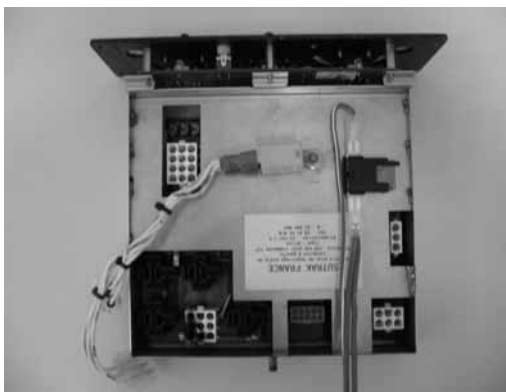
The control board has to be attached that the angled site is in the back. On the front site of the plate are two wholes for the mounting. Under the plate will be a piece of insulation mat to cover potential vibrations.



Control unit bottom view 60,01,95,010



Control board 60,01,95,002-00



Control unit 60,01,95,010

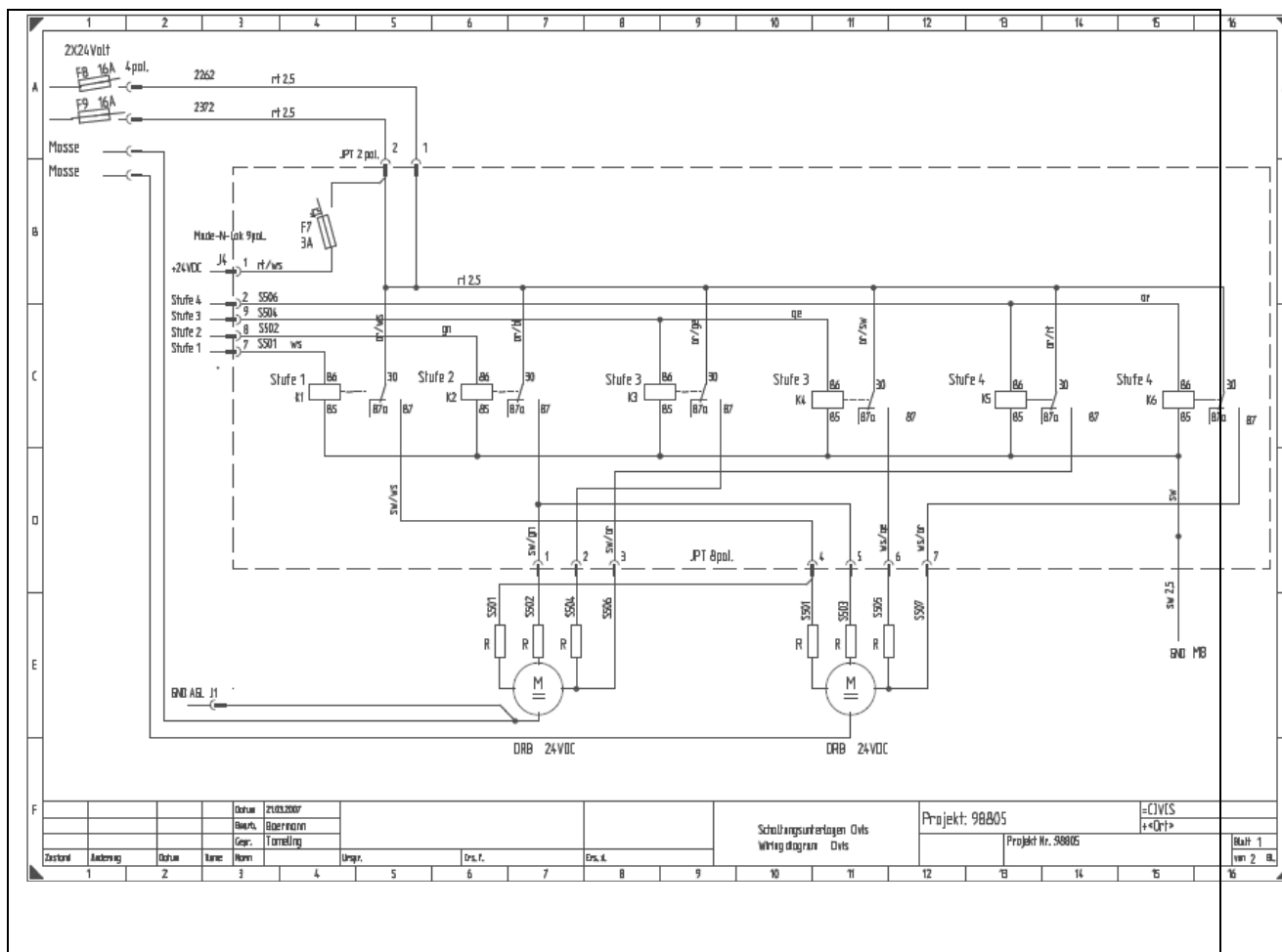


Bottom view of the control unit with the new control board

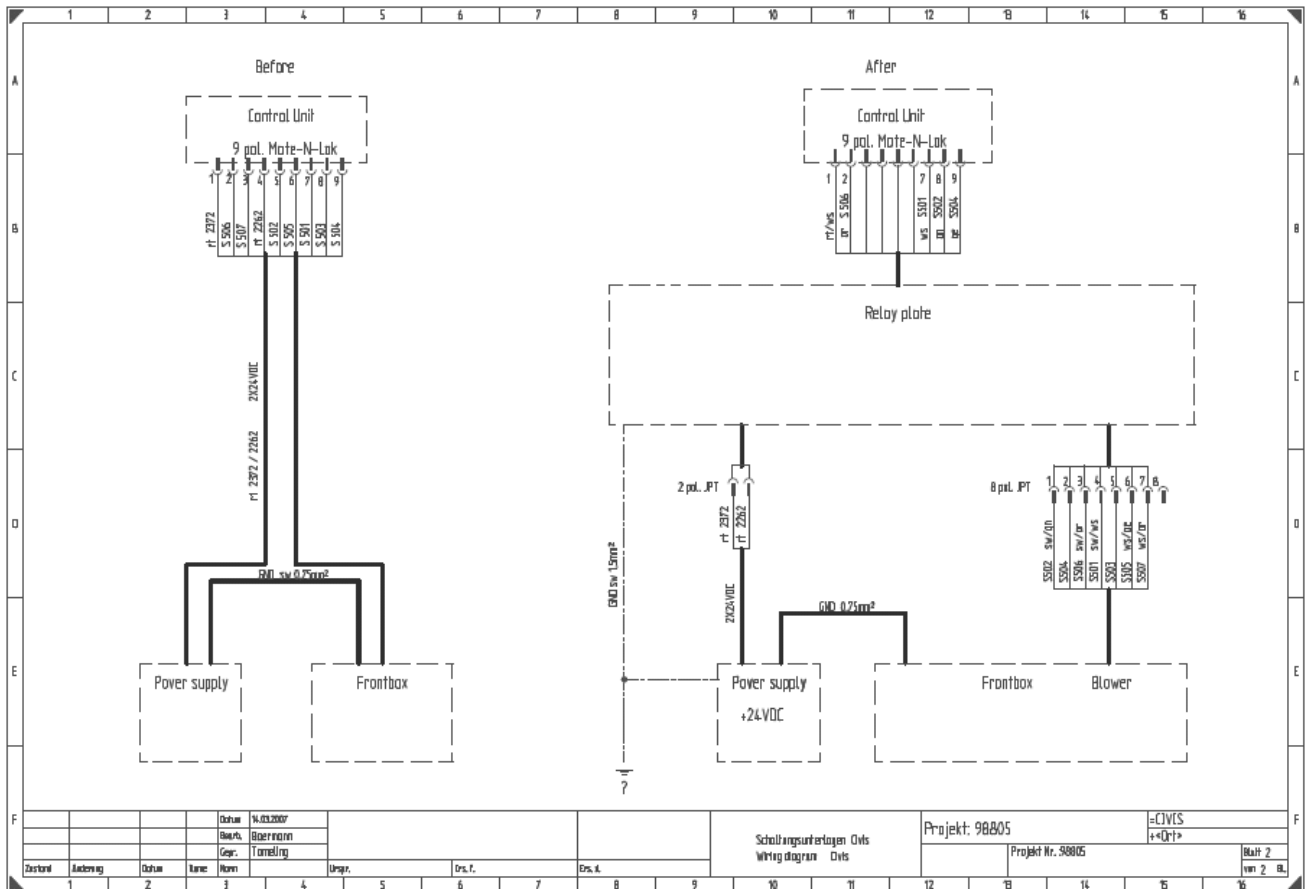


Control unit 60,01,95,010

Result of the measurement



K1 S501	4,7 A
K2 S502	6,7 A
S503	6,7 A
K3 S504	8,1 A
K4 S505	8,1 A
K5 S506	10,9 A
K7 S507	10,6 A



Labour allowance

Labour time for placing the control board

approx: 60 Minutes / vehicle

The electrical kit 60,01,95,002-00 contains the following parts.

SPos	Part number	Name	Amount	MES
	60,01,95,002-00	Control board CIVIS		
10	26,01,19,001	Socket for Relay	6	STK
20	10-00286-13	Relay 24VDC 1W(SC)	6	STK
30	15,04,14,035	Mounting angle AC 7	1	STK
40	26,40,02,003	Single conductor H07V-K Fa=RD 2,5	0,6	M
50	26,40,02,003	Single conductor H07V-K Fa=RD 2,5	0,8	M
60	26,40,02,003	Single conductor H07V-K Fa=RD 2,5	0,44	M
70	26,40,02,003	Single conductor H07V-K Fa=RD 2,5	0,25	M
80	26,40,21,009	Single conductor FLK Fa=WHRD 1,5	1	M
90	26,40,21,002	Single conductor FLK Fa=BKGN 1,5	0,54	M
130	26,40,21,001	Single conductor FLK Fa=BKWH 1,5	0,57	M
140	26,40,21,003	Single conductor FLK Fa=BKYE 1,5	0,51	M
150	26,40,21,008	Single conductor FLK Fa=WHYE 1,5	0,48	M
160	26,40,21,011	Single conductor FLK Fa=WHOG 1,5	0,42	M
170	26,40,21,005	Single conductor FLK Fa=BKOG 1,5	0,45	M
180	26,40,01,001	Single conductor H07V-K Fa=GN 1,5	0,55	M
190	26,40,15,009	Single conductor FLK Fa=WH 1,5	0,58	M
200	26,40,01,006	Single conductor H07V-K Fa=YE 1,5	0,52	M
210	26,40,15,008	Single conductor FLK Fa=OG 1,5	0,49	M
220	26,40,01,005	Single conductor H07V-K Fa=BK 1,5	0,56	M
230	26,17,05,038-00	Female connector 9 polig Mate-N-Lok	1	STK
240	26,17,05,062	Male connector JPT(2.reihig) 8 POL	1	STK
250	26,33,01,016	Ringkabelschuh .1,5-2,5 M 6	1	STK
260	26,05,05,240	Fuse 3A	1	STK
270	26,17,15,060-02	Male connector housing JPT (2-reihig) 2-polig	1	STK
280	26,33,03,145	Male connector 1,5-2,5mm Junior POWER TIMER	2	STK
290	26,33,03,210	Female connector 1,5-2,5mm ² Junior Power Timer	8	STK
300	36,02,03,001	Plasctic bag	1	STK
310	26,25,95,009	Cable clip	14	STK
320	26,17,15,062	Male connector housing JPT (2.reihig) 8 POL	1	STK
330	26,33,03,145	Male connector 1,5-2,5mm Junior POWER TIMER	8	STK
340	26,17,05,060-02	Female connector housing JPT (2-reihig) 2-polig	1	STK
350	26,33,03,210	Female connector 1,5-2,5mm ² Junior Power Timer	2	STK
360	32,01,22,054	Screw 4,8X 9,5 Form F	3	STK
370	26,33,03,197	Male connector 0,5-2,1mm ²	6	STK
400	21,10,01,024	Sealing profile 150 15x20 10m Rolle	0,43	M
410	21,03,51,012	Edge protection	0,21	M
420	26,05,02,082-00	Fuse holder	1	STK



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