

SANTANA L - XL 12V

Codice / Code: **B00212**

**SOSTITUZIONE LOGIC RELÉ
REPLACEMENT DU LOGIC RELÉ
REPLACEMENT OF LOGIC RELÉ
LOGIC RELÉ AUSTAUSCH
SUSTITUCIÓN LOGIC RELÉ**

Istruzioni di montaggio

Instructions pour le montage

Fitting instructions

Einbauanleitungen

Instrucciones de montaje

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DESCRIZIONE SIMBOLOGIA UTILIZZATA / DESCRIPTION DE LA SYMBOLOGIE UTILISÉE
DESCRIPTION OF SYMBOLS USED / BESCHREIBUNG DER VERWENDETEN SYMBOLIK
DESCRIPCIÓN DE LOS SIMBOLOS UTILIZADOS

1A

Riferimento a figura / Référence à la figure / See figure
 In Bezug auf Abbildungen / Referencia a la figura

1-1

Riferimento a componenti di fornitura / Référence aux composants de la fourniture
 See supplied components / Bezug auf Gelieferte Einbauelemente
 Referencia a los componentes de abastecimiento

1

Riferimento a posizione schema elettrico / Référence à la position du schéma électrique
 See position in wiring diagram / In Bezug auf Position im Schaltschema
 Referencia a la posición del esquema eléctrico

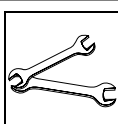


- Lubrificare tutti i raccordi e gli O.R. con il nuovo olio refrigerante prima di collegarli
 - Graisser tous les raccords et les O.R. avec le nouveau huile réfrigérant avant de les raccorder

-Lubricate all fittings and O-rings with new refrigerant oil before connecting them

- Alle Verbindungsstücke und OR-Ringe vor deren Verbindung mit dem neuen Kühlmittelöl ölen

- Lubrificar todos los empalmes y los O.R. con el nuevo aceite refrigerante antes de conectarlos



- Per avvitare a fondo o allentare i raccordi tubi gas usare due chiavi per bilanciare coppia di torsione

- Pour visser à fond ou desserrer les raccords des tuyaux gaz, utiliser le deux clés pour équilibrer le couple de torsion

- When tightening or loosening the fittings of the gas pipes, use two wrenches to equalize the torsion couple

- Um die Verbindungsstücke der Kältemittelschläuche gleichmäßig festzuschrauben oder zu lockern, zwei Schlüssel für das Verschraubungspaar verwenden

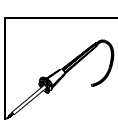
- Para enroscar a fondo o aflojar los empalmes tubos gas se deben usar dos llaves para balancear el par de torsión



- Tagliare con utensile appropriato al materiale
 - Couper à l'aide d'outil approprié
 - Cut with a device suitable for the material



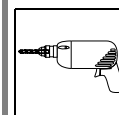
- Mit dem Material entsprechendem Werkzeug schneiden
 - Cortar con herramienta apropiada al material



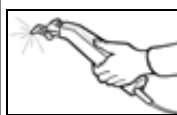
- Stagnare
 - Étamer
 - Tin
 - Verzinnen
 - Estañar



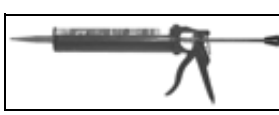
- Spianare
 - Nivelar
 - Flatten out
 - Richten
 - Nivelar



- Forare
 - Percer
 - To drill
 - Durchbohren
 - Taladrar



- Tagliare con utensile a lama calda
 - Couper à l'aide d'un outil à lame chaude
 - Cut using the tool with heated blade.
 - Mit Schweißmesserwerkzeug schneiden
 - Cortar con útil a hoja caliente



- Siliconare
 - Mettre de la silicone
 - Coat with silicone
 - Mit Silikon Abdichten
 - Siliconar

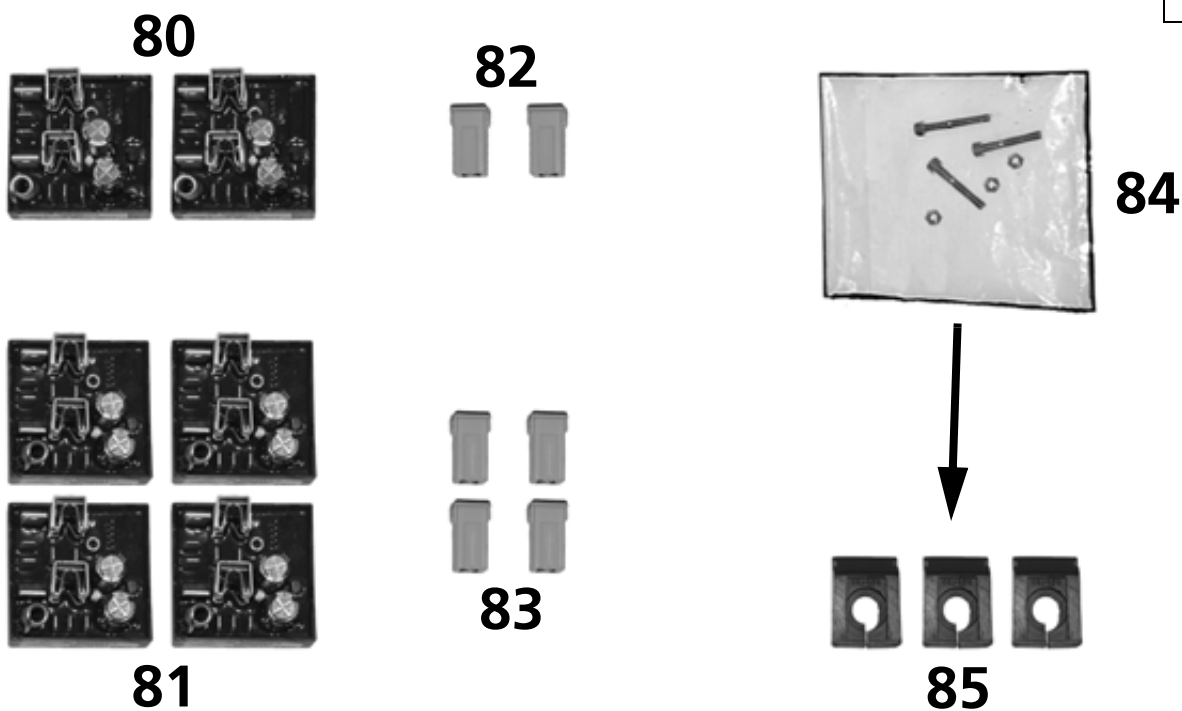
- Sigillare
 - Obturer
 - Seal
 - Abdichten
 - Sellar

Pos.	ITALIANO	FRANÇAIS	ENGLISH	DEUTSCH	ESPAÑOL
80	Scheda "Fan"	Unité "Fan"	"Fan" unit	Einheit "Fan"	Unidad "Fan"
81	Scheda "Blower"	Unité "Blower"	"Blower" unit	Einheit "Blower"	Unidad "Blower"
82 - 83	Fusibile	Fusible	Fuse	Schmelzsicherung	Fusible
84	Sacchetto accessori	Sachet accessoires	Bag of accessories	Säckchen mit Zuberhörteilen	Bolsita accesorios
85 - 87	Gommino passacavi	Pièce en caoutchouc passe-câbles	Rubber wires lead	Kabeldurchgang	Goma pasacables
86	Impianto elettrico	Faisceau électrique	Electrical system	Elektrische Anlage	Instalación eléctrica

**SOSTITUZIONE LOGIC RELÉ / REMPLACEMENT DU LOGIC RELÉ
REPLACEMENT OF LOGIC RELÉ / LOGIC RELÉ AUSTAUSCH
SUSTITUCIÓN LOGIC RELÉ**

MATERIALE FORNITO / MATERIEL FOURNI / SUPPLIED MATERIAL / GELIEFERTES MATERIAL / MATERIAL ABASTECIDO

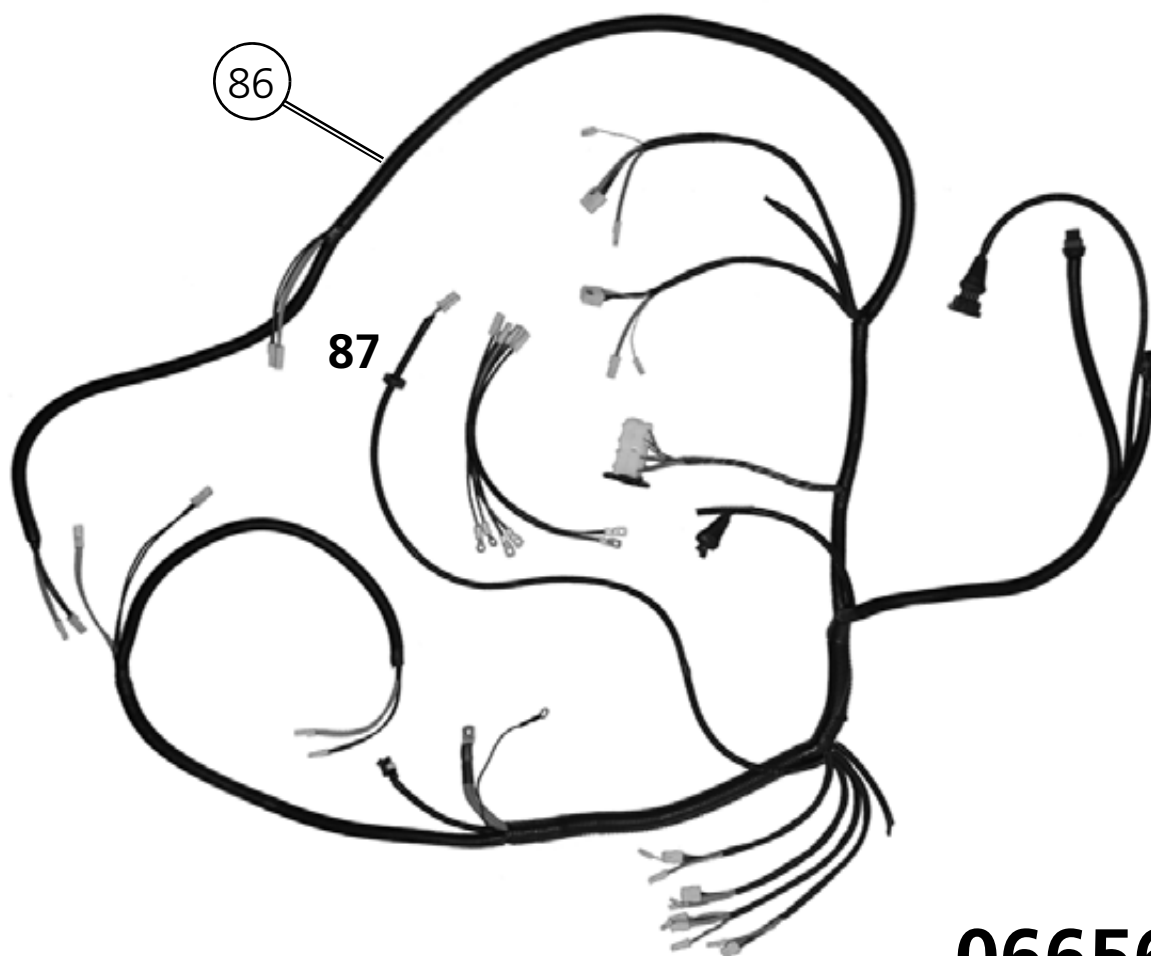
1A



Pos.	Descrizione Description Description Beschreibung Descripción	Codice Code Code Codigo
80	Scheda "Fan"	0682852/0
81	Scheda "Blower"	0682853/0
82	Fusibile 20A	0682861/0
83	Fusibile 30A	0682846/1
84	Sacchetto accessori	0232134/0
85	Gommino passacavi	069570/0

MATERIALE FORNITO / MATERIEL FOURNI / SUPPLIED MATERIAL / GELIEFERTES MATERIAL / MATERIAL ABASTECIDO

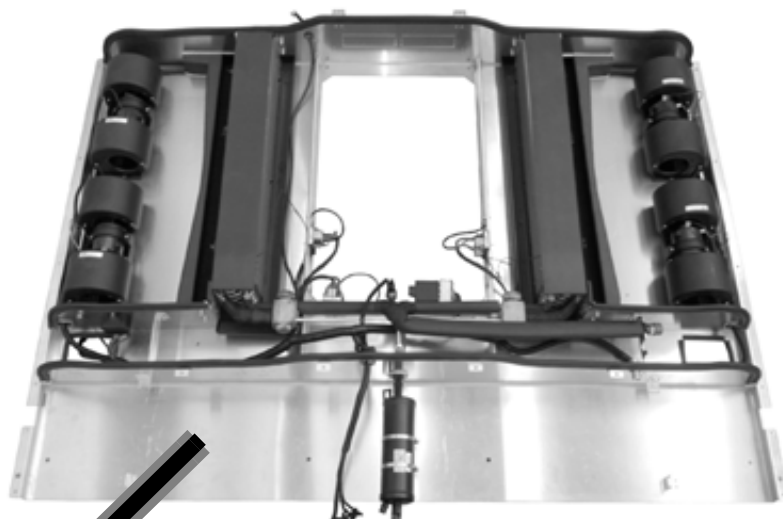
2A



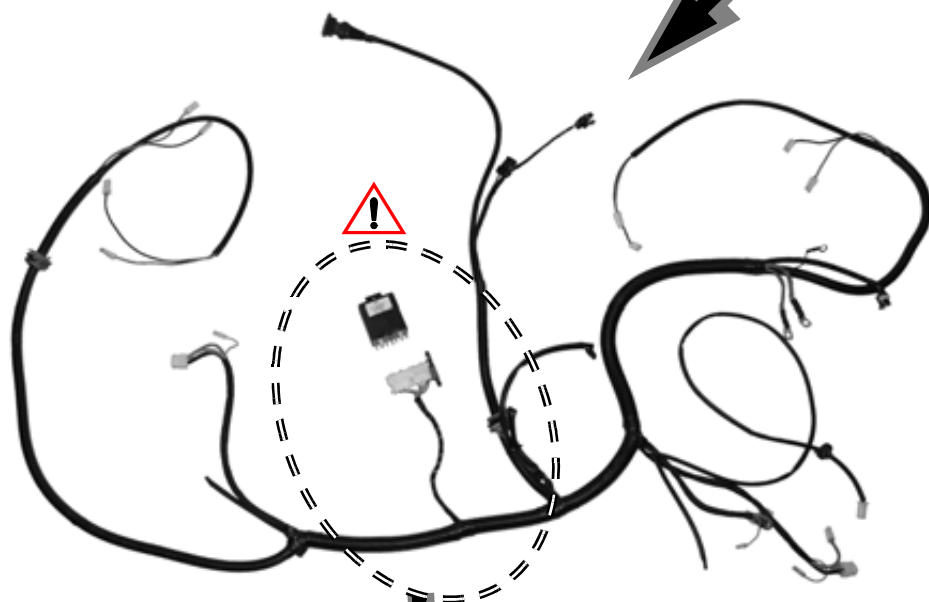
066560/0

Pos.	Descrizione Description Description Beschreibung Descripción	Codice Code Kode Codigo
86	Impianto elettrico	066560/0
87	Gommino passacavi	-

ELIMINARE IMPIANTO ELETTRICO
ELIMINER INSTALLATION ÉLECTRIQUE
ELECTRIC SYSTEM DISCARD
ELEKTRISCHE ANLAGE ENTFERNEN
ELIMINAR INSTALACIÓN ELÉCTRICA

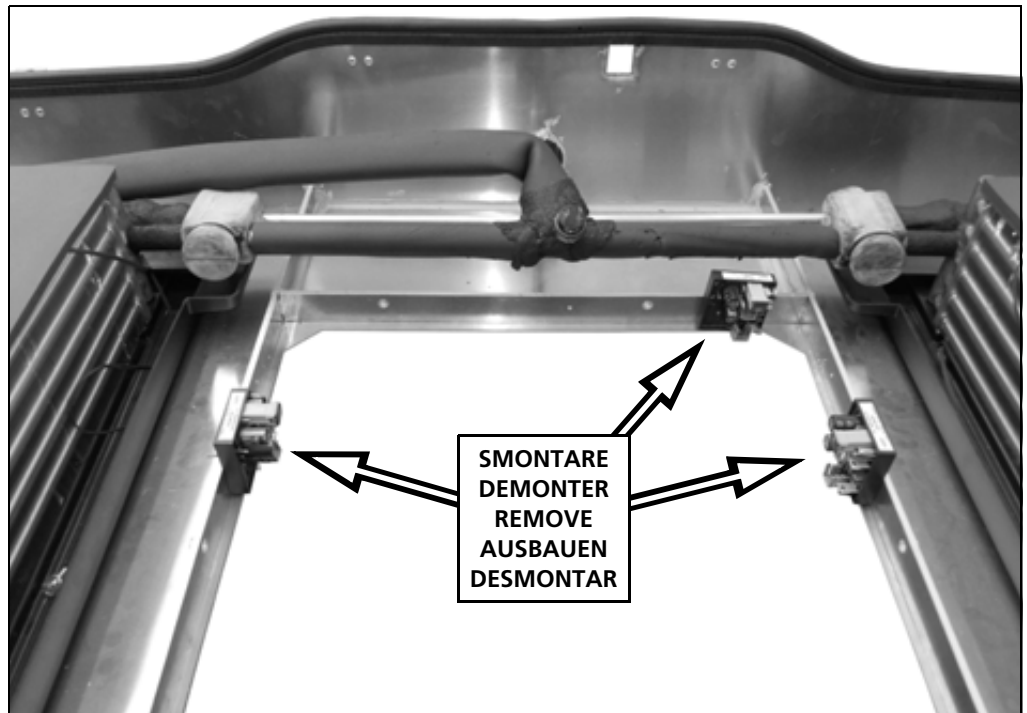


3A

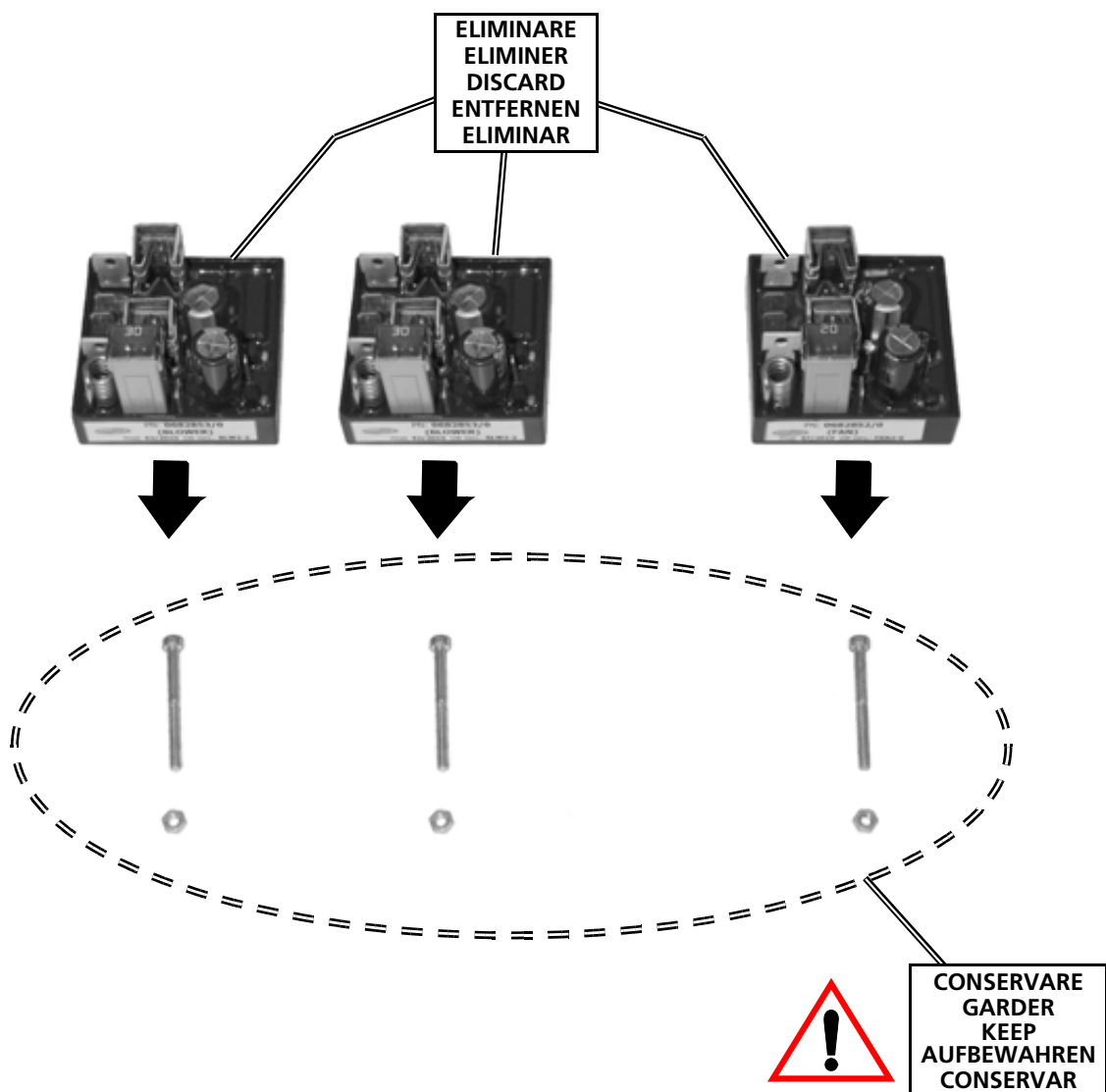


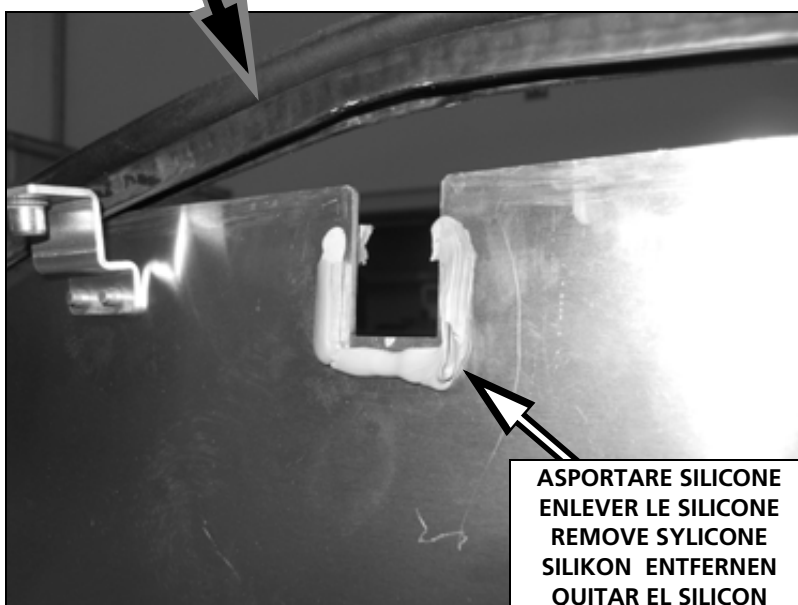
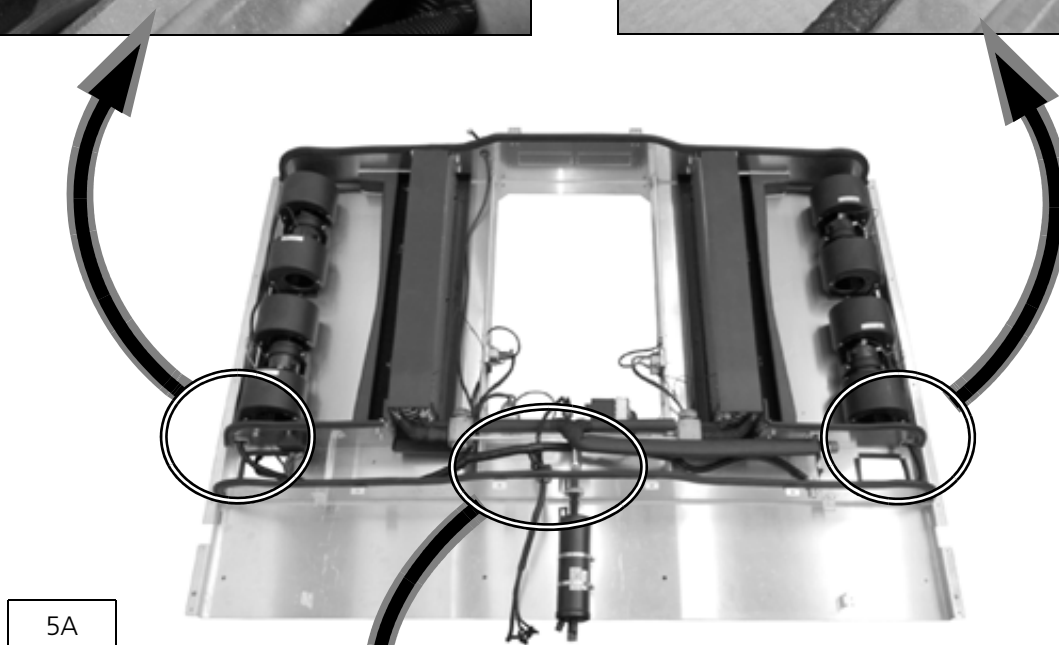
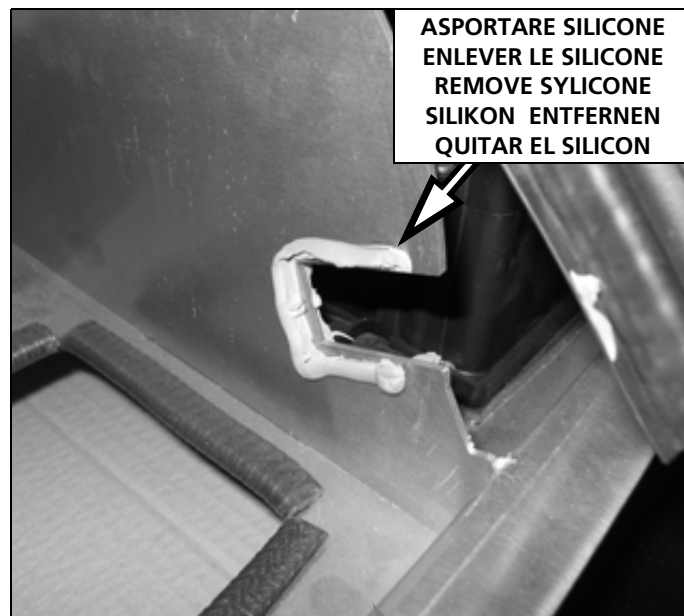
CONSERVARE
GARDER
KEEP
AUFBEWAHREN
CONSERVAR



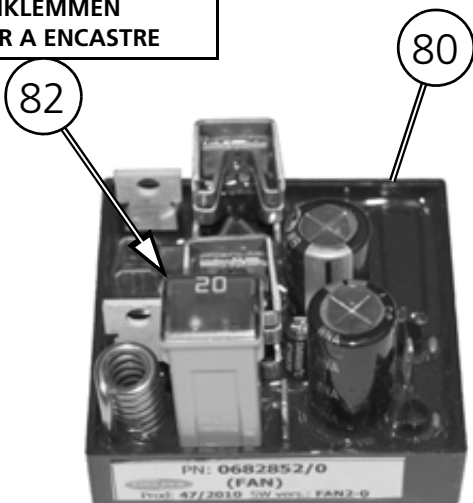


4A



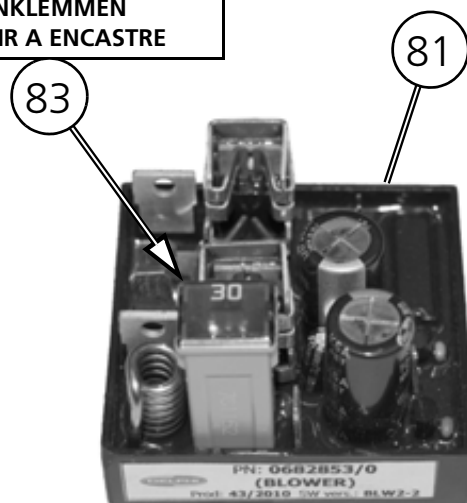


INSERIRE AD INCASTRO
INSERER PAR EMBOITEMENT
TO INSERT TO JOINT
EINKLEMMEN
INSERIR A ENCASTRE



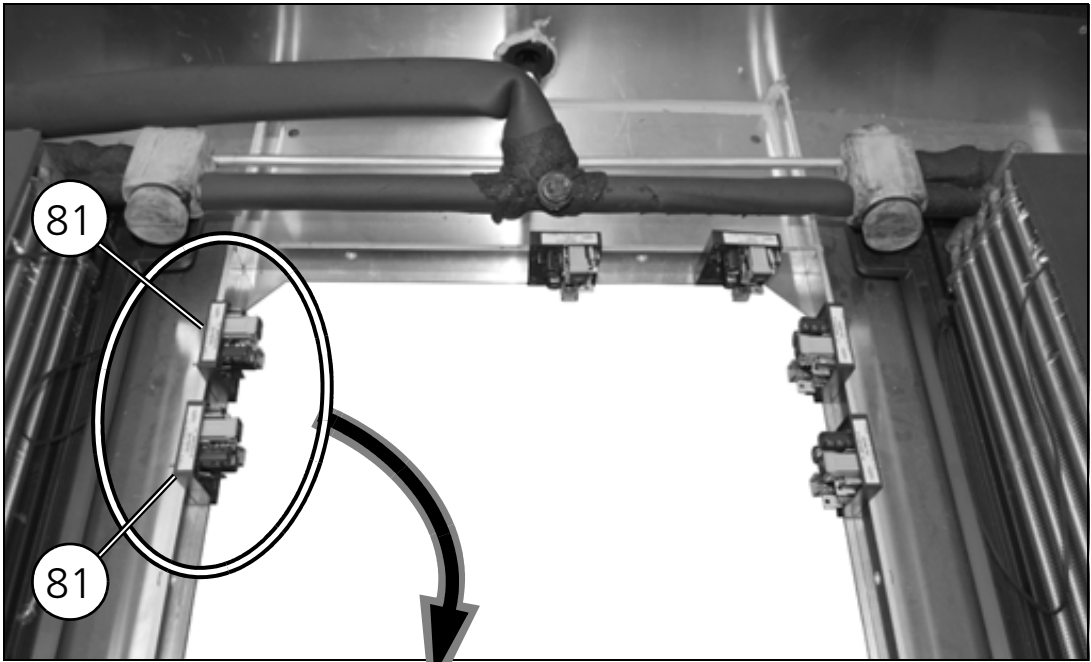
x 2

INSERIRE AD INCASTRO
INSERER PAR EMBOITEMENT
TO INSERT TO JOINT
EINKLEMMEN
INSERIR A ENCASTRE

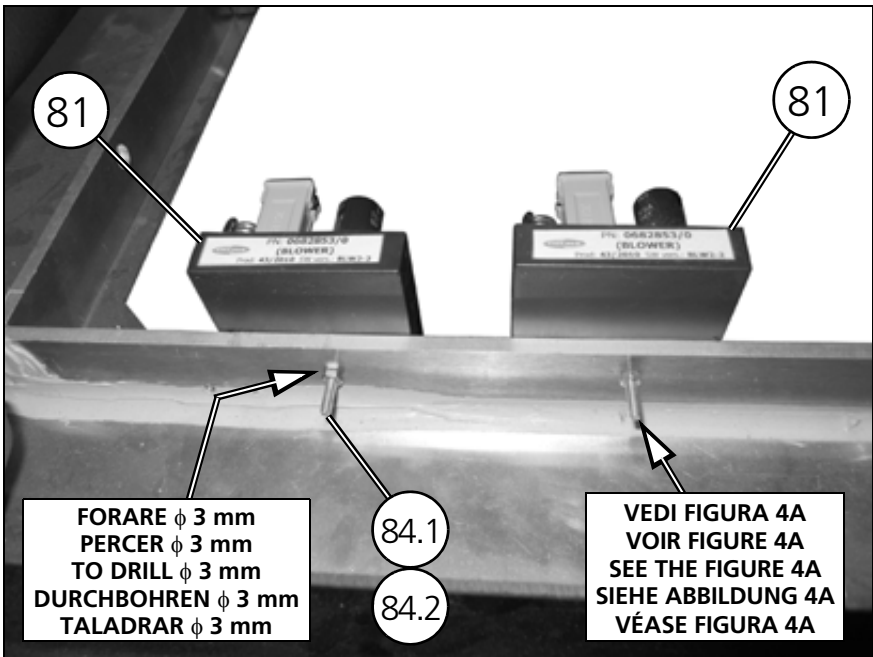
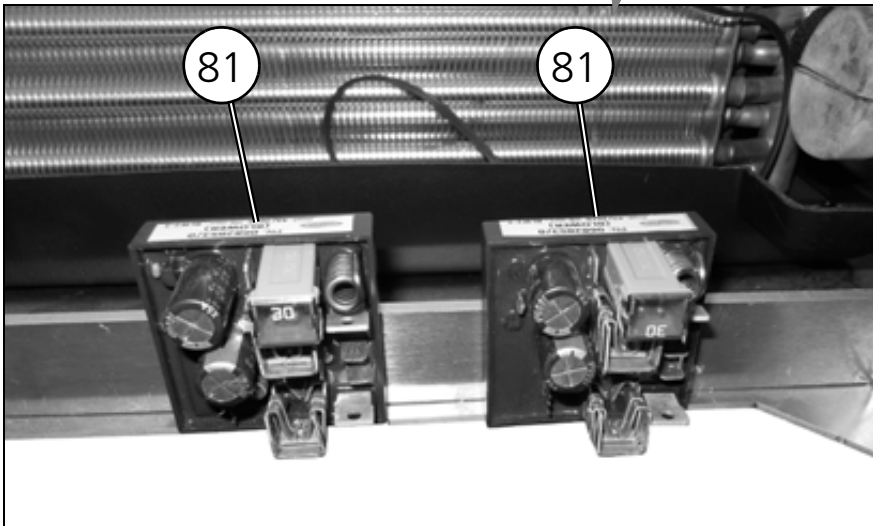


x 4

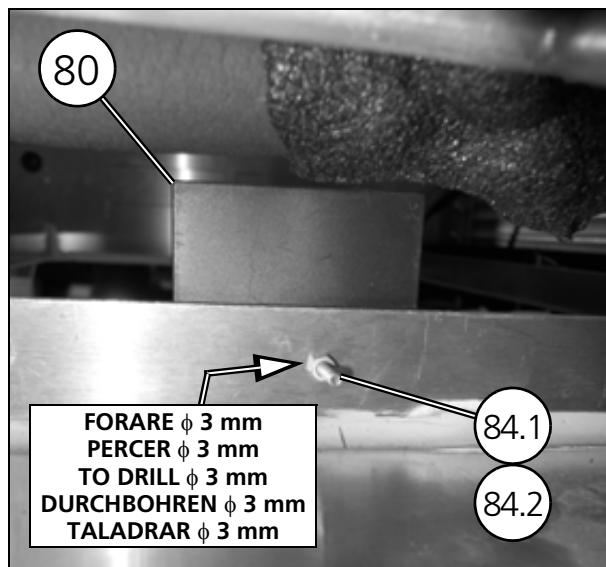
6A



7A

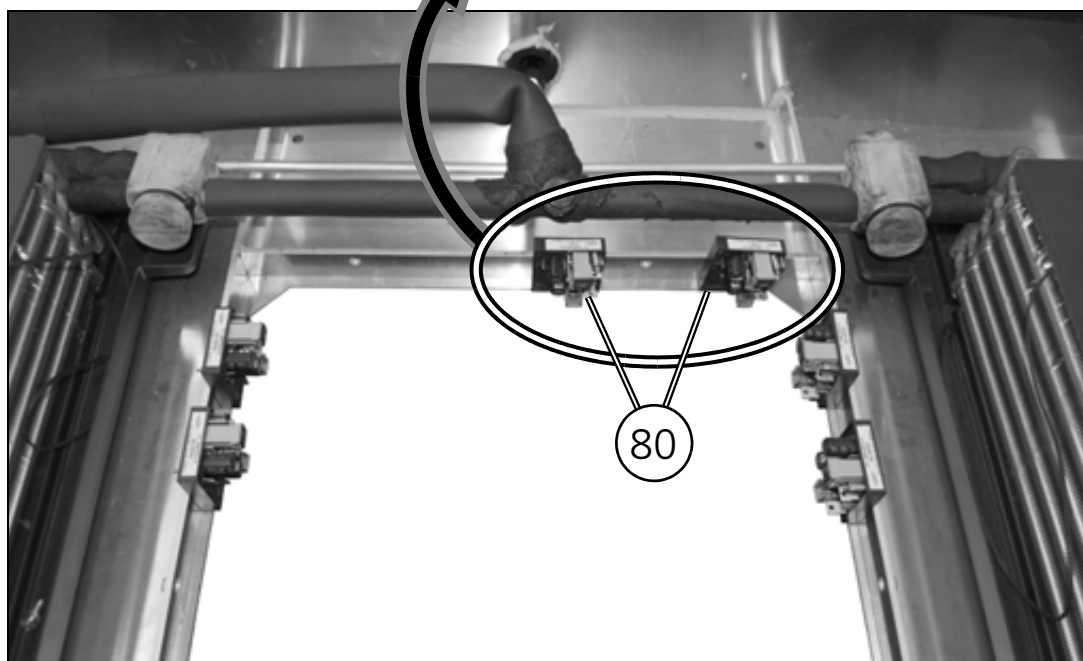
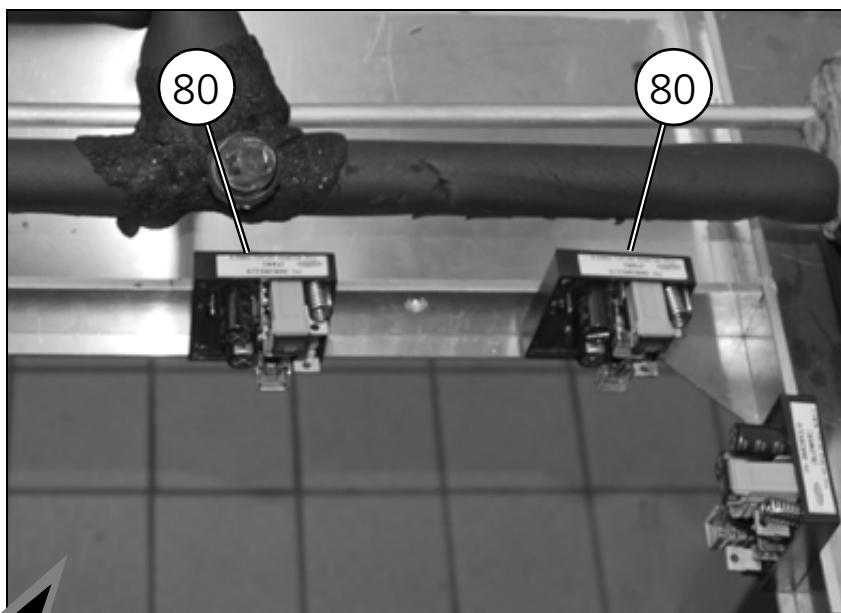


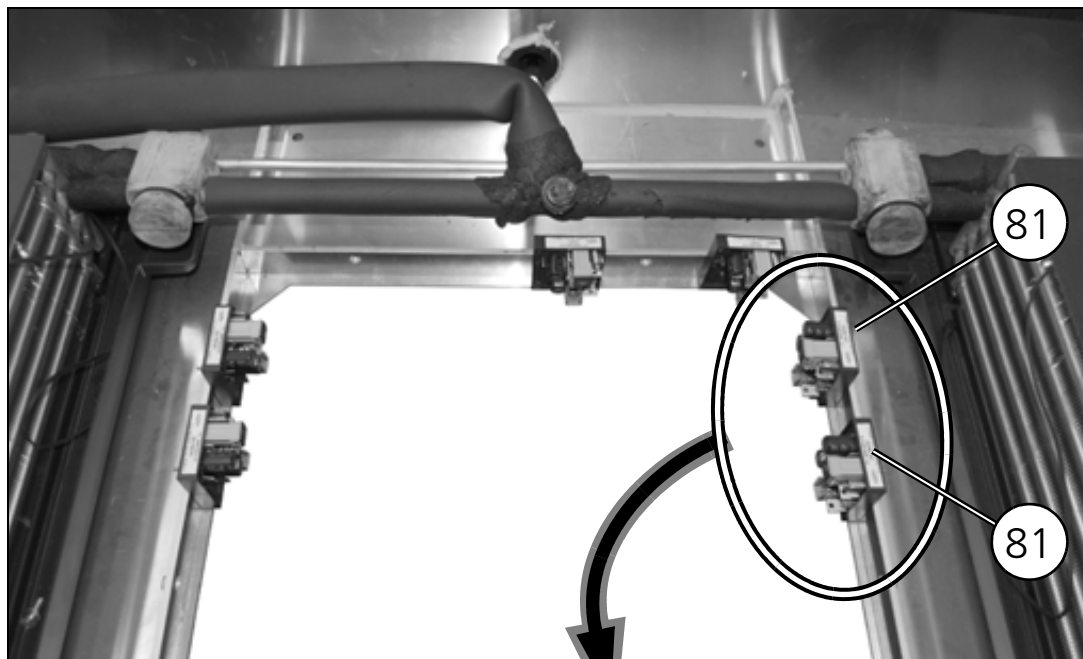
ELEMENTI DI FISSAGGIO PIECES DE FIXATION / FIXING PARTS BEFESTIGUNGSELEMENTE ELEMENTOS DE FIJACION		
Pos.	Tipologia Typologie Typology Tipologie Tipologia	Descrizione Description Description Beschreibung Descripción
84.1		M3 x 35
84.2		M3



ELEMENTI DI FISSAGGIO PIECES DE FIXATION / FIXING PARTS BEFESTIGUNGSELEMENTE ELEMENTOS DE FIJACION		
Pos.	Tipologia Typologie Typology Tipologie Tipologia	Descrizione Description Description Beschreibung Descripción
84.1		M3 x 35
84.2		M3

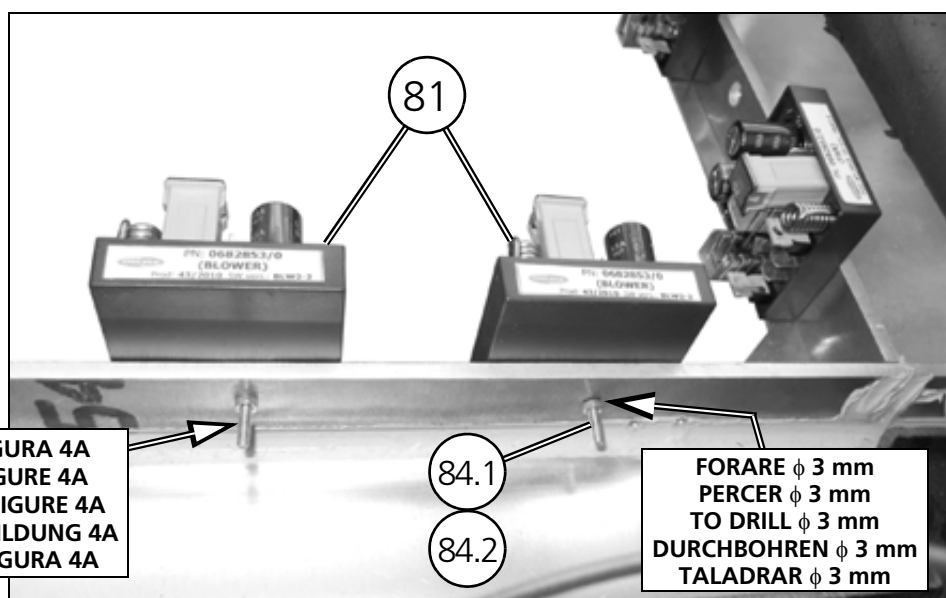
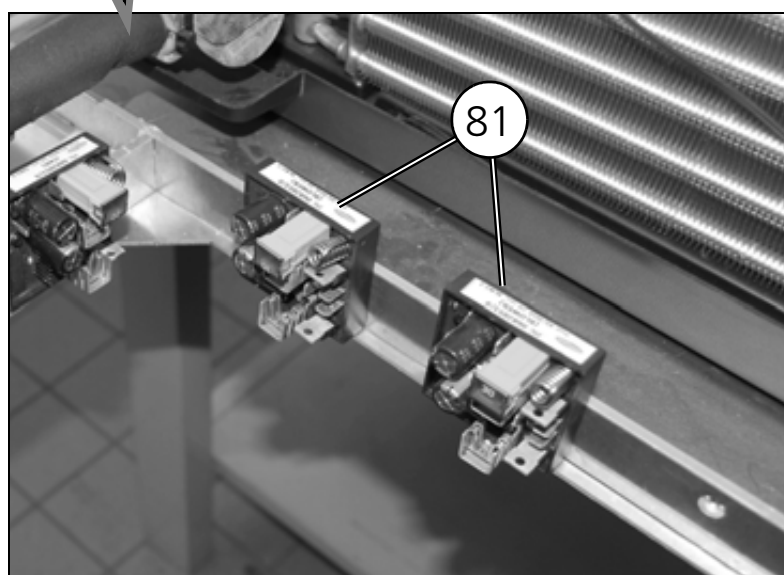
8A



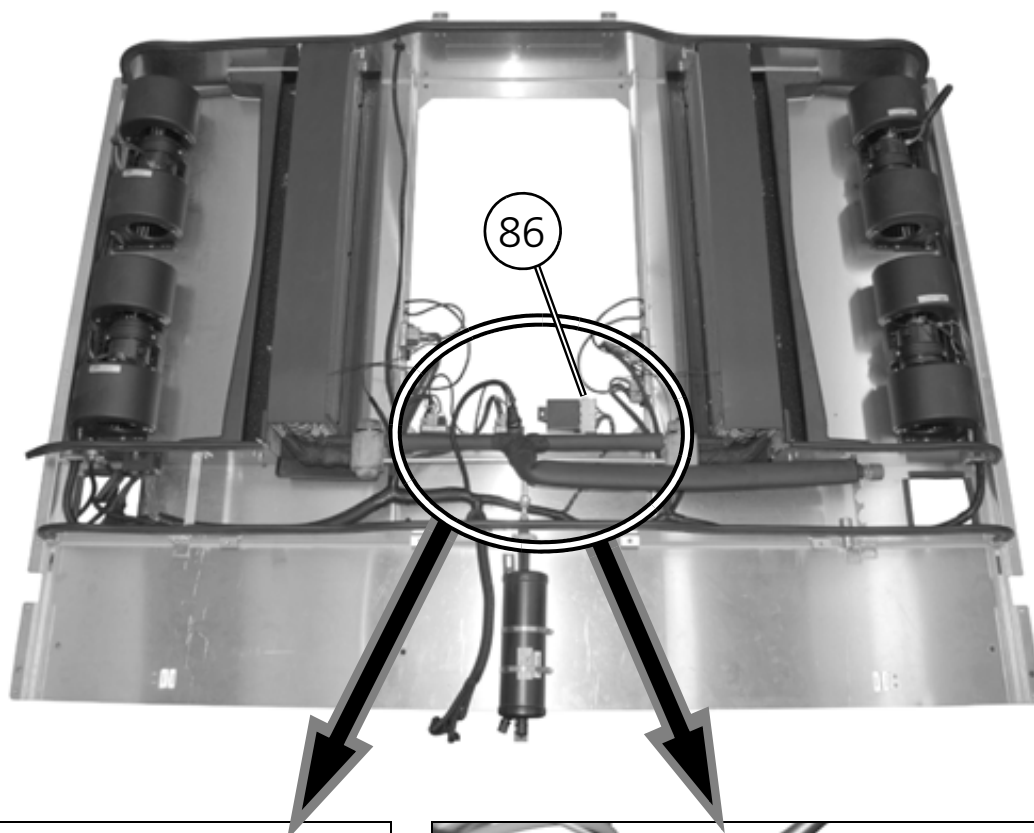


9A

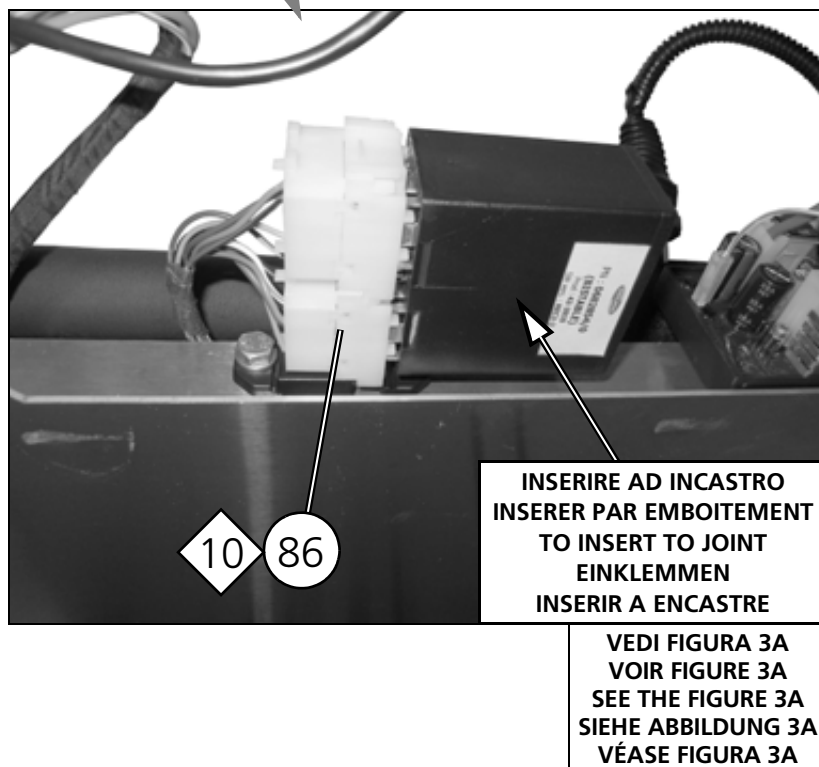
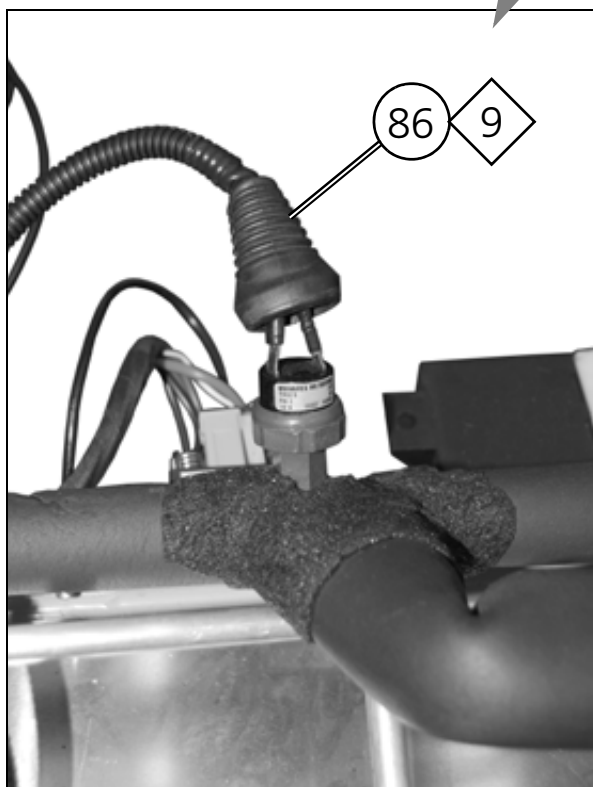
ELEMENTI DI FISSAGGIO PIECES DE FIXATION / FIXING PARTS BEFESTIGUNGSELEMENTE ELEMENTOS DE FIJACION		
Pos.	Tipologia Typologie Typology Tipologie Tipologia	Descrizione Description Description Beschreibung Descripción
84.1		M3 x 35
84.2		M3

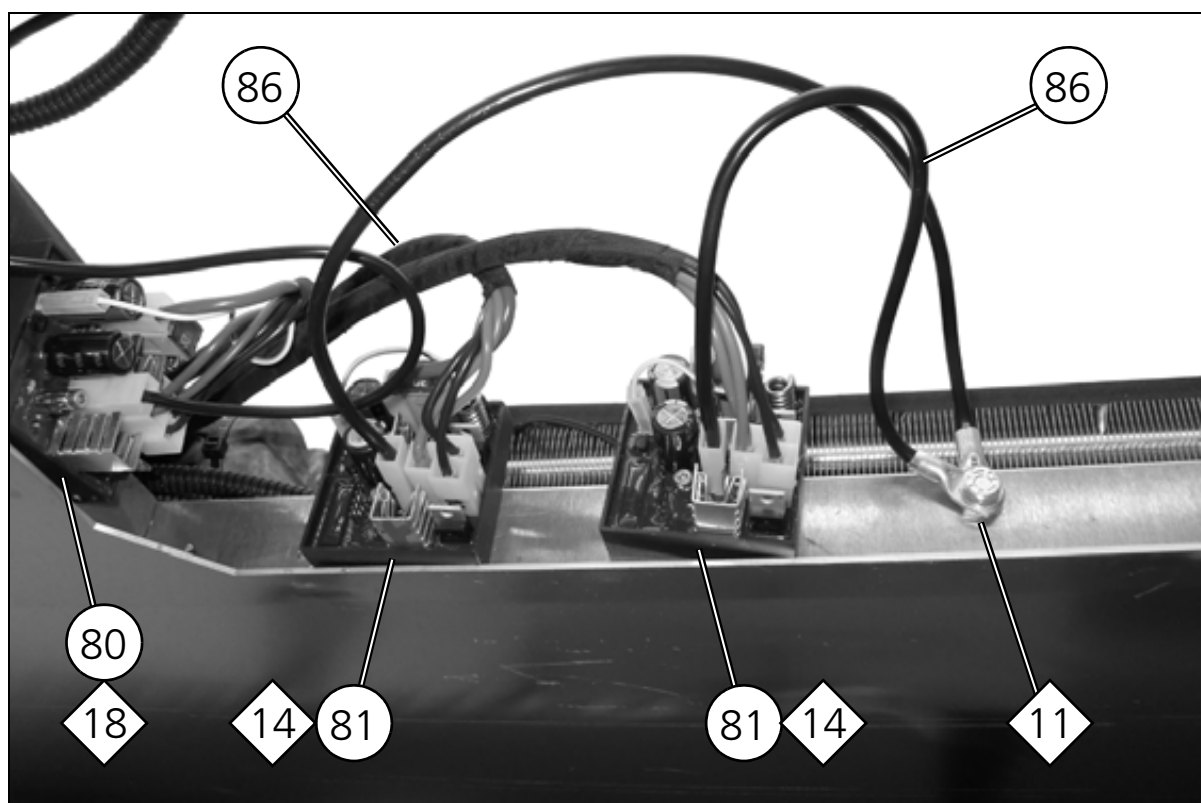
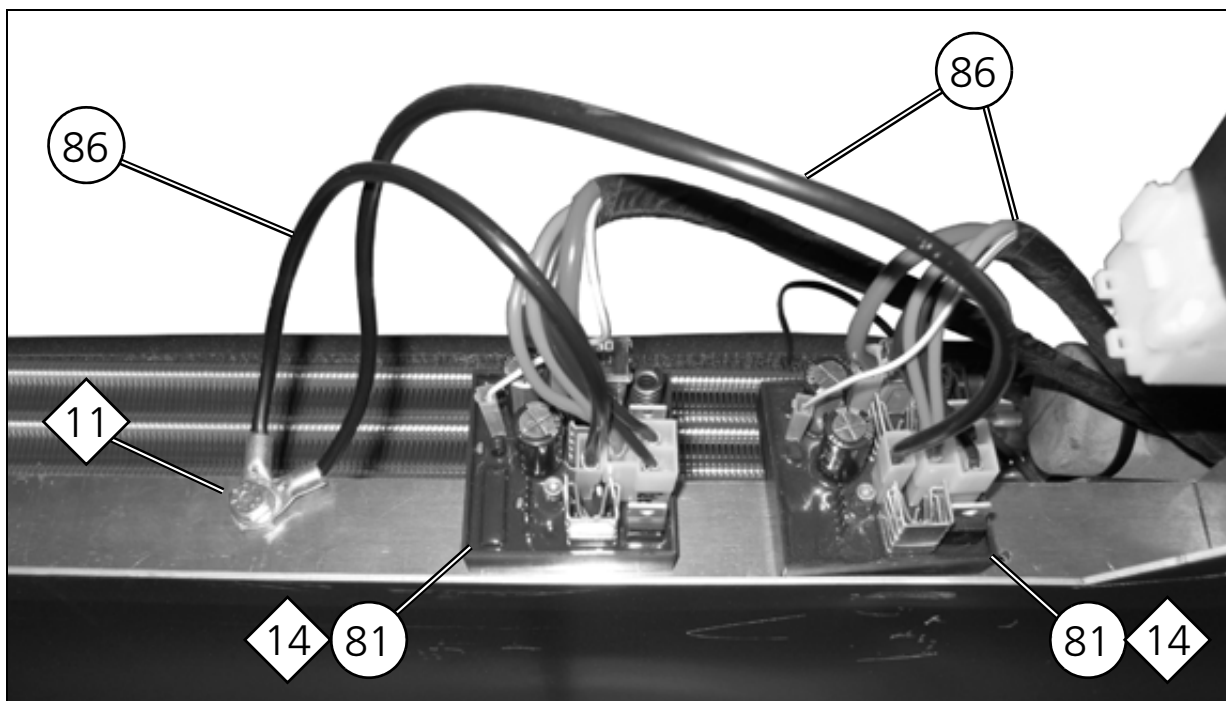


POSIZIONAMENTO IMPIANTO ELETTRICO "86" / POSITIONNEMENT DU FAISCEAU ÉLECTRIQUE "86"
POSITION THE WIRING SYSTEM "86" / OSITIONIERUNG DER ANLAGE "86"
COLOCACIÓN DE LA INSTALACIÓN ELÉCTRICA "86"

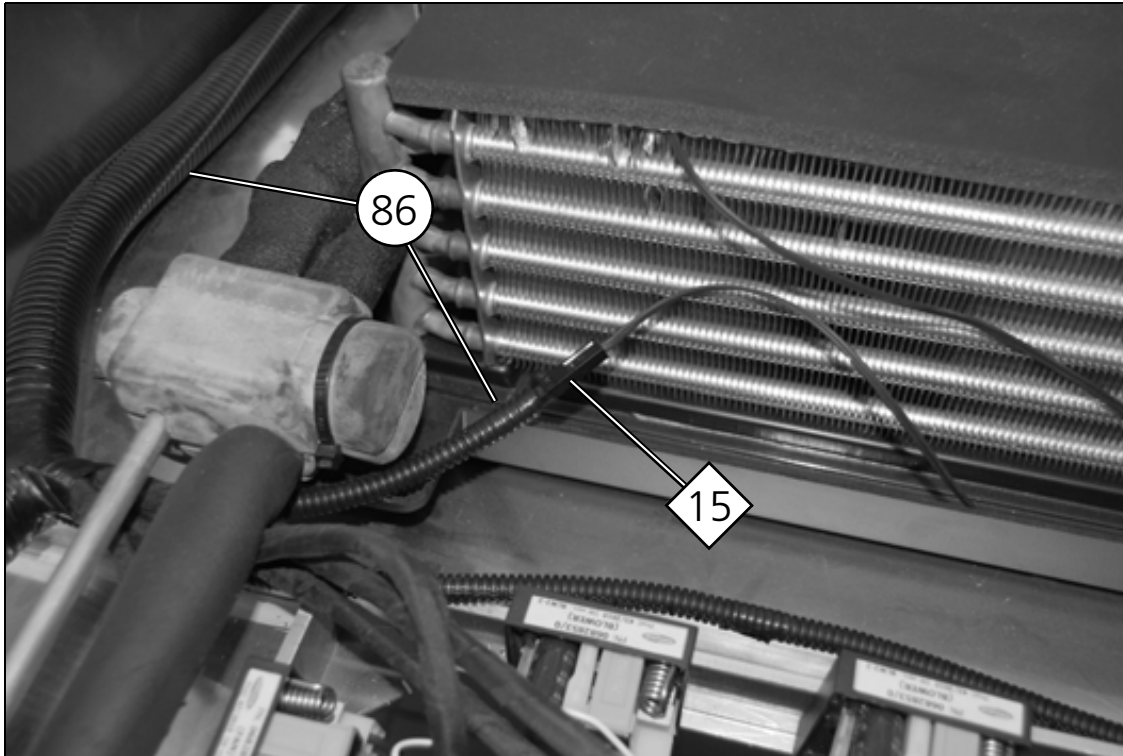


10A

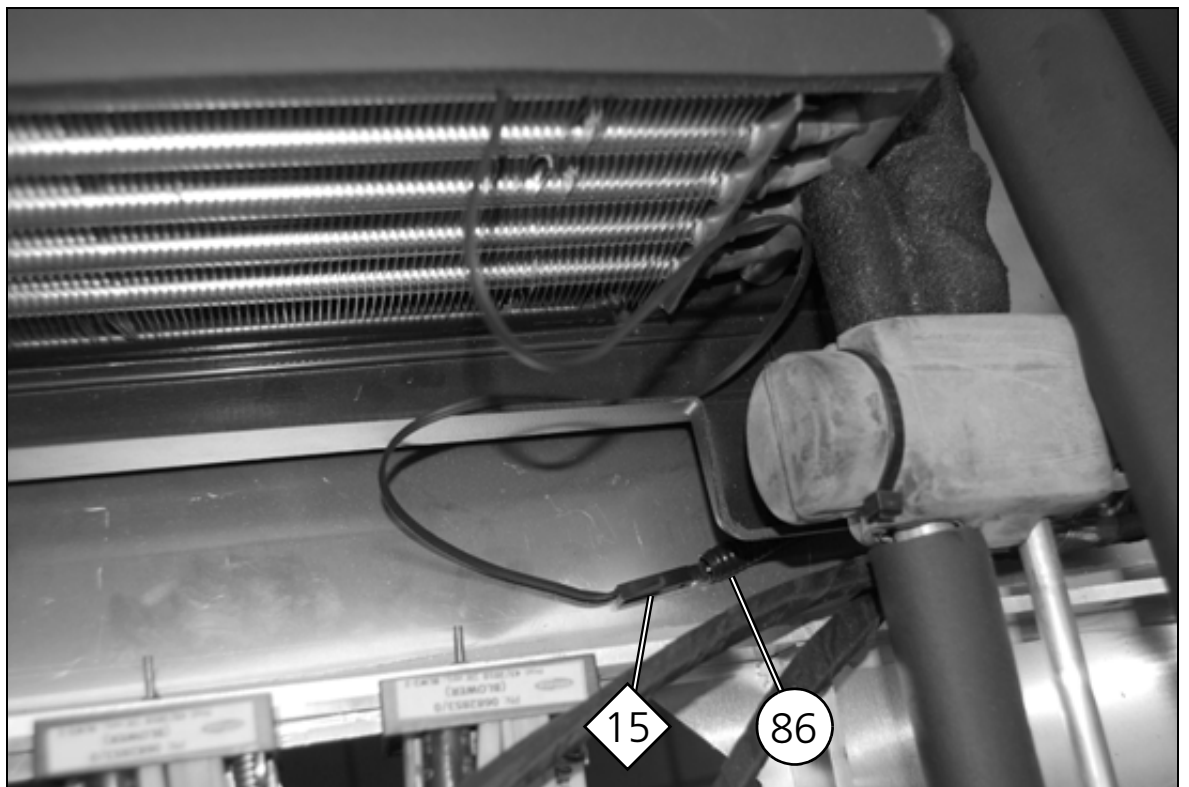


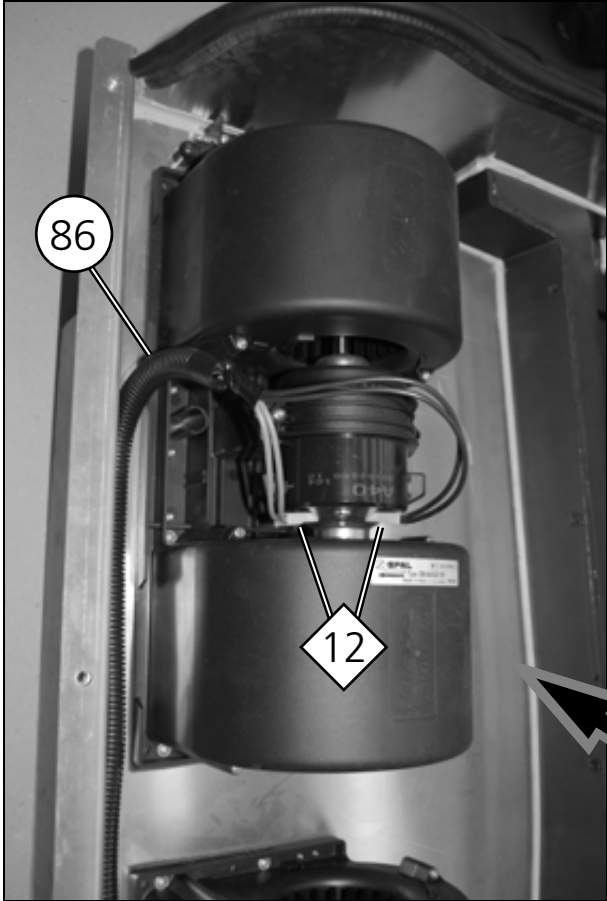


11A

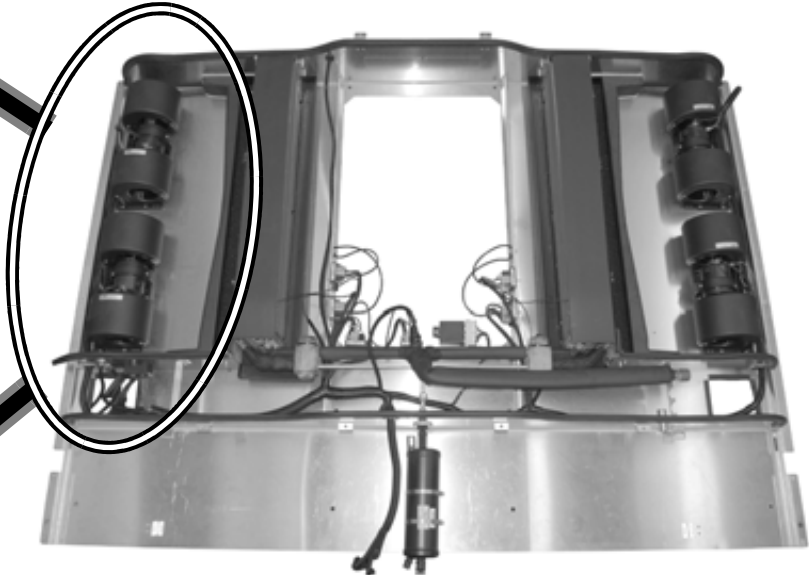


12A

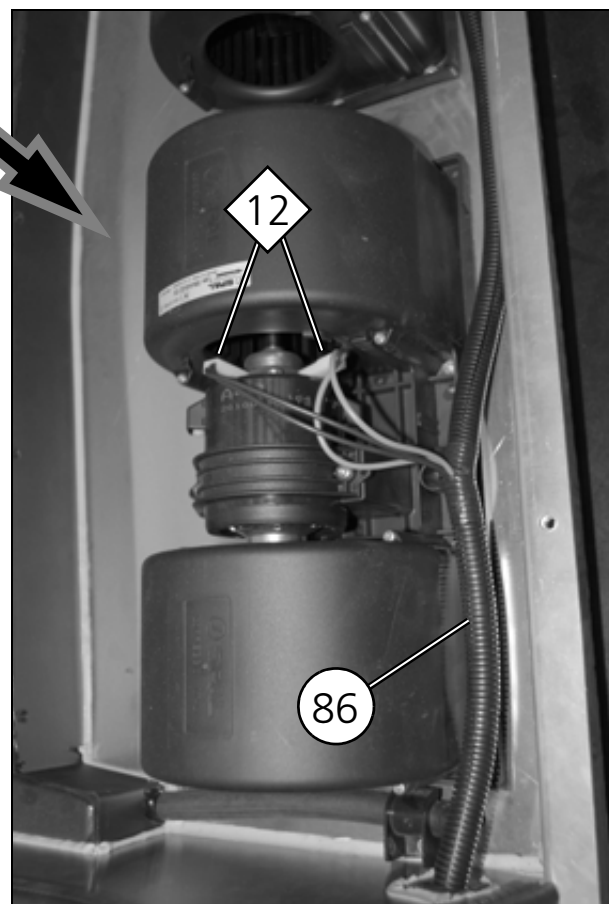
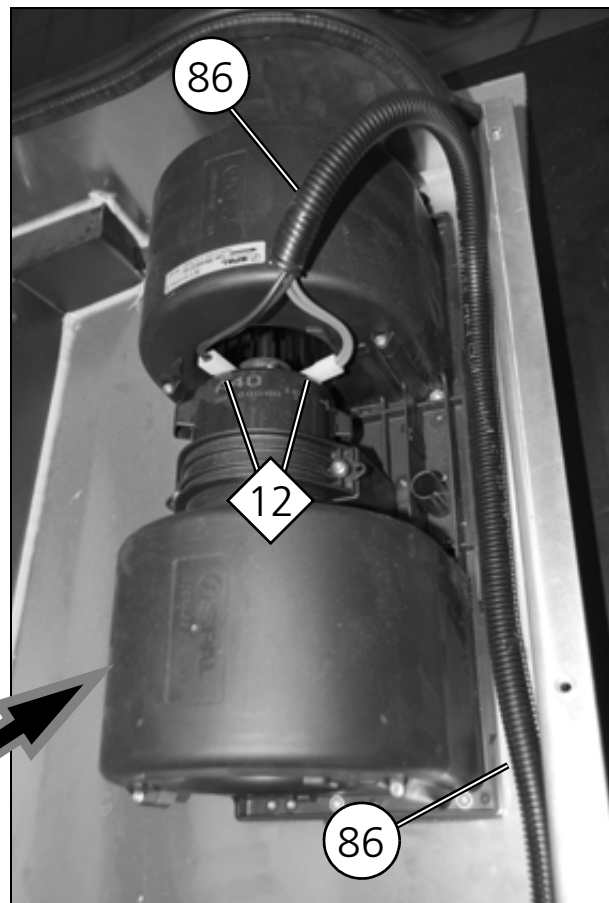
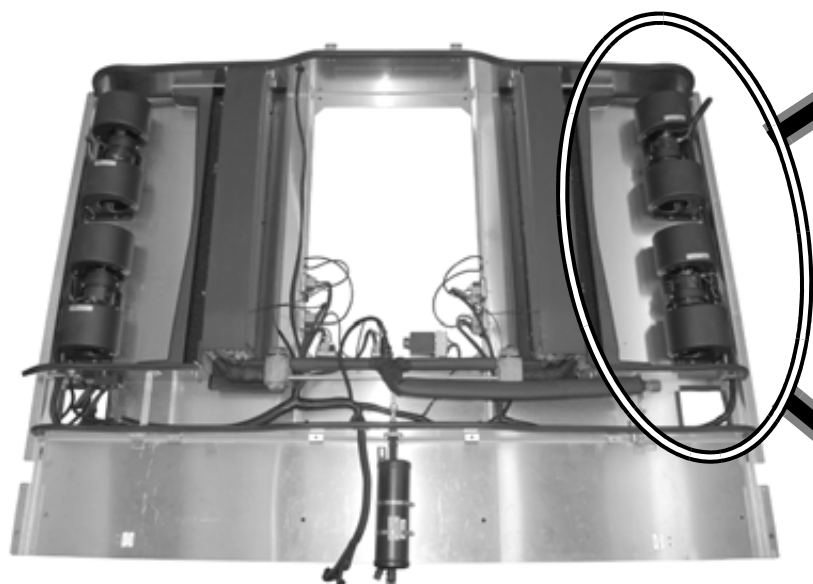




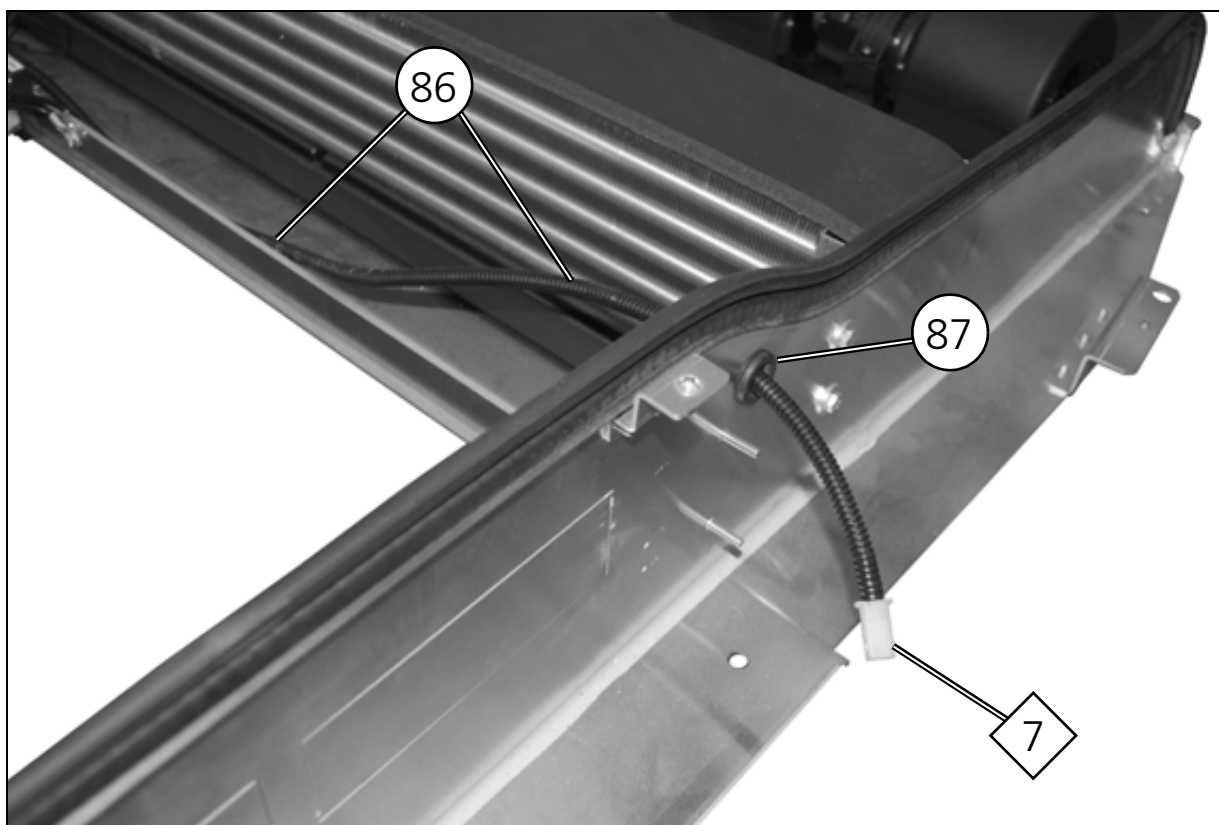
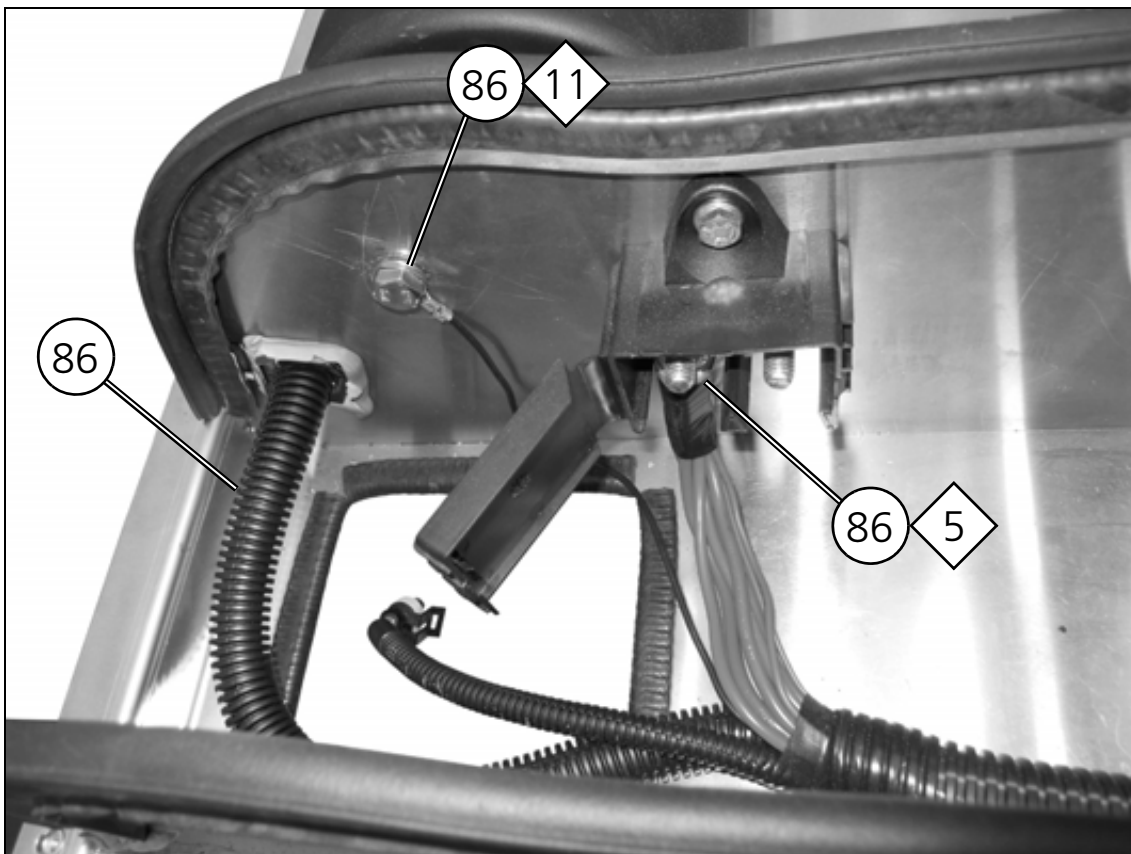
13A



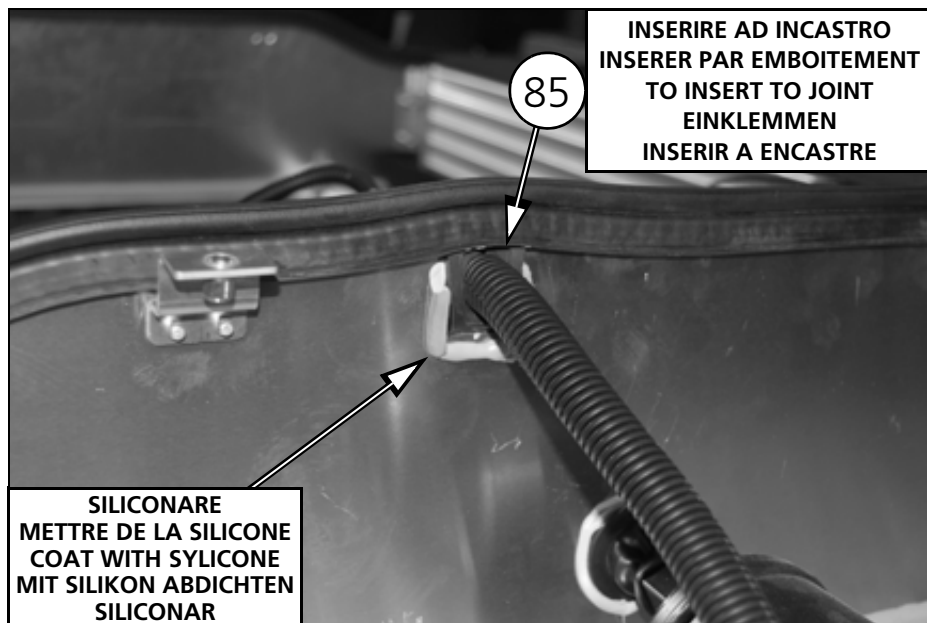
14A



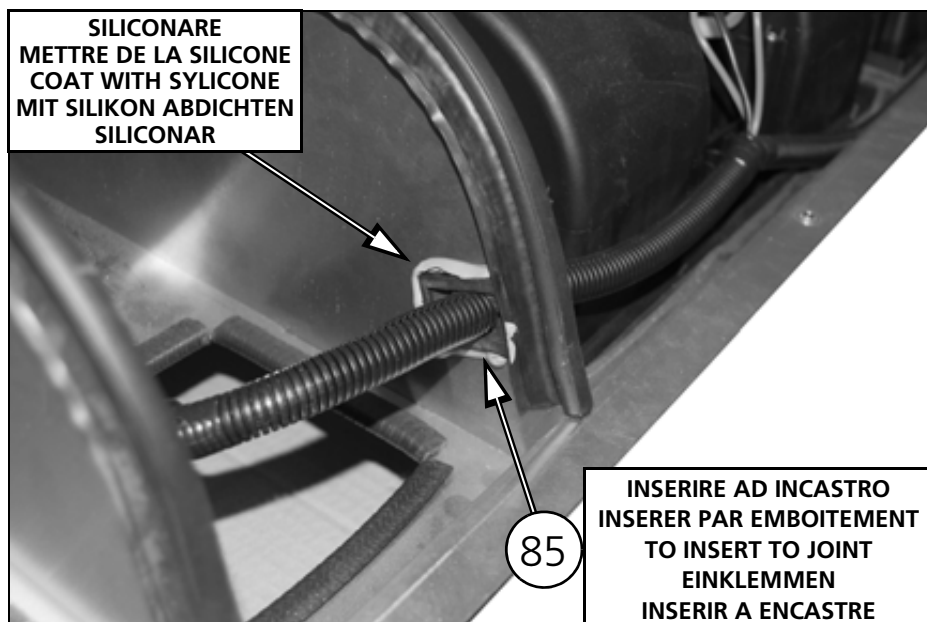
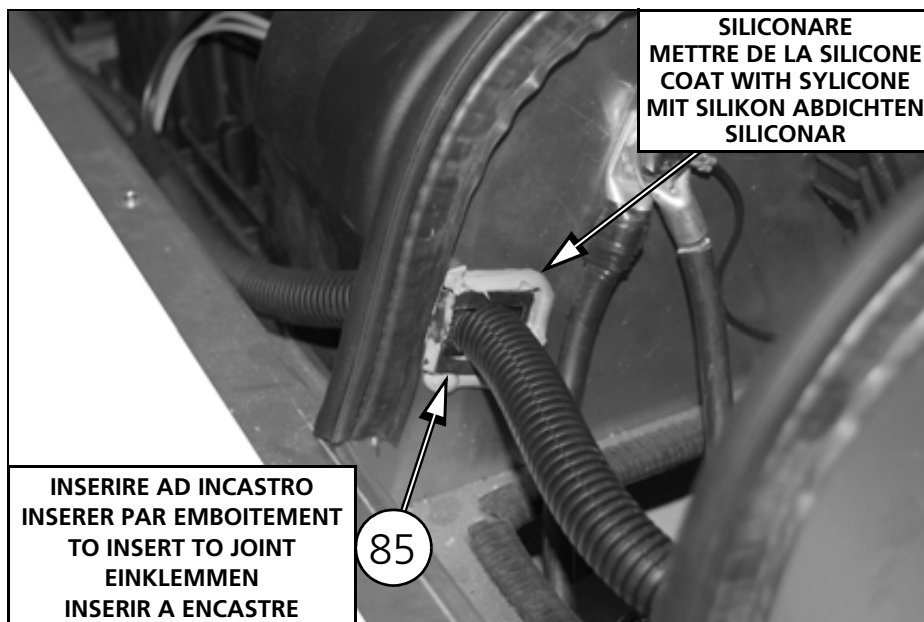
15A



16A

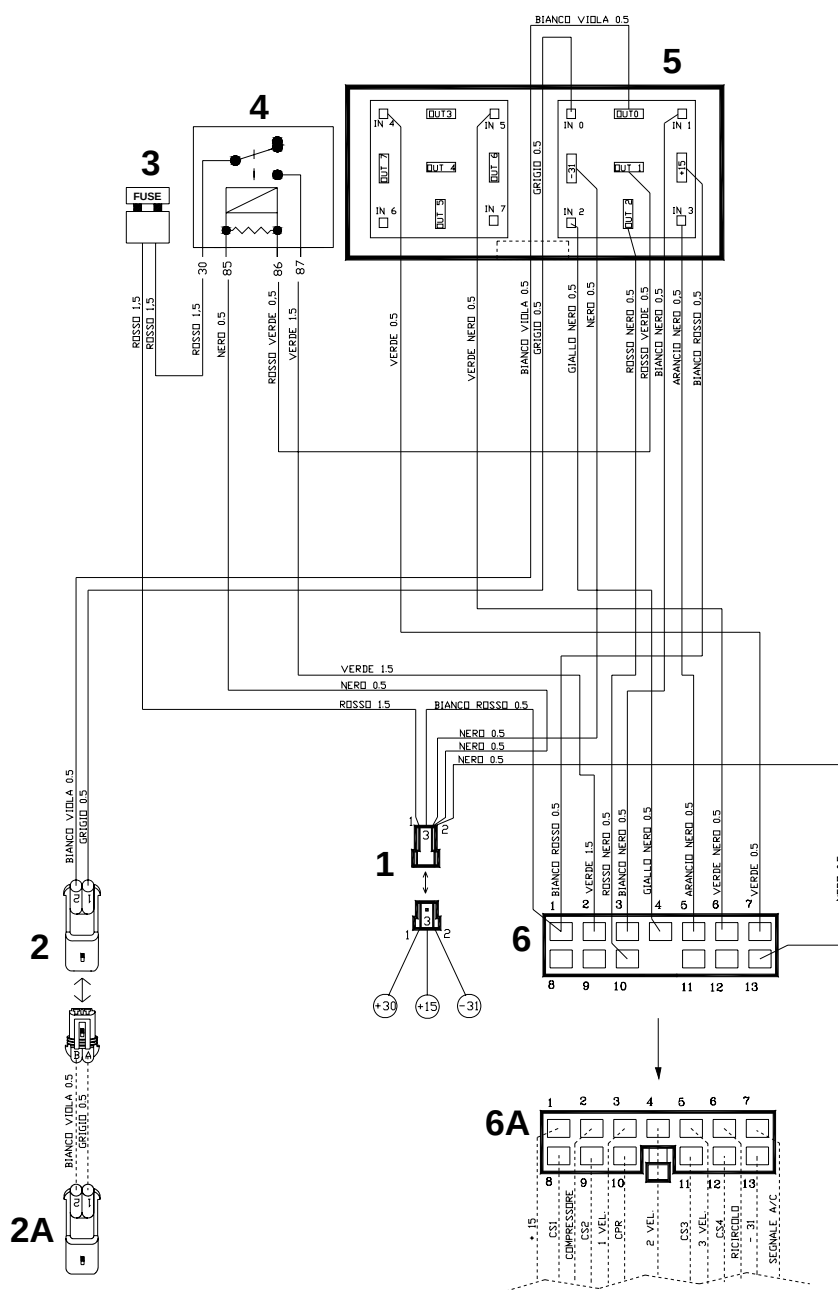


17A



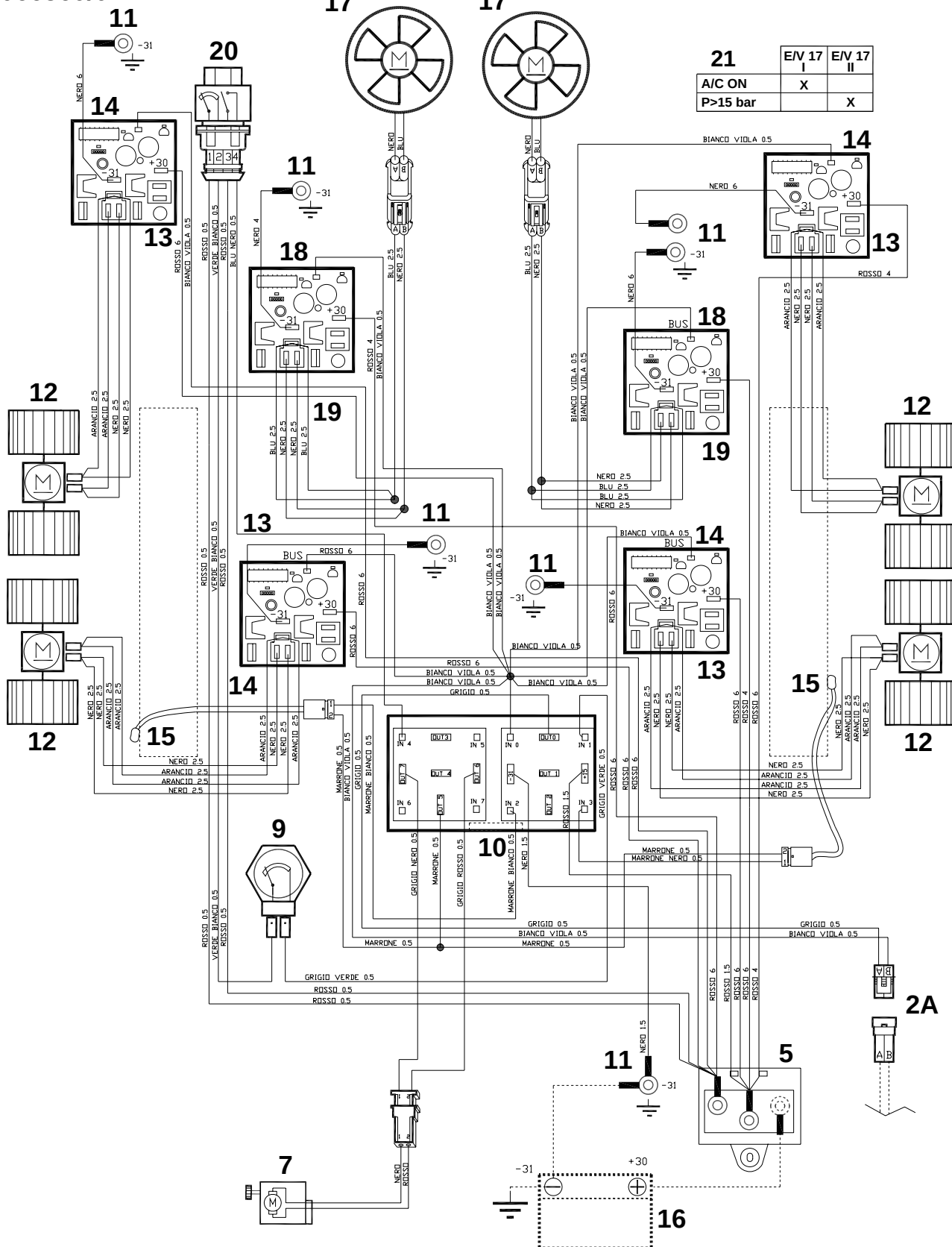
SCHEMA IMPIANTO ELETTRICO / SCHEMA DE L'INSTALLATION ELECTRIQUE / WIRING DIAGRAM
 SCHEMA DER ELEKTRISCHEN ANLAGE / ESQUEMA INSTALACION ELECTRICA
 SCHEMA DI COLLEGAMENTO LOGIC RELÈ
 SCHEMA DE BRANCHEMENT LOGIC-RELAIS / LOGIC-RELAY WIRING DIAGRAM
 SCHEMA DES LOGIC-RELAIS ANSCHLUSSES / ESQUEMA DE CONEXIÓN LOGIC-RELÈ

0282518/0

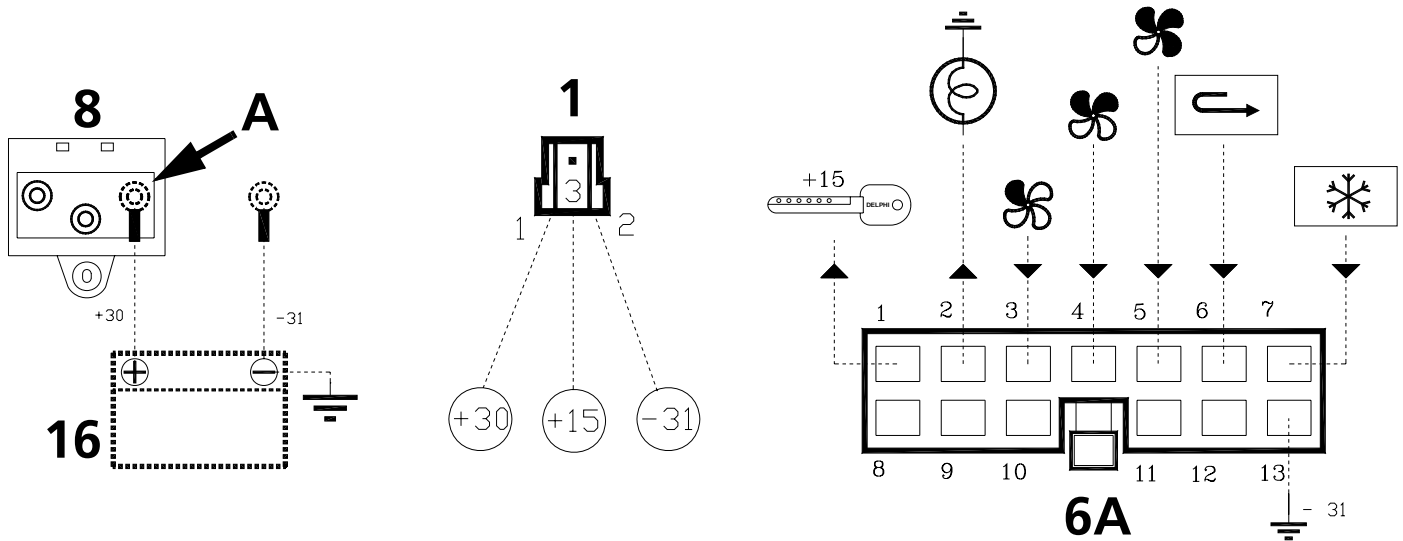


SCHEMA IMPIANTO ELETTRICO / SCHEMA DE L'INSTALLATION ELECTRIQUE / WIRING DIAGRAM
SCHEMA DER ELEKTRISCHEN ANLAGE / ESQUEMA INSTALACION ELECTRICA
GRUPPO A TETTO "SANTANA" 12V - RISANAMENTO
GROUPE A' TOIT "SANTANA" / ROOF ASSEMBLY "SANTANA"
UNIVERSALGRUPPE "SANTANA" / GRUPO DE TECHO "SANTANA"

066560/0

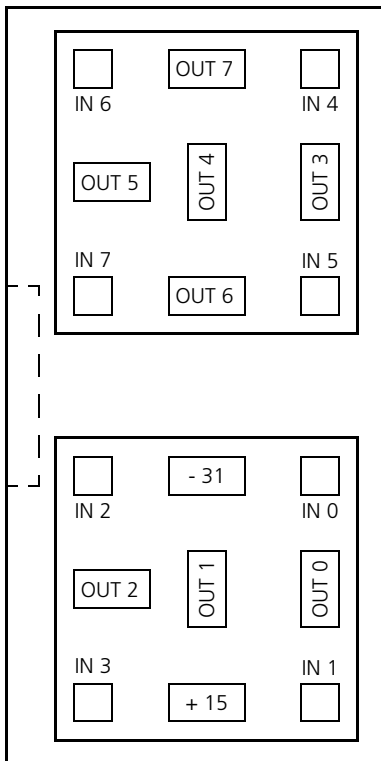


N.	Descrizione / Description / Description / Beschreibung / Descripción	Funzione / Fonction / Function Funktion / Función
1	Connettore 3 vie / Connecteur à 3 voies / 3-ways connector 3-wege-Steckverbinder / Conector 3 vías	
2	Connettore 2 vie / Connecteur à 2 voies / 2-ways connector 2-wege-Steckverbinder / Conector 2 vías	
3	Fusibile / Fusible / Fuse / Schmelzsicherung / Fusible (7,5A - 12V) (5A - 24V)	
4	Microrelè interruttore Micro-relais interrupteur Switch microrelay Mikrorelaisschalter Microrelè interruptor	Comando giunto elettromagnetico compressore Commande l'embrayage électromagnétique du compresseur Compressor electromagnetic clutch control Steuerung der elektromagnetischen Kupplung des Kompressors Comando junta electromagnética compresor
5	Logic relè	
6	Connettore 13 vie / Connecteur à 13 voies / 13-ways connector 13-wege-Steckverbinder / Conector 13 vías	
7	Assieme attuatore ricircolo Ensemble actuateur recyclage Recycle actuator assembly Umluft-Unterdrucksatz Conjunto actuador recírculo	<i>Componenti forniti a richiesta con Kit A031077</i> <i>Composants fournis à la demande avec Kit A031077</i> <i>Components supplied upon request with Kit A031077</i> <i>Auf Anfrage mit Einbausatz A031077 gelieferte Einbauteile</i> <i>Componentes suministrados con Kit A031077 bajo petición</i>
8	Punto di derivazione batteria / Point de dérivation batterie Battery connector point / Batterie-Abzweigungspunkt Punto de conexiones de la batería	
9	Pressostato "Bassa pressione" / Pressostat "Basse pression" "Low pressure" Switch / "Niederdruck" Schalter Presostato "Baja presión"	
10	Scheda "Bistabile" Unité "Bistabile" "Bistabile" unit Einheit "Bistabile" Unidad "Bistabile"	Scheda di controllo attuatore ricircolo e sensori Contrôle des senseur et actuateur du recyclage Recycling actuator and sensors electronic unit control Umluft Aktor-und Sensor-Kontrolle Unidad de control actuador recírculo y sensores
11	Punto di massa originale / Point de masse d'origine / Original ground point Original-Massepunkt / Punto de masa original	
12	Elettroventola Electroventilateur Fan Elektrolüfter Electroventilador	Raffreddamento abitacolo Refroidissement de l'habitacle Passenger compartment cooling Kühlung im Fahrzeuginnenraum Enfriamiento del habitáculo
13	Fusibile / Fusible / Fuse / Schmelzsicherung / Fusible (30A - 12V)	
14	Scheda "Blower" Unité "Blower" "Blower" unit Einheit "Blower" Unidad "Blower"	Controllo elettroventilatori n°12 Contrôle des ventilateurs électriques N ° 12 Control electric fans No. 12 Control Nr. 12 elektrische Ventilatoren Control de los ventiladores eléctricos N ° 12
15	Sonda antibirina / Sonde antigivrage / No frost sensor Abtaufühler / Sonda anti-escarcha	
16	Batteria / Batterie / Battery / Batterie / Batería	
17	Elettroventola Electroventilateur Fan Elektrolüfter Electroventilador	Raffreddamento condensatore Refroidissement condenseur Condenser cooling Kondensatorkühlung Enfriamiento condensador
18	Scheda "Fan" Unité "Fan" "Fan" unit Einheit "Fan" Unidad "Fan"	Controllo elettroventilatori n°17 Contrôle des ventilateurs électriques N ° 17 Control electric fans No. 17 Control Nr. 17 elektrische Ventilatoren Control de los ventiladores eléctricos N ° 17
19	Fusibile / Fusible / Fuse / Schmelzsicherung / Fusible (20A - 12V)	
20	Pressostato Pressostat Pressure switch Druckwächter Presostato	Protezione impianto A/C Protection équipement A/C A/C system safety device Klimaanlagen-Überlastungsschutz Protección de la instalación A/C
21	Logica funzionamento elettroventole Logique fonctionnement électroventilateurs Electric fan logic Betriebslogik der Elektrolüfter Logica funcionamiento electroventiladores	



Collegamenti / Connexions / Connections Verbindung / Conexiones		Massima corrente assorbita Courant maximum absorbé Maximum absorbed current Maximal Strom benutzt Corriente máxima absorbida
MORSETTIERA DI DERIVAZIONE BATTERIA 8 / BOÎTE À BORNES DE DÉRIVATION DE BATTERIE 8 BATTERY SHUNT TERMINAL BLOCK 8 / BATTERIEABLEITUNGSKLEMMBRETT 8 PLACA DE BORNES DE DERIVACIÓN BATERÍA 8		
A	BATTERIA / BATTERIE / BATTERY / BATTERIE / BATERÍA (+30)	110A (12V) 65A (24V)
CONNETTORE 1 / CONNECTEUR 1 / CONNECTOR 1 / STECKVERBINDER 1 / CONECTOR 1		
1	BATTERIA / BATTERIE / BATTERY / BATTERIE / BATERÍA (+30)	110A (12V) 65A (24V)
2	MASSA / MASSE / GROUND / MASSE / MASA (-31)	-
3	CHIAVE / CLÉ / KEY / SCHLÜSSEL / LLAVE (+15)	5A (12V) 3A (24V)
CONNETTORE 6A / CONNECTEUR 6A / CONNECTOR 6A / STECKVERBINDER 6A / CONECTOR 6A		
1	CHIAVE / CLÉ / KEY / SCHLÜSSEL / LLAVE (+15)	5A (12V) - 3A (24V)
2	COMPRESSORE / COMPRESSEUR / COMPRESSOR / KOMPRESSOR / COMPRESOR	-
3	ATTENZIONE: Funzionamento con segnale negativo ATTENTION: Fonctionnant avec signal négatif WARNING: Operating with negative signal ACHTUNG: Funktionieren mit negativem Signal ATENCIÓN: Funcionamiento con señal negativa	
4		
5		
6		
7		

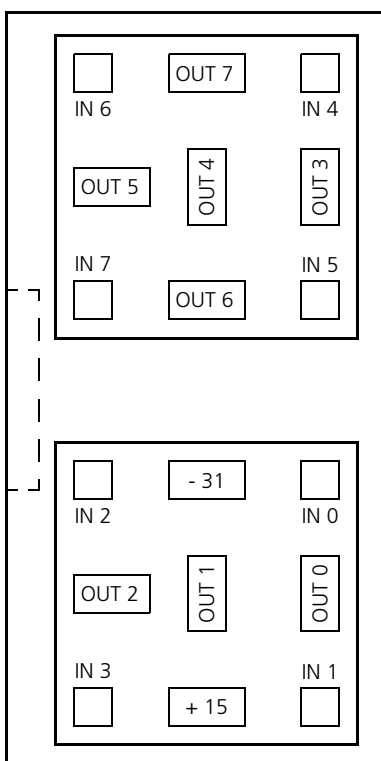
LOGIC RELAY (5)
Cod. 0682855/0



IN		
0	DIGITAL	BUS IN
1	DIGITAL	
2	DIGITAL	
3	DIGITAL	
4	DIGITAL	
5	DIGITAL	
6		
7		

OUT		
0	DIGITAL	BUS OUT
1	DIGITAL	
2	DIGITAL	CPR ALARM
3		
4		
5		
6		
7		

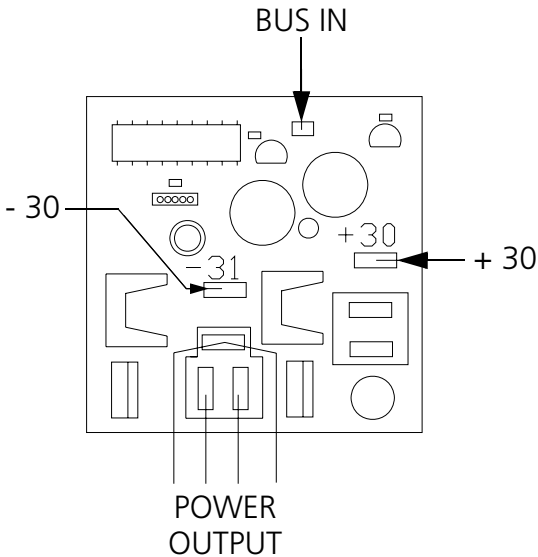
BISTABILE (10)
Cod. 0682854/0



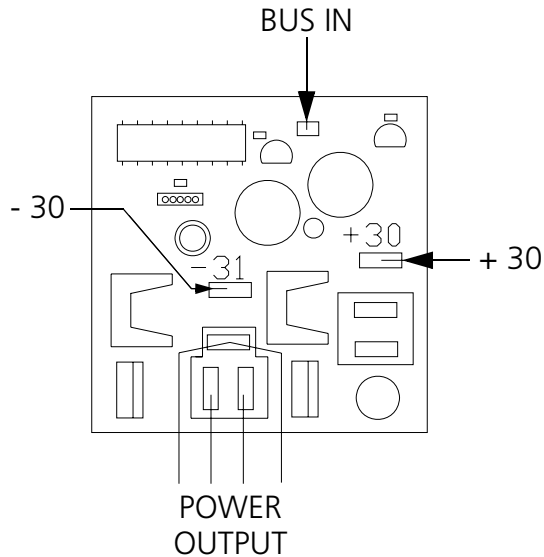
IN		
0	DIGITAL	BUS IN
1	DIGITAL	2 < P < 30 bar PRESSURE SWITCH
2	ANALOGIC	TEMP PROBE (NTC 1)
3	ANALOGIC	TEMP PROBE (NTC 2)
4	DIGITAL	P > 16 bar PRESSURE SWITCH
5		
6		
7		

OUT		
0	DIGITAL	BUS OUT
1		
2		
3		
4		
5	+ 5 Vcc	VOLTAGE TO PROBES (NTC)
6	DIGITAL	
7	DIGITAL	

BLOWER (14)
Cod. 0682853/0



FAN (18)
Cod. 0682852/0



(I)
N.B.:
Le parti in tratteggio rappresentano componenti dell'impianto elettrico originale.

(F)
N.B.:
Les parties hachurées représentent des composants du faisceau électrique d'origine.

(GB)
N.B.:
The dashed parts represent components of the original electric system.

(D)
N.B.:
Die gestrichelten Teile stellen Bauteile der ursprünglichen Anlage dar.

(E)
N.B.:
Les partes discontinuas representan componentes de la instalación eléctrica original.

ITALIANO	FRANCAIS	ENGLISH	DEUTSCH	ESPAÑOL
Arancio	Orange	Orange	Orange	Naranja
Azzurro	D'azur	Light blue	Hellblau	Azul
Bianco	Blanc	White	Weiss	Blanco
Blu	Bleu	Blue	Blau	Turquí
Giallo	Jaune	Yellow	Gelb	Amarillo
Grigio	Gris	Gray	Grau	Gris
Marrone	Marron	Brown	Braun	Marron
Nero	Noir	Black	Schwarz	Negro
Rosa	Rose	Pink	Rosa	Rosa
Rosso	Rouge	Red	Rot	Rojo
Verde	Vert	Green	Grün	Verde
Viola	Violet	Violet	Violett	Violado

(I)

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(D)

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