

bycool!
*green line***COMPACT 3.0****RENAULT****Instrucciones de Montaje***Mounting Instructions***Instructions de Montage***Montageanweisungen***Istruzioni di Montaggio****ES** Spanish**EN** English**FR** French**GE** German**IT** Italian

Recomendaciones Para el montaje

- Antes de iniciar el montaje leer las instrucciones y seguirlas durante el proceso de instalación.
- Usar las herramientas adecuadas para cada operación.

Electricidad

- Desconectar la llave de contacto.
- Desconectar la batería antes de empezar el montaje.
- Asegurar el conexionado de los componentes eléctricos, verificando su correcto encaje.



Atención

Si durante el montaje el equipo se inclina ó se abate la cabina con el equipo montado, se deberá esperar un mínimo de 60 minutos, desde que el equipo quede horizontal, antes de ponerlo en marcha.



Atención

Al instalar el equipo de aire acondicionado en el techo se debe proteger la parte superior de la cabina con un paño ó manta protectora para evitar posibles arañazos. Al instalar **Compact** en el techo hay que tener en cuenta que, normalmente, las cabinas que vienen provistas de escotilla, tienen una estructura suficiente para soportar el peso del equipo. Sin embargo, cuando no ocurra así y sea necesario realizar corte en el techo ó incluso si en el caso de llevar escotilla el material no es lo suficientemente resistente (caso de techo de fibra, plástico, etc...) es el instalador el que debe decidir, **bajo su responsabilidad**, sobre la necesidad de reforzar el techo para evitar posibles deformaciones, roturas, entradas de agua, etc... habilitando los medios para que esto no ocurra.

Herramientas

Juego de Llaves Torx

Juego de Llaves Allen

Llave fija 10, 13, 14

Tijeras

Flexómetro

Documentación incluida

Instrucciones de montaje 220.AA6.0901

Manual del usuario 220.AA6.0057

Diagnosis de averías 220.AA6.0058

Garantía 220.AA1.0017

Simbología



Frágil



Atención corte!



Riesgo eléctrico



Advertencias



El personal instalador debe poseer una formación suficiente en Aire Acondicionado de vehículos.



dirna Bergstrom, s.l. queda exenta de responsabilidad si se producen averías que procedan de una inadecuada manipulación ó instalación del equipo, ó por modificaciones y sustituciones efectuadas sin nuestra expresa autorización por escrito.



Equipo precargado con gas refrigerante R-134a. **(No manipular el circuito de gas refrigerante).**



Véase **procedimiento de garantía** del producto incluido en **Diagnosis de Averías**.



Véase **Manual de Usuario** del equipo para el correcto funcionamiento del mando a distancia y del panel de control.



Al finalizar la instalación se debe entregar al usuario: **Manual del Usuario, Garantía y Diagnosis de averías.**



Antes de empezar con el montaje, montar rejilla entrada aire delantera.



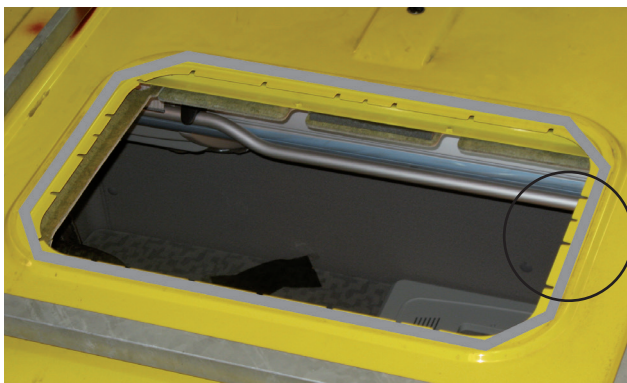
1

Desmontar tapa escotilla, los elementos de fijación y entregar al cliente.



2

Quitar los residuos sobrantes adheridos al techo antes de pegar la junta EPDM.



3

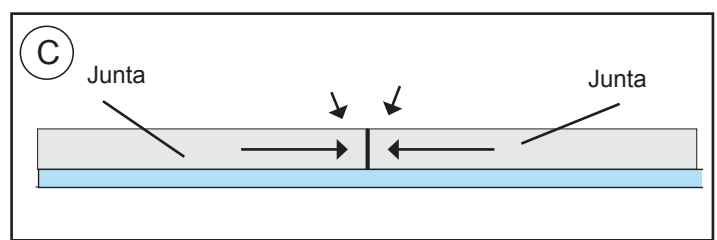
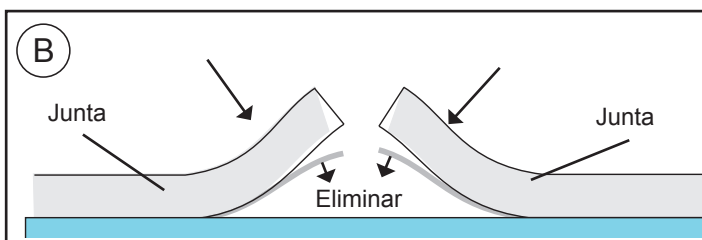
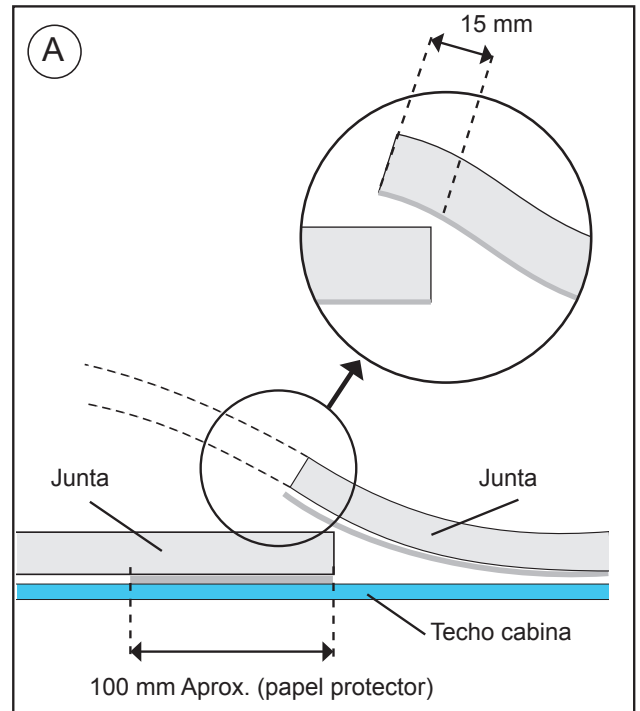
Pegue la junta EPDM alrededor del resalte del hueco de la escotilla (mirar el detalle para cortar los bordes finales de unión de la junta).





COMO CORTAR LA JUNTA EPDM PARA EVITAR FILTRACIÓN DE AGUA EN LA CABINA

- A- Pegar la junta, manteniendo 100 mm de papel protector por cada lado.
- B- Quitar los dos piezas de papel.
- C- Pegue presionado ambos finales.

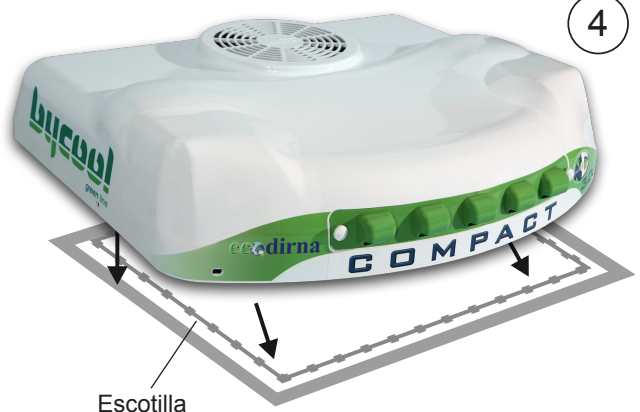


4

EXTERIOR CABINA:

Posicionar el Compact en el hueco de la escotilla.

¡Atención! Al colocar el equipo encima del hueco escotilla, revisar que las salidas de desagüe no queden obstruidas por la junta EPDM.



5

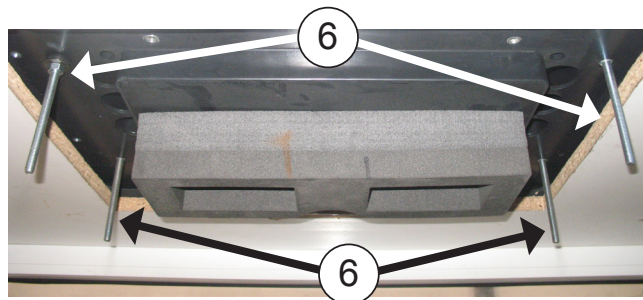
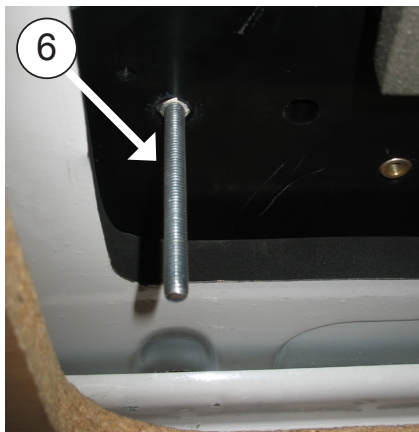
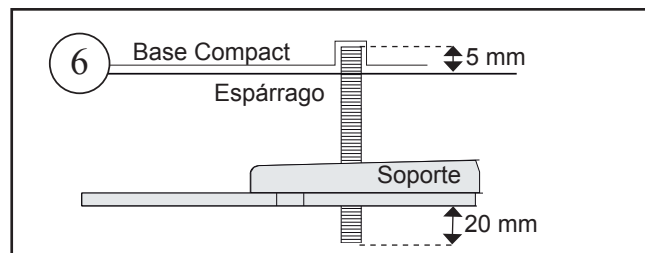
Colocar canalizador gomaespuma quedando la parte más blanda en la base del equipo.



6

INTERIOR CABINA:

Roscar 5 mm aproximadamente (4) espárragos 8/125x100-70 ó 120, la medida se elegirá tras presentar los soportes de sujeción y teniendo en cuenta que los espárragos deben sobresalir de los mismos por la parte inferior unos 20 mm.

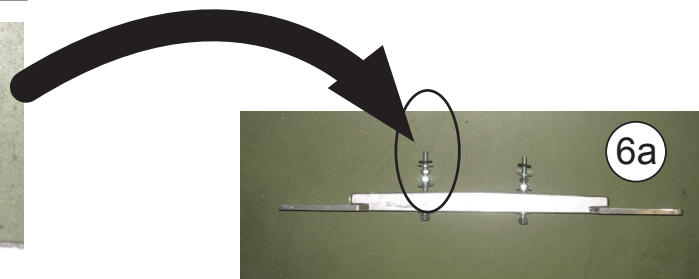
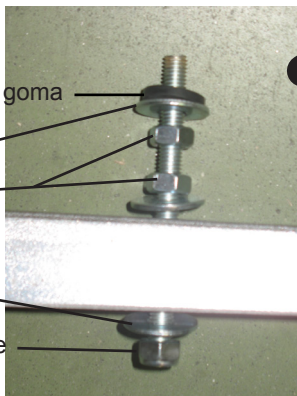


PARA RENAULT PREMIUN:

6a

Colocar esparragos M8x100 como se indica en ambos soportes

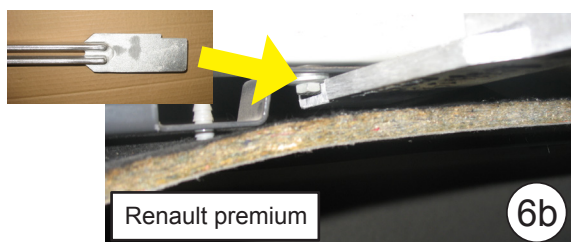
Arandela de goma
Arandela plana $\varnothing 8$
Tuerca M8
Arandela plana $\varnothing 8$
Tuerca M8 autoblocante



PARA RENAULT PREMIUN:

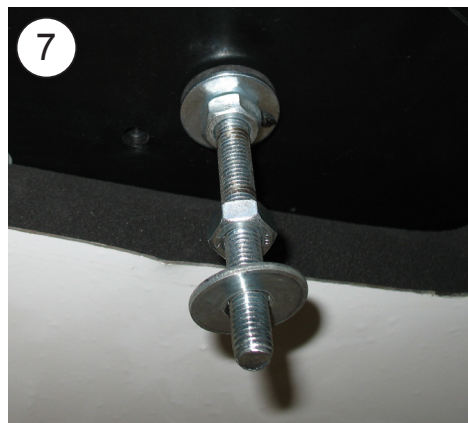
6b

Montar conjunto en equipo con ranuras hacia la parte interior para librar los tornillos de los soportes de sujeción del tapizado.



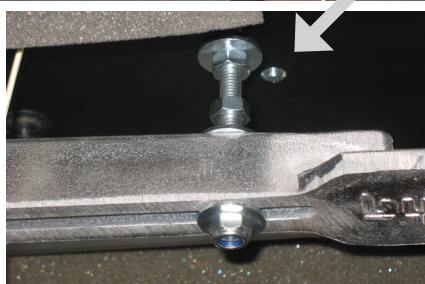
7

Colocar (1) arandela Ø 7 de goma, (1) arandela plana Ø 8 ala ancha, (2) tuerca M8 y (1) arandela plana Ø 8 ala ancha , en cada uno de los espárragos anteriores; siguiendo dicho orden.



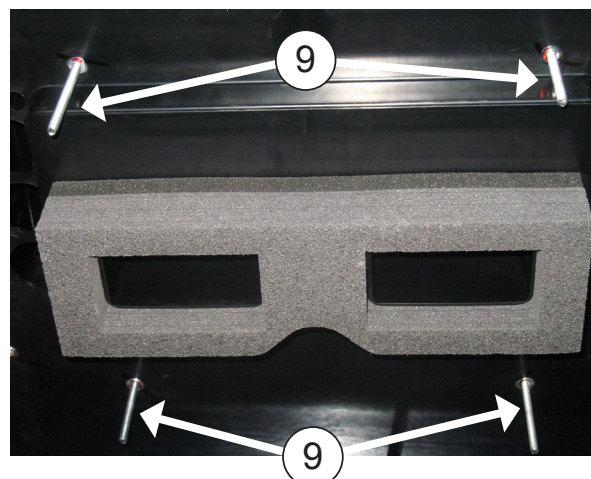
8

Colocar (2) soportes sujeción, con (1) arandela y (1) tuerca autoblocante M8, **sin llegar a apretar.**



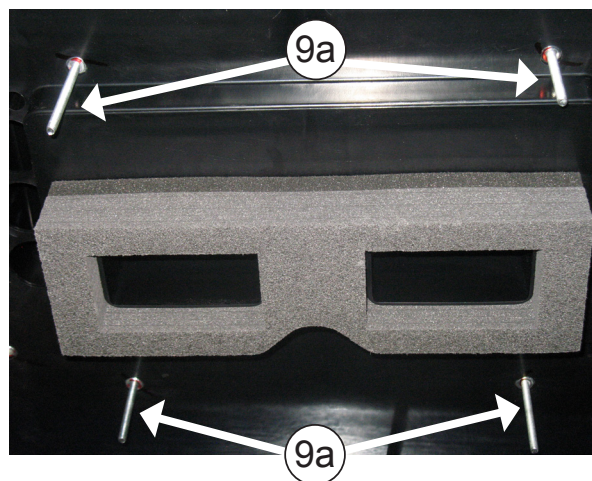
9

Roscar 10 mm (4) espárragos M6, donde se indica, según distancia (D) del esquema del punto 18.

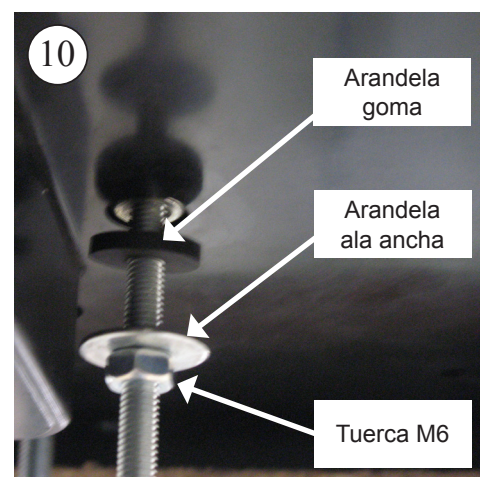


PARA RENAULT PREMIUN:**9a**

Roscar hasta hacer tope los espárragos M6x80

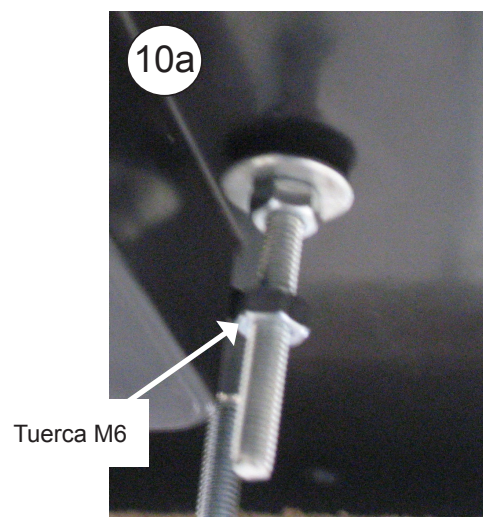
**10**

Colocar (1) arandela Ø6 de goma, (1) arandela plana Ø6 ala ancha y (1) tuerca M6, sobre cada uno de los espárragos de M6. A continuación apretar la tuerca hasta que la arandela de goma quede un poco oprimida.



10a

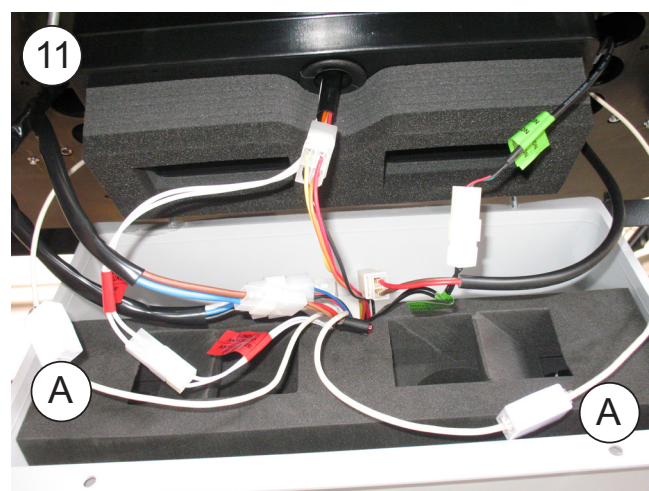
Colocar (1) tuerca M6 **sin apretar** en cada espárrago.



11

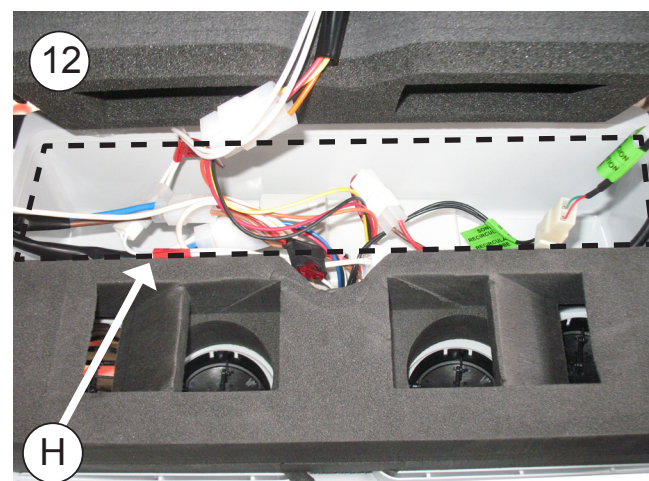
Conectar (2) cables de comunicación (A), las (2) cajas de 4 vías y (4) de 2 vías; del frente con las del **Compact**.

Tener en cuenta que la caja de 2 vías marcada con cables blancos se une al conector con cables blancos que sale por la parte central del equipo.

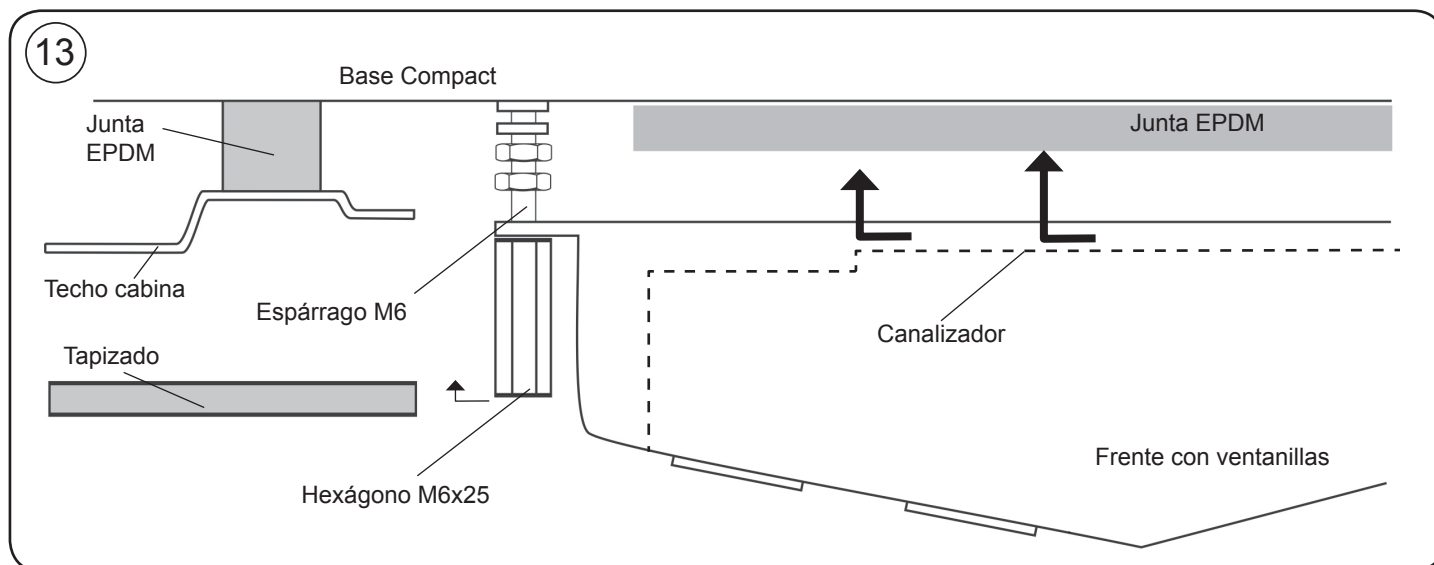


12

Introducir cableados en el hueco existente (H) en el frente para no interferir en el ajuste de los canalizadores con la base del equipo.



- 13** Colocar frente en los espárragos anteriores con un separador hexagonal M6x25 en cada espárrago.

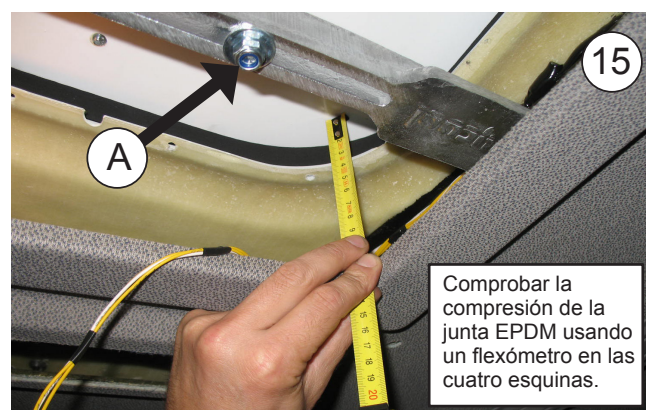


- 14** Presentar consola y centrar el equipo en el sitio más conveniente del techo de la cabina. Una vez centrado quitar consola.

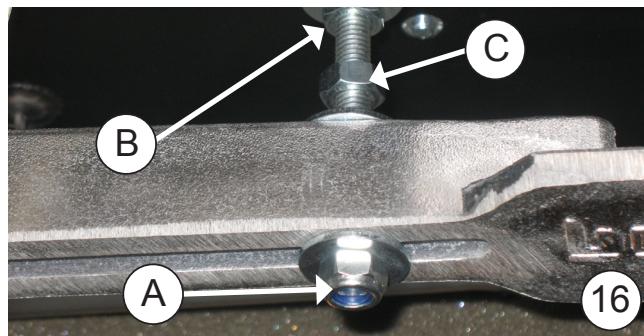
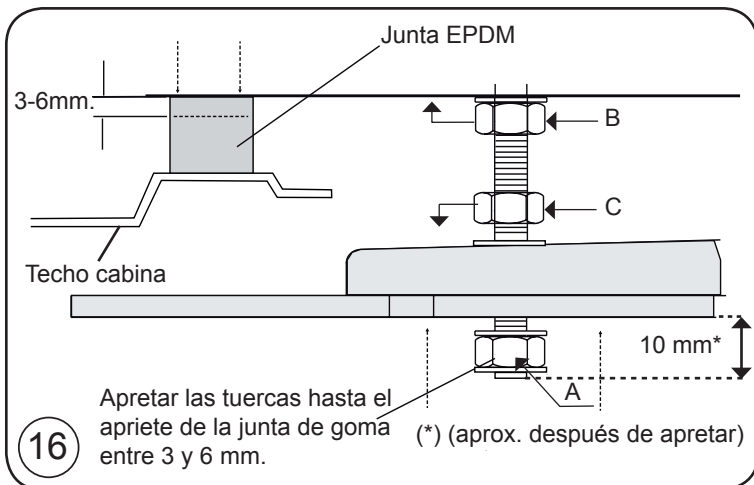


- 15** Fijar los soportes de sujeción apretando las tuercas A hasta el apriete de la junta de EPDM exterior (Punto 3) del equipo entre 3 y 6mm.

Importante: Para evitar posibles filtraciones de agua al interior de la cabina se debe asegurar el apriete de la junta EPDM con la base del **Compact** tal y como se indica en el **esquema**. (sig. Pagina).



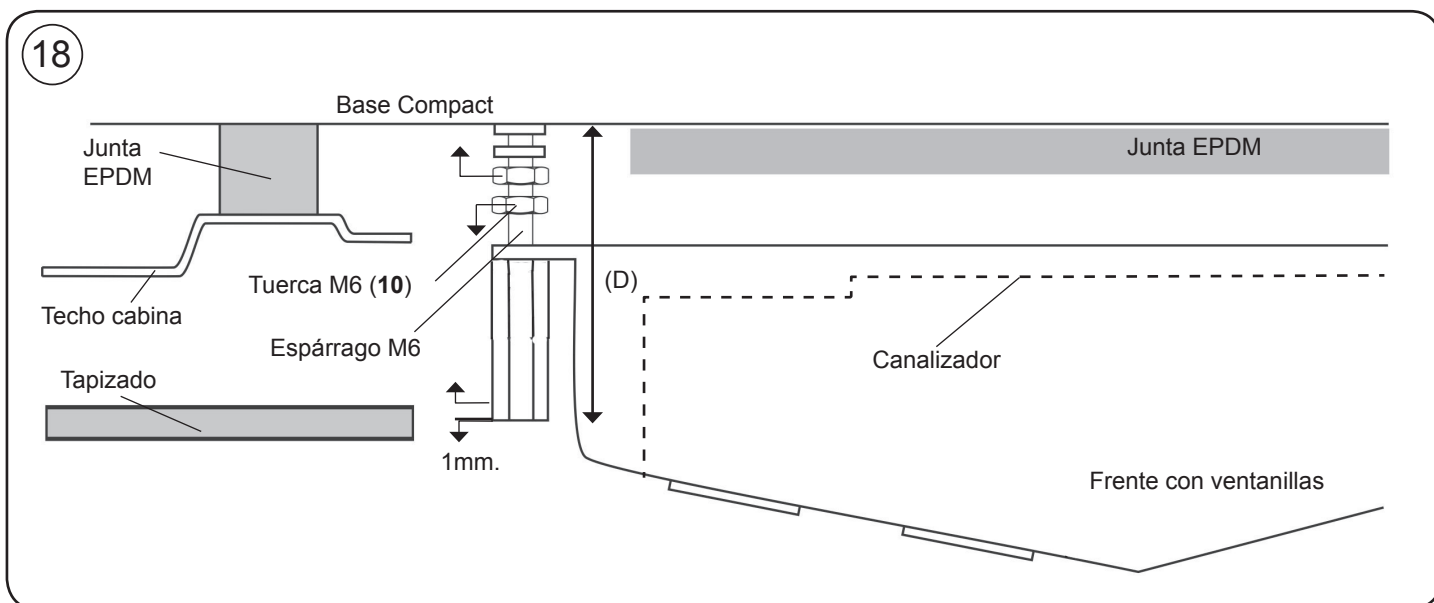
- 16** Apretar (4) tuercas M8 (**B**) a la base y (4) las (**C**) al soporte.



- 17** Apretar hexagonos hasta que los canalizadores ajusten entre sí.

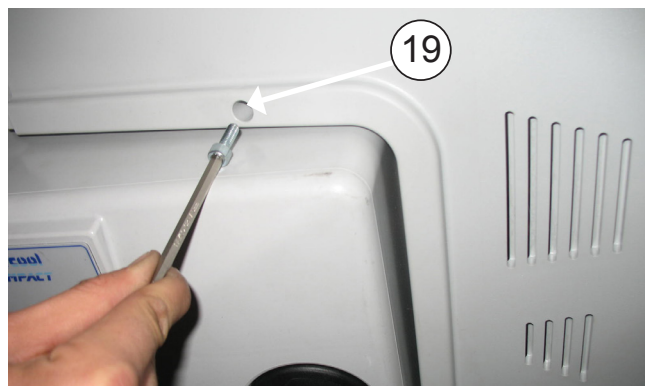


- 18** Apretar tuerca del punto 10 hasta hacer tope con la parte superior del frente.



19

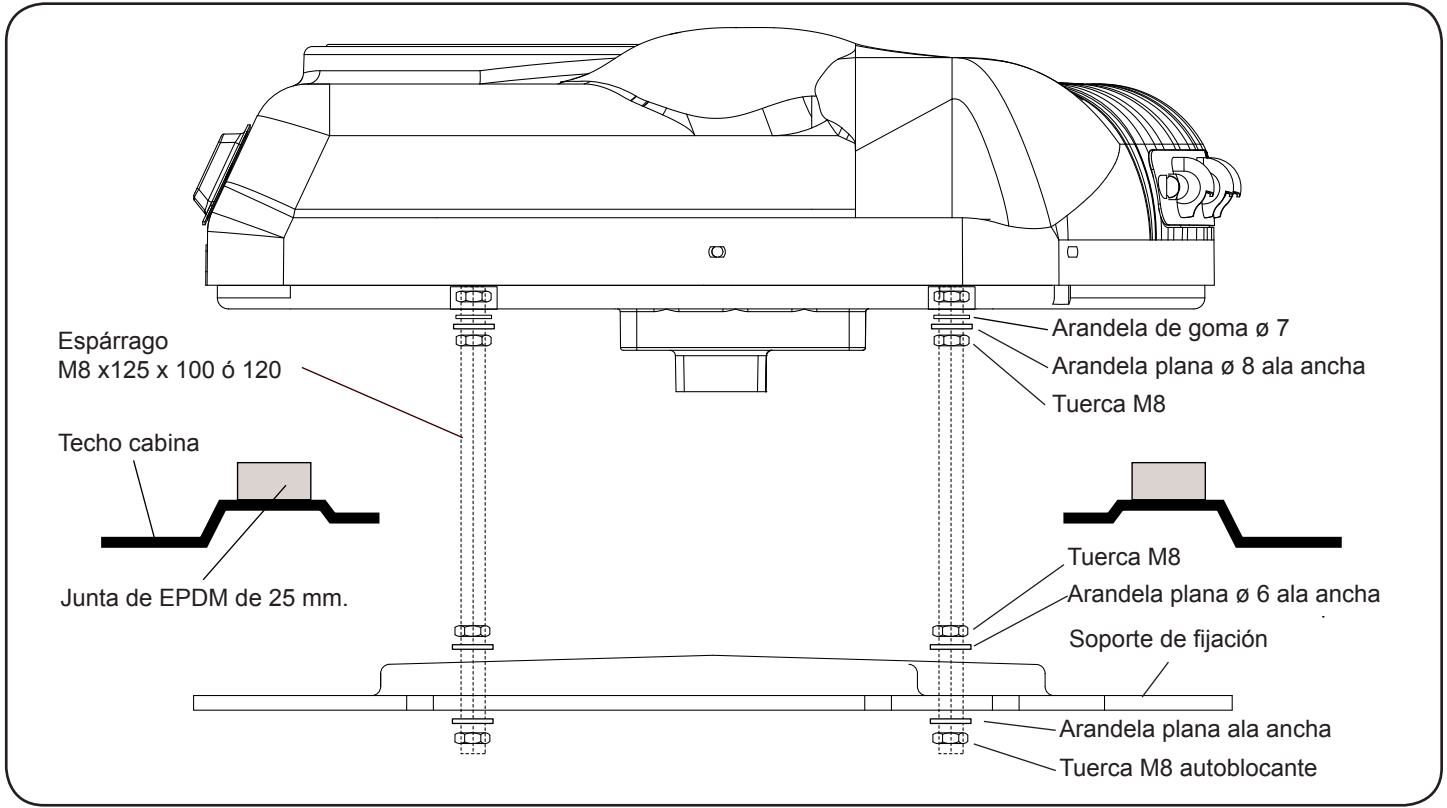
Colocar la consola con (4) tornillos M6/100x15 allen.

**20**

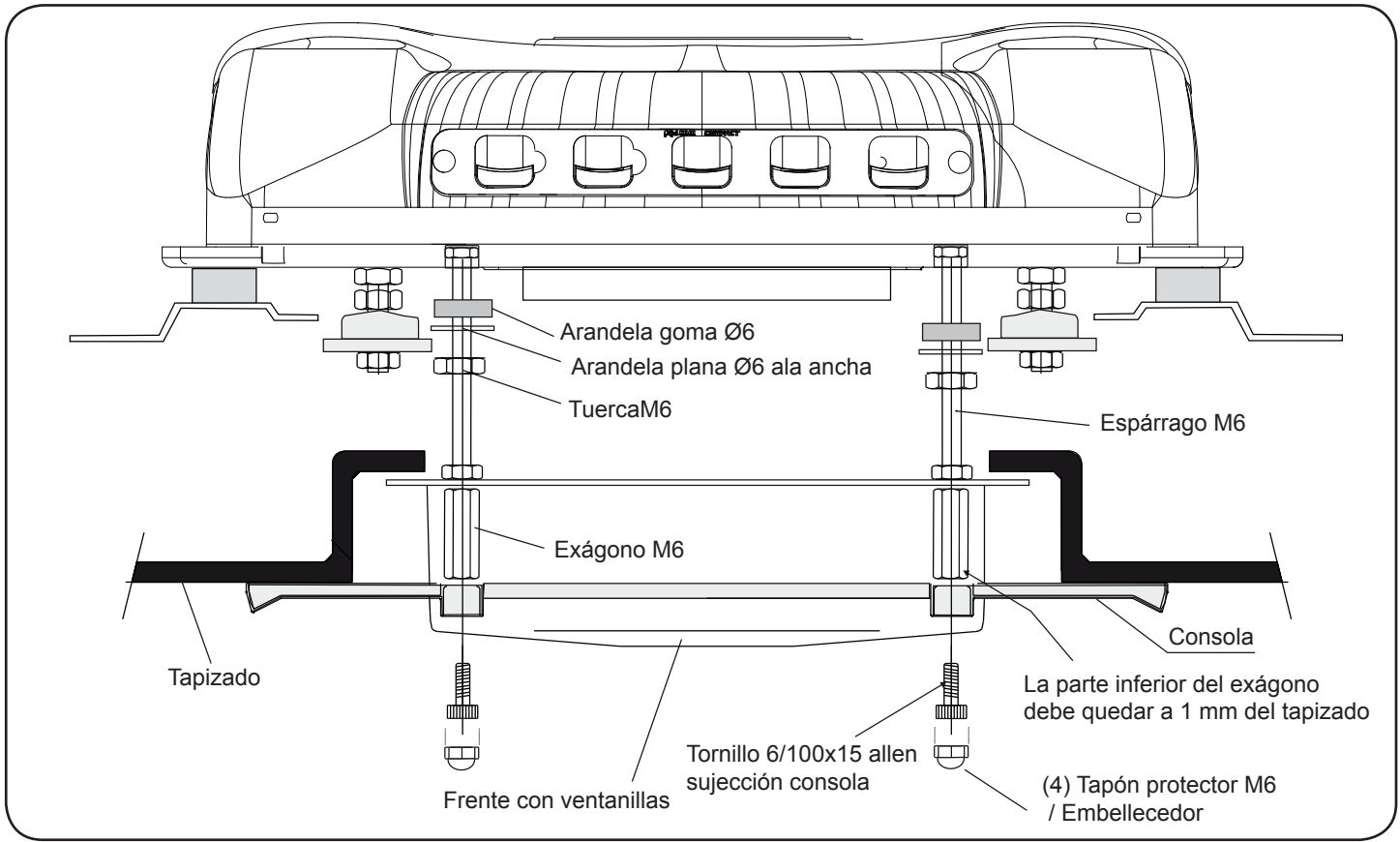
Cubrir los (4) tornillos M6/100x15 allen con los embellecedores redondos de M6 de plástico.

**20**

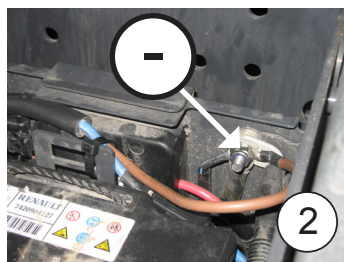
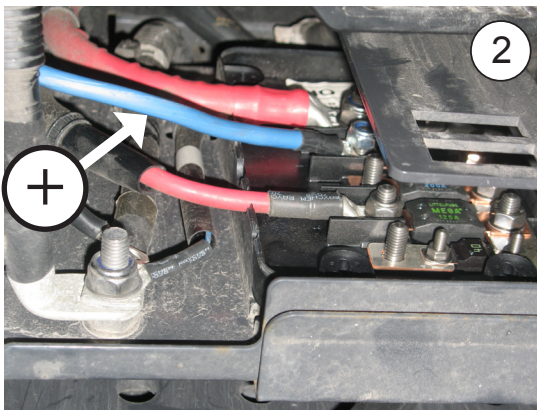
Vista explosionada hasta la fijación de los soportes



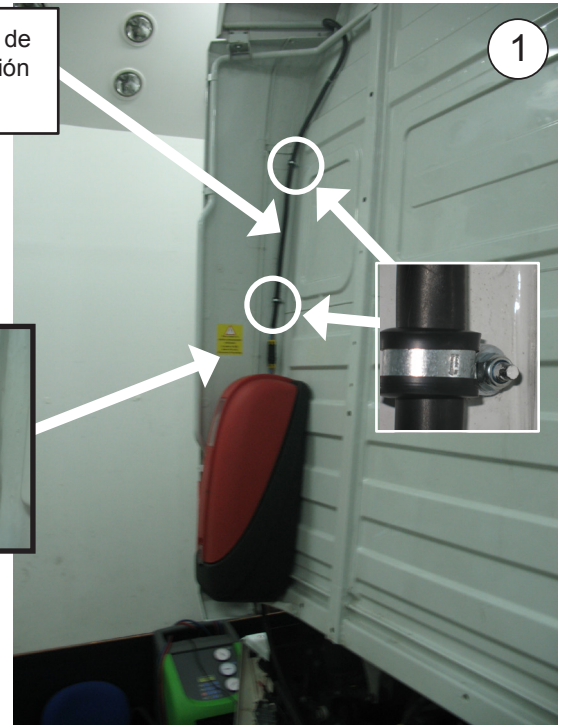
Vista explosionada hasta la fijación de las consolas



Instrucciones detalladas sobre la instalación del cableado de alimentación



Cableado de alimentación superior

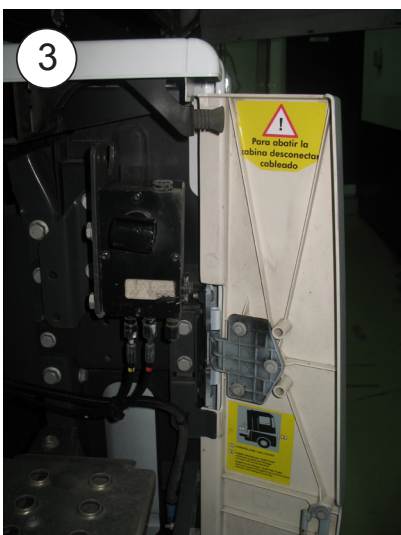


- 1- Conectar el cable de alimentación superior en la parte trasera del equipo y llevarlo por la parte posterior de la cabina pegando los soportes de plástico y fijándolo c/bridas y c/abrazaderas y tuercas a tornillos originales.
- 2- Conectar cable de alimentación inferior en Caja de fusibles el + y en el centro de masas el - como se indica, llevándolo por el paso de cableados original, sujeto c/bridas, hacia la parte posterior de la cabina, para conectar con el cable de alimentación superior.

¡AL CONECTAR LOS CABLEADOS ,DEJAR LA DISTANCIA ADECUADA ,PARA EVITAR SU ROTURA POR LOS MOVIMIENTOS DE LA CABINA!

IMPORTANTE: Debido al complejo sistema de regulación electrónica del equipo, la toma de corriente debe realizarse directamente a la batería del vehículo.

IMPORTANTE: Para la puesta en marcha consultar el Manual del Usuario.



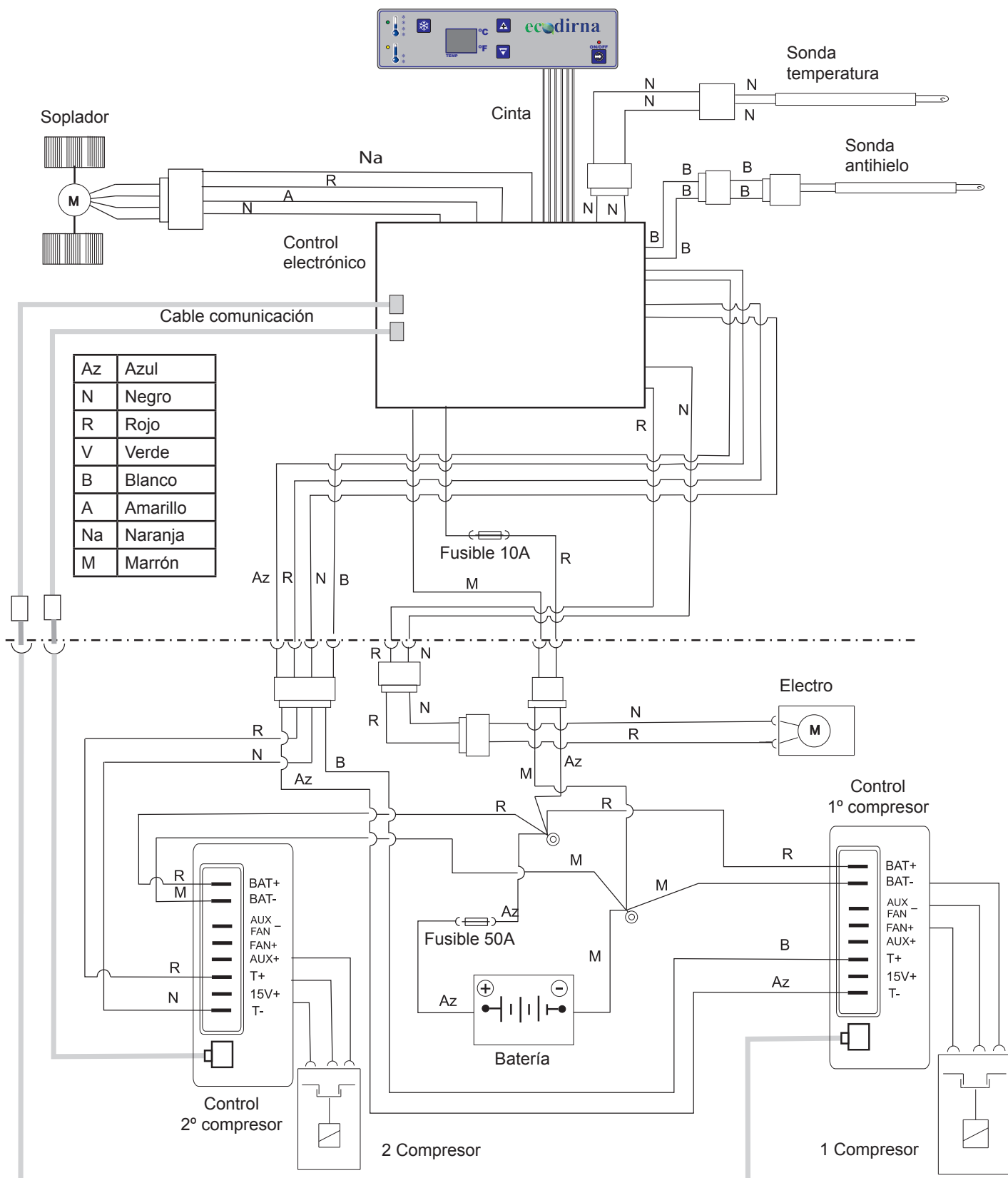
- 3- Colocar adhesivos de peligro en unión de cableado y en dispositivo de elevación de cabina.



Esquema eléctrico

¡AVISO IMPORTANTE!

Precaución de no invertir las polaridades al conectar la alimentación en el equipo. Si esto sucediera la placa no se encenderá, **el equipo no funcionará y se producirán daños irreparables** en los módulos de los compresores.



Assembly Recommendations

- Before starting assembly, please read instructions and follow them during installation process.
- Use the adequate tools for each operation.

Electricity

- Disconnect ignition key.
- Disconnect battery before starting assembly.
- Make sure electric components are securely connected, checking their correct fitting.

Warning

If the unit slants during assembly, wait for at least 60 minutes with the unit in horizontal position before starting it up.

Warning

When installing air conditioning equipment on roof, the upper cabin part must be protected with a cloth or a protective blanket to avoid possible scratches. When installing **Compact** on roof, take into account that, normally, cabins equipped with a hatch have a strong enough structure to hold equipment weight. However, if it is not the case and it is necessary to carry out a cut in the roof or, although it has a hatch, the material is not resistant enough (*if roof is made of fibre, plastic, etc...*), it is the installer who will have to decide, under his responsibility, if it is necessary to reinforce the roof to avoid possible deformations, breaks, water entries, etc., habilitating the means required to stop it from occurring.

Tools

Torx wrenches set
 Allen wrenches set
 Open-jawed spanner 10, 13, 14
 Scissors
 Flexo-meter

Documentation included

Mounting instructions	220.AA6.0901
User's guide	220.AA6.0057
Troubleshooting	220.AA6.0058
Warranty	220.AA1.0017

Symbology



Fragile



Beware of cuts!



Electrical hazard

Warnings

-  The installing personnel must have a sufficient training in vehicles air conditioning.
-  **dirna Bergstrom, s.l.** shall not be responsible for breakdowns or damages coming from an inadequate handling or installation of the equipment or from modifications and substitutions carried out without our express and written authorisation.
-  **Equipment pre-charged with refrigerating gas. (Do not handle refrigerating gas circuit).**
-  Please see product **warranty procedure** included in **Troubleshooting**.
-  Please see equipment **User's Guide** for its correct functioning of the remote control and control panel.
-  Once installation is finished, the following documents must be handed over to the user: **User's Guide, Warranty and Troubleshooting**.



Mount the front air input grille before starting assembly.



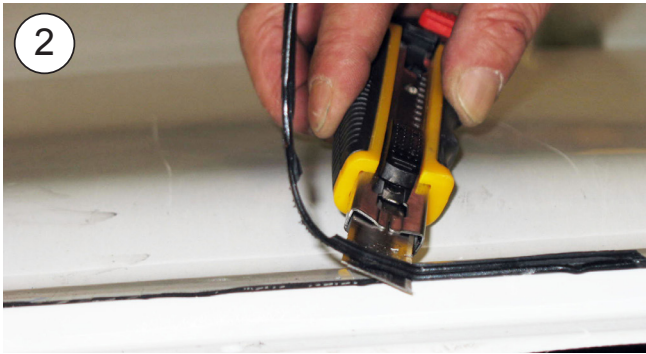
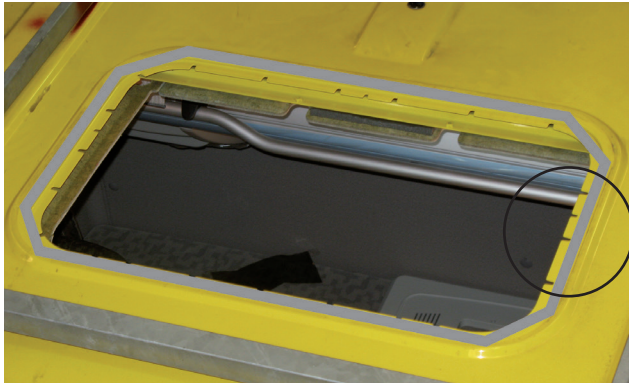
1

Dismantle sun hatch, fastening elements and hand over to client.



2

Remove residual glue substance of the roof upper surface before glueing EPDM gasket.



3

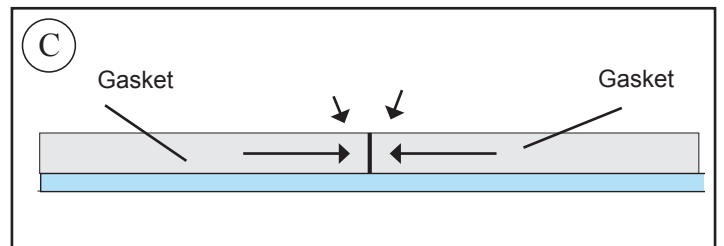
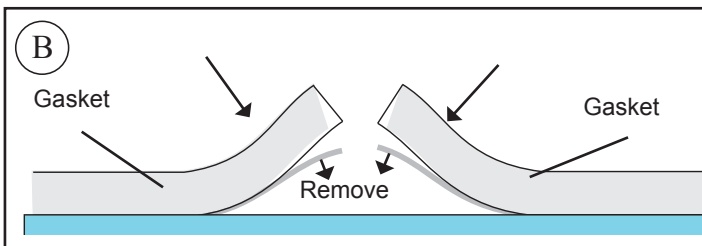
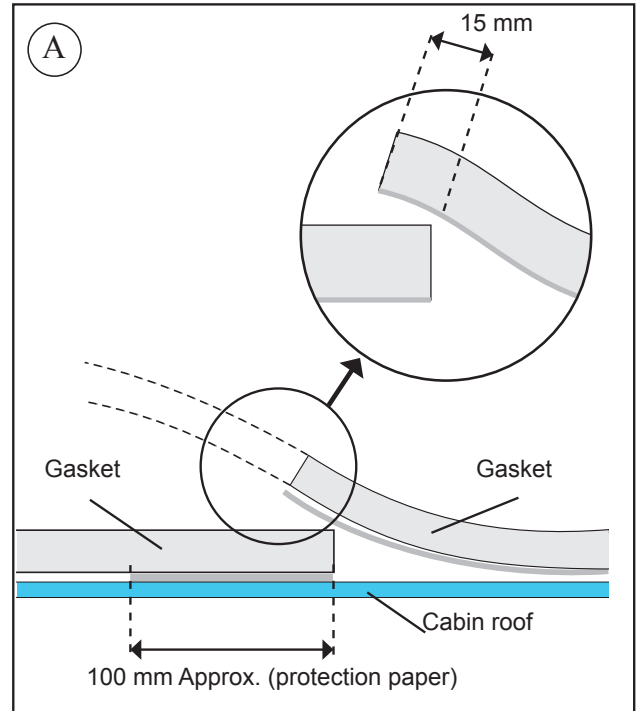
Glue EPDM gasket around hatch hole (see detail for cutting end join edges).





HOW TO CUT EPDM GASKET TO AVOID WATER FILTRATION INTO THE CABIN

- A-** Glue gasket, keeping 100 mm of protection paper at each side.
- B-** Remove the two pieces of paper.
- C-** Glue by pressing both ends.

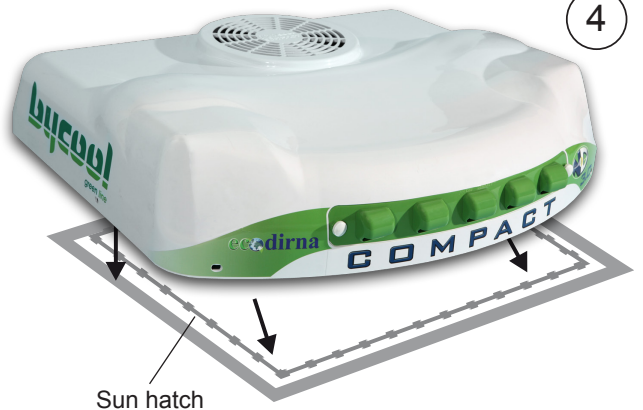


4

OUTSIDE CABIN:

Position Compact in sun hatch hole.

Caution! When positioning the unit above the hatch gap, check that the wastewater run-offs are not blocked by the EPDM seal.



5

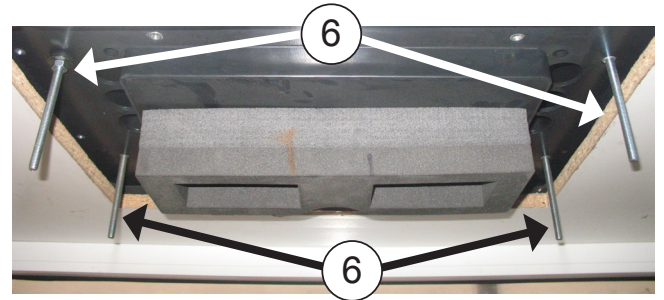
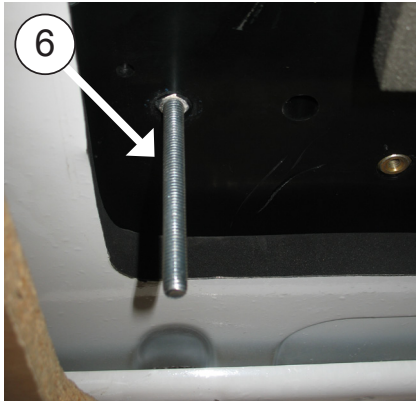
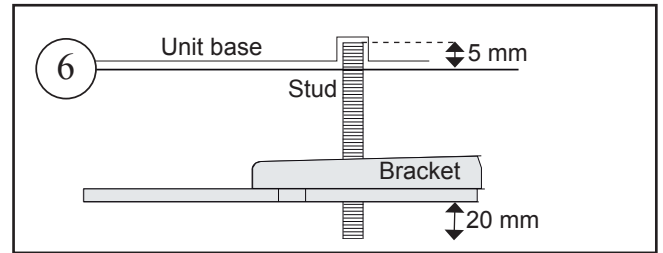
To place the foam rubber ducting remaining at the softer part of the base.



6

INSIDE CABIN:

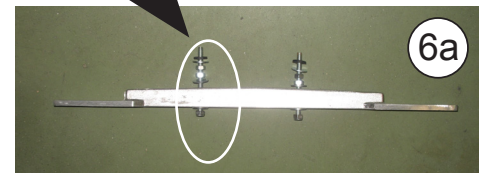
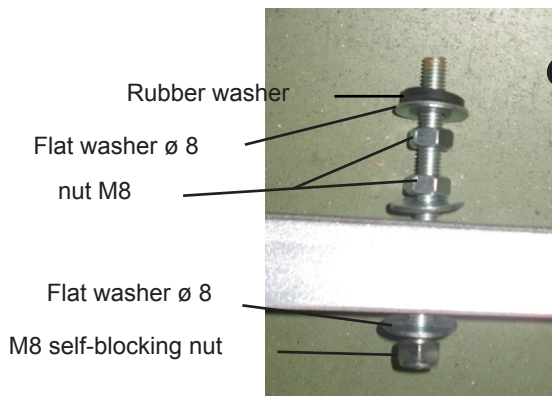
Screw about 5 mm (4) 8/125x70,100 or 120 mm studs, the exact measure is chosen after the fastening supports have been presented and taking into account that studs must stick out of lower part about 20 mm.



FOR RENAULT PREMIUN:

6a

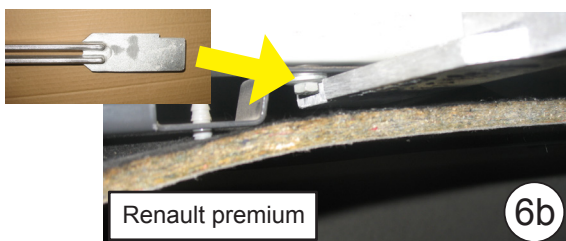
Place stud M8x100 As it is indicated in both supports.



FOR RENAULT PREMIUN:

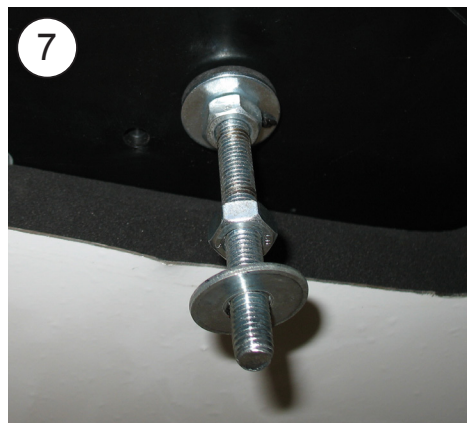
6b

To mount set in equipment with grooves towards the interior part to free the screws of the supports drapery.



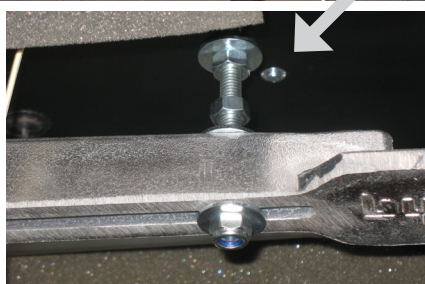
7

Following this order:
plane rubber wash, plane rubber wash wide wing diameter 8, nut M8, plane washer diameter 8 wide wing.



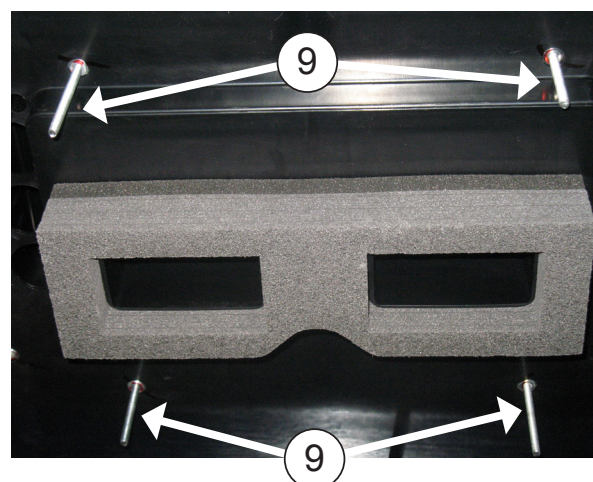
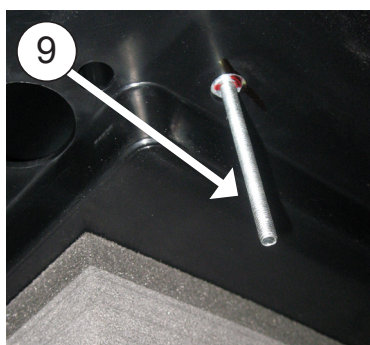
8

Place (2) fastening supports, with (1) washer and (1) M8 self-blocking nut, **without tightening**.



9

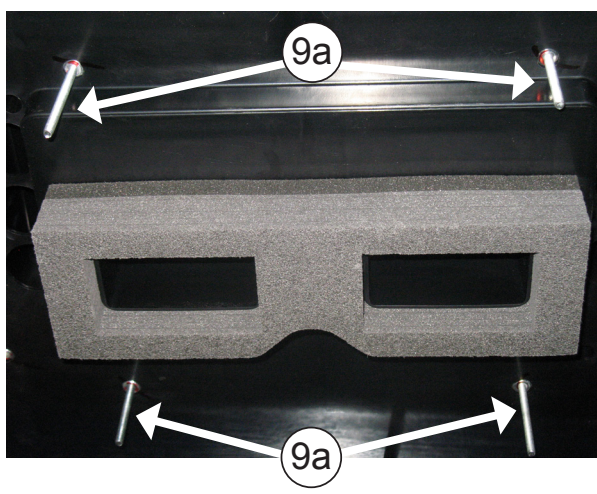
Screw 10 mm deep (4) M6 studs, where indicated distance (D) in figure point 18.



FOR RENAULT PREMIUN:

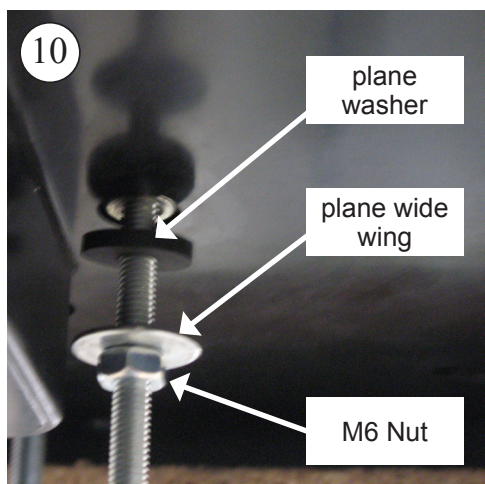
9a

Tighten until mechanics stop stud M6x80.



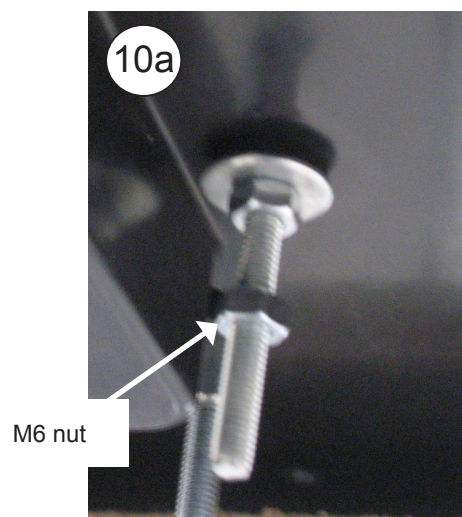
10

To place (1) rubber washer diameter 6 (1), plane washer diameter 6 wide wing and (1) nut M6, over each of the spigots of M6. After, to tight the nut til the rubber washer remain a little tight.



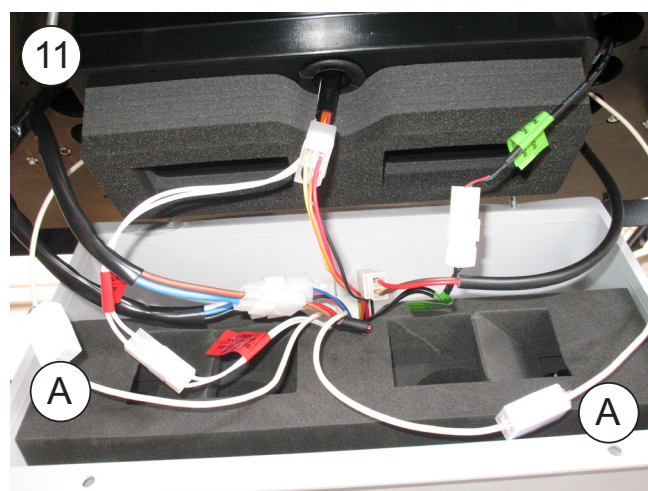
10a

Place (2) fastening supports, with (1) washer and (1) M6 nut, **without tightening**.

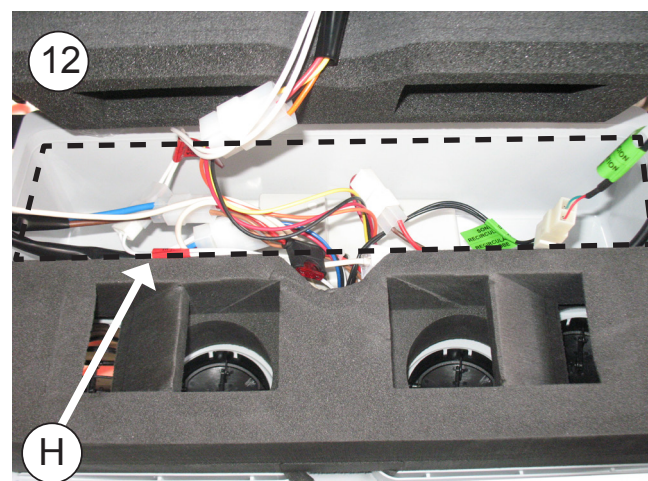
**11**

Connect (2) communication cables A, the (2) 4-way and (4) 2-way boxes, on the front, with those of the **Compact**.

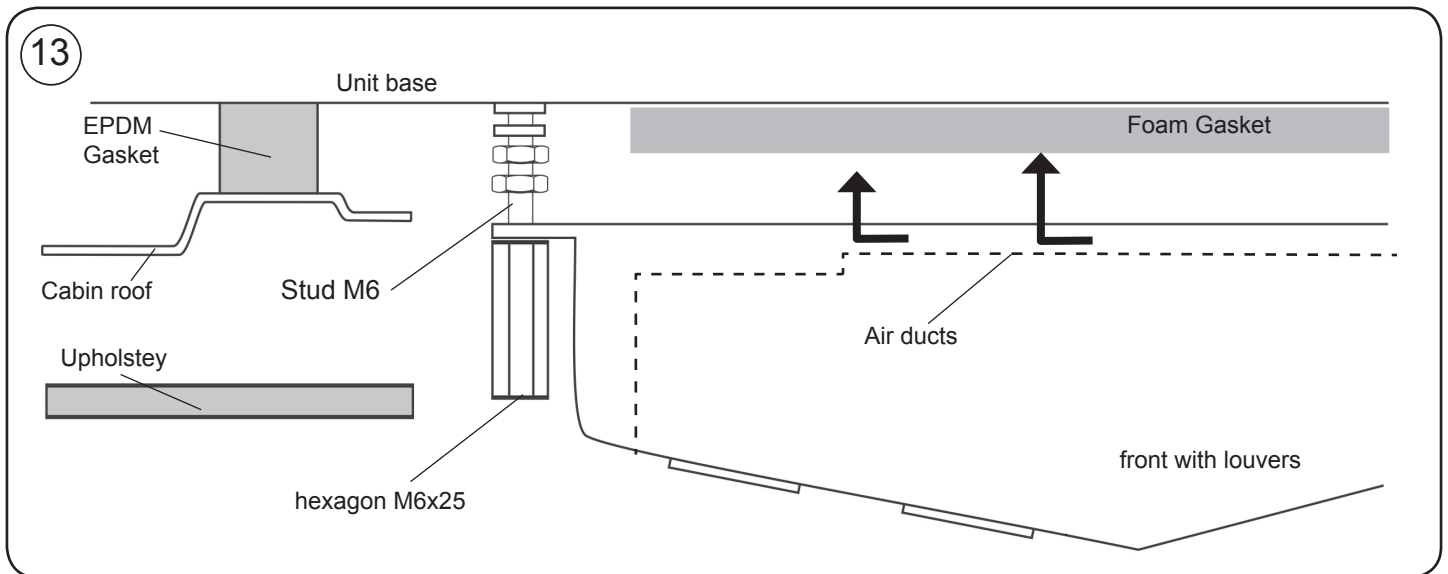
Bear in mind that the two-way box marked with white cables is joined to the connector with white cables that comes out of the central part of the equipment.

**12**

Insert the cables in the hole (H) present on the front to avoid interfering with the adjustment of the channelling element with the base of the equipment.



- 13** Place the evaporator front on previous studs with (1) M6 x25 spacer on each stud.



- 14** To present console and the equipment centred on the best placement of the cabin roof .One time centred to remove console.



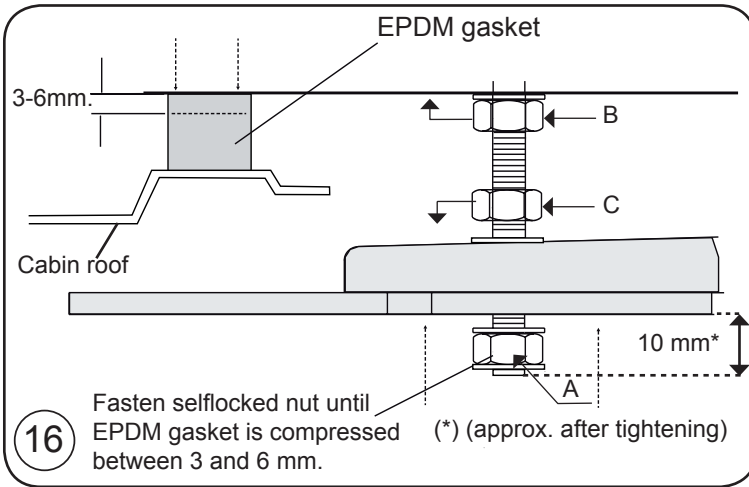
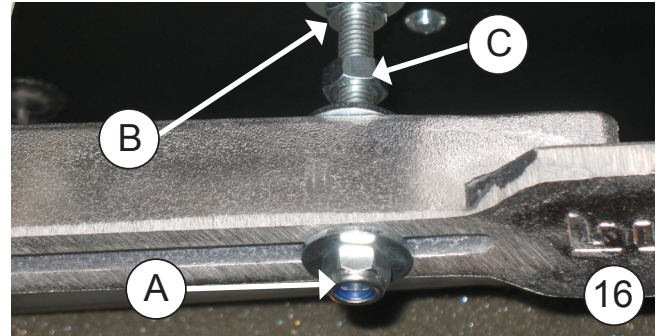
- 15** Fasten supports tightening nuts until outside EPDM joint (Point 3) of equipment is compressed, between 3 and 6 mm.

Important: To avoid water from filtering inside cabin, check EPDM joint tightening with Compact base, as indicated on diagram.next page



16

Tighten (4) M8 nuts to Unit base and (4) to support.



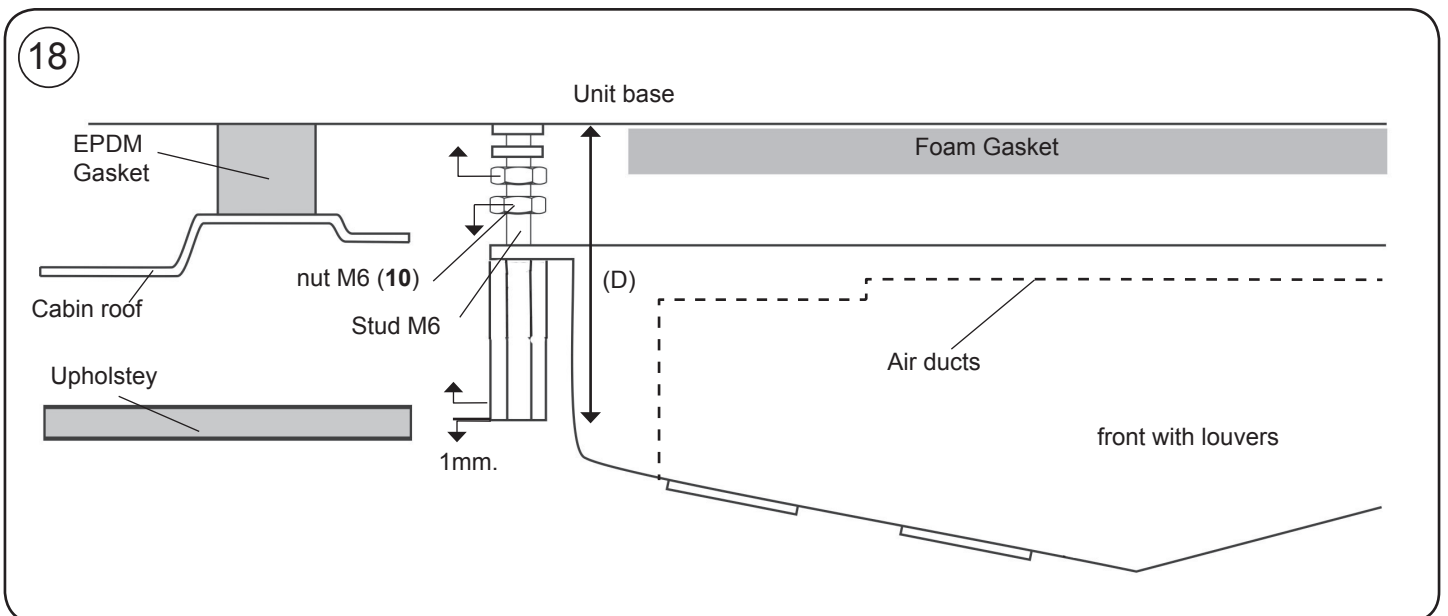
17

Tighten the Hexagon pieces until the channelling equipment fits together correctly.



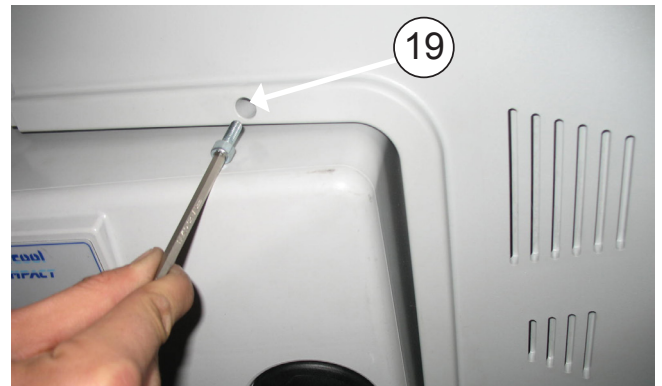
18

Tighten nuts of the point 10 until touch with the top part of the front.



19

Place console using (4) M6/100x15 allen head screws bolts.

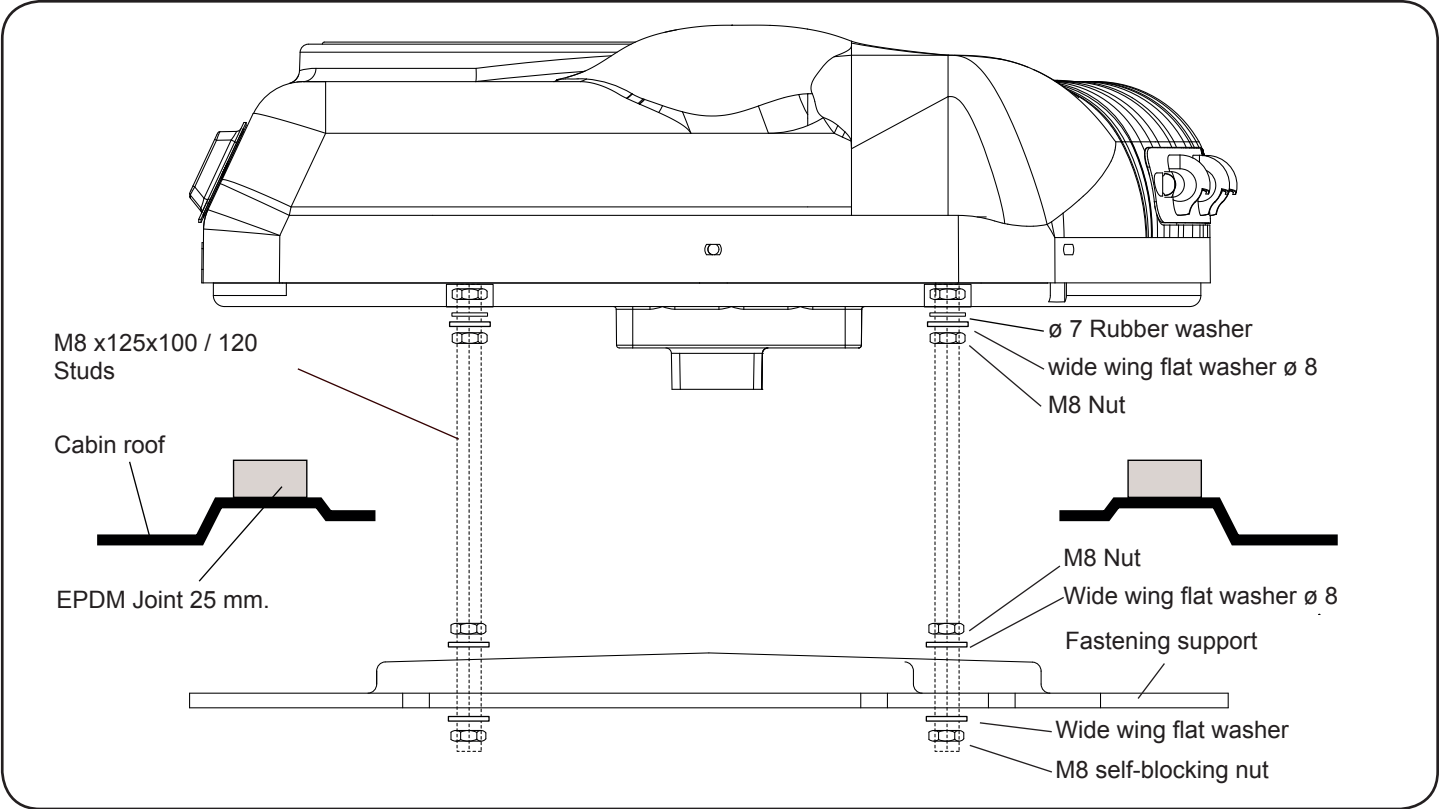


20

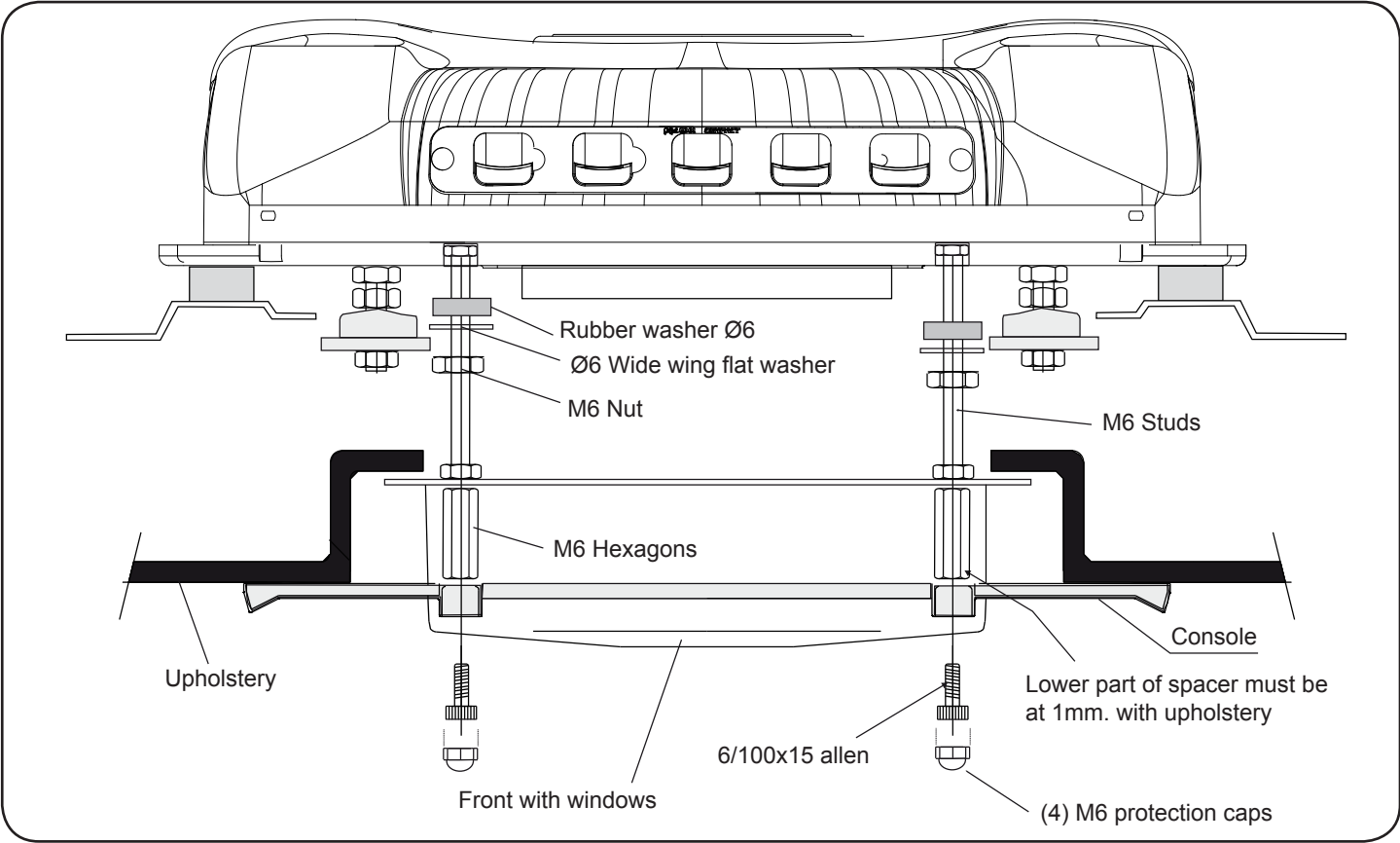
Place console using (4) M6/100x15 allen head screws bolts.



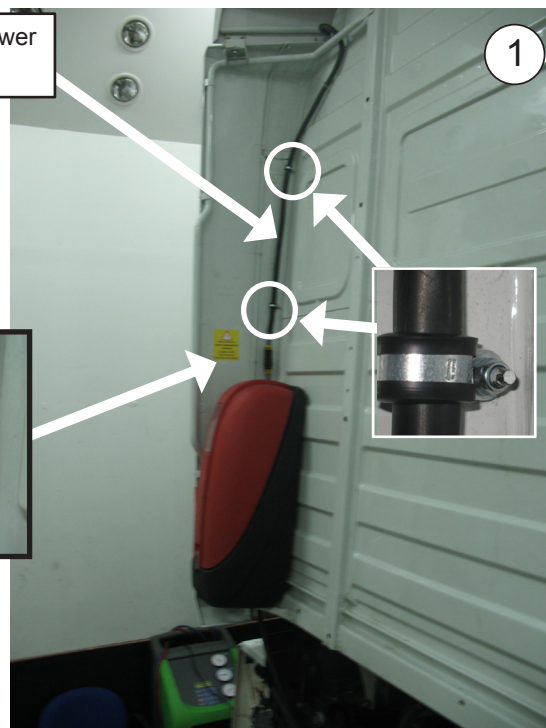
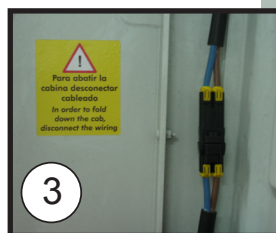
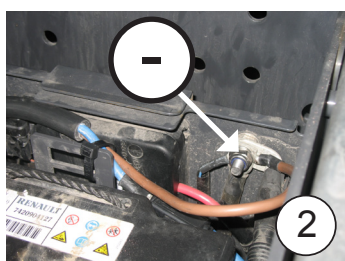
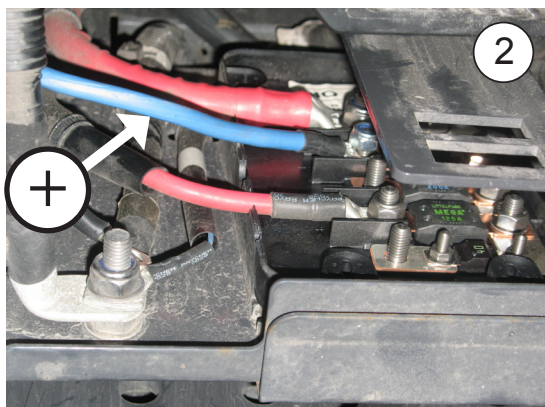
Exploded side view to supports fastening



Exploded rear view to consoles fastening



Detailed instructions on power wiring assembly

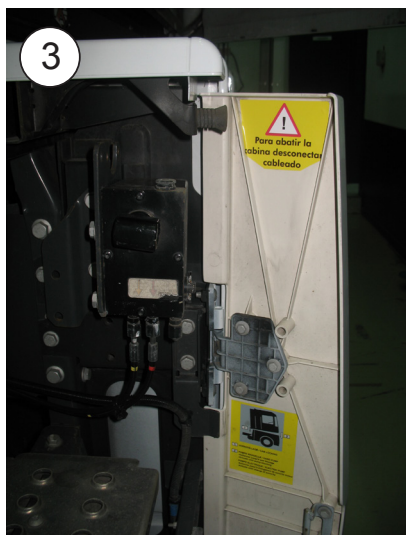


- 1- Connect the upper power supply cable to the back of equipment and lead it through the back of the cab whilst sticking down the plastic clips and securing it with flanges.
- 2- Connect the lower power supply cable to the Box of fuses + and in the center of masses- , As it is indicated, by leading it through the original cable route, secured with flanges, to the back of the cab, to connect it with the upper power supply cable.

WHEN CONNECTING THE CABLES LEAVE A SUFFICIENT DISTANCE TO PREVENT THEM BREAKING DUE TO MOVEMENTS OF THE CAB!

IMPORTANT: Due to the equipment's complex electronic regulation system, the socket must be made directly on the vehicle's battery.

IMPORTANT: For start up please see the User's Manual.



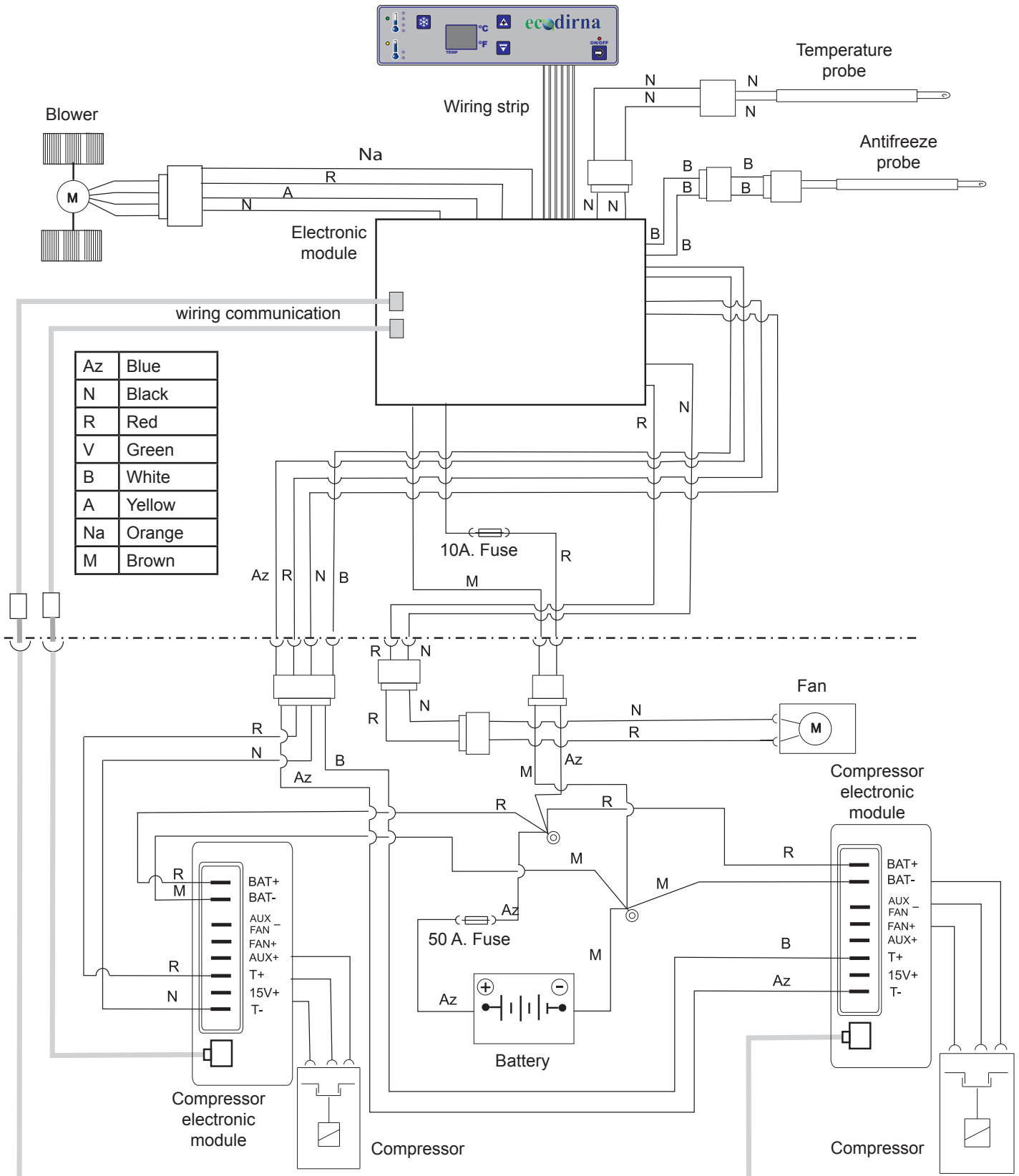
- 3- Place danger stickers on the cable join and on the cab elevation device.



Electric wiring

IMPORTANT WARNING!

Take care not to invert polarities when connecting the unit to the power supply. If this were to happen, the unit will not work and irreparable damage will be caused to the compressor modules.



Recommandations Pour Le Montage

- Avant de commencer le montage de l'appareil, prière de lire les instructions et de les suivre attentivement.
- Utiliser les outils convenant à chaque opération.

Electricity

- Déconnecter la clé de contact.
- Déconnecter la batterie avant de commencer le montage.
- Vérifier le câblage des composants électriques et leur correcte installation.



Si pendant le montage l'équipement est incliné, il faudra attendre au moins 60 minutes avant de le mettre en marche une fois qu'il aura été remis sur sa position horizontale.



Lors de l'installation de l'appareil d'air conditionné sur le toit, il faudra protéger la partie supérieure de la cabine avec un linge ou une couverture de protection afin d'éviter les éventuelles égratignures.

Durant l'installation du **Compact**, tenir compte du fait que normalement les cabines pourvues d'écoutille possède une structure suffisamment solide pour supporter le poids de l'appareil. Cependant, si ce n'est pas le cas et qu'il est nécessaire de découper le toit ou même si disposant d'écoutille, la structure n'est pas suffisamment rigide (si elle était en fibre, plastique, etc.) il appartiendra à l'installateur de décider s'il faut renforcer le toit pour éviter toute déformation, rupture ou voie d'eau, etc., et prendre les mesures nécessaires à cet effet.

Outils

Jeu de clés Torx

Jeu de clés Allen

Clé fixe 10, 13, 14

Ciseaux

Mètre

Documentation included

Instructions de montage	220.AA6.0901
Guide de l'utilisateur	220.AA6.0057
Solution des problèmes	220.AA6.0058
Garantie	220.AA1.0017

Symbologie



Fragile



Attention aux coupures !



Risque électrique



L'installateur devra posséder la formation pertinente en air conditionné sur véhicules.



dirna Bergstrom, s.l., ne sera pas responsable des dommages ou des bris dérivés d'une installation ou d'une manipulation incorrecte ni des modifications réalisées sans autorisation expresse par écrit.



Appareil pré-chargé de gaz réfrigérant. (Ne pas manipuler le circuit de gaz réfrigérant).



Voir la **procédure de garantie** du produit au **Diagnostic de problèmes**.



Voir le **Guide de l'Usager** de l'appareil pour le fonctionnement correcte de la télécommande et du tableau de commande.



Après l'installation, vous devez fournir à l'utilisateur: Manuel d'utilisation, garantie et diagnostic de pannes.



Avant de commencer le montage, monter la grille d'entrée d'air frontale.



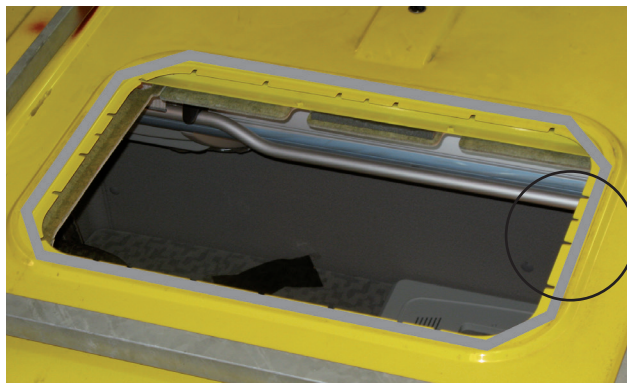
1

Démonter le couvercle de l'écouille, les éléments de fixations et les remettre au client .



2

Eliminer les restes d'adhésif de la surface supérieure de la cabine avant de coller le joint EPDM.



3

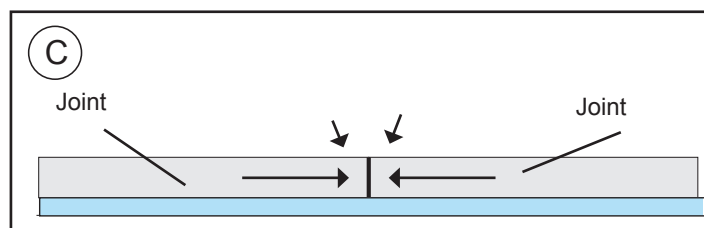
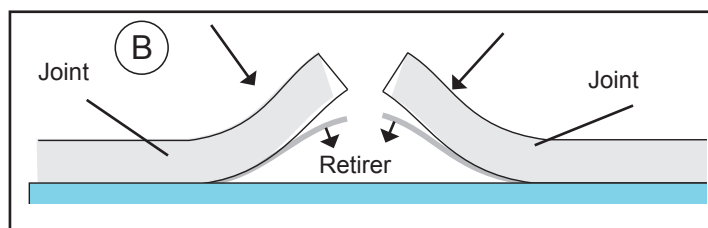
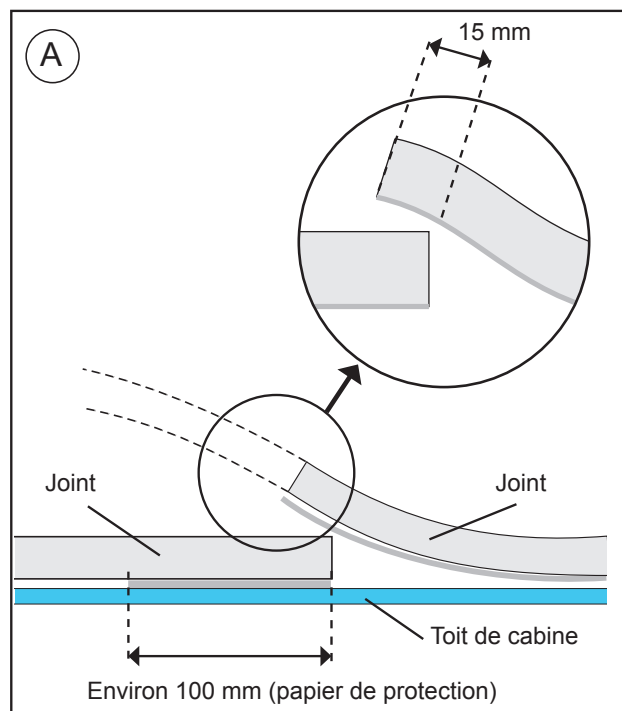
Coller le joint EPDM autour de l'orifice de l'écouille (*voir détail pour découper les bords*).





COMMENT COUPER LE JOINT EPDM POUR EVITER LES FILTRATIONS DANS LA CABINE

- A-** Coller le joint en maintenant une protection en papier de 100 mm de chaque côté.
- B-** Retirer les deux morceaux de papier.
- C-** Coller en faisant pression sur les deux extrémités.

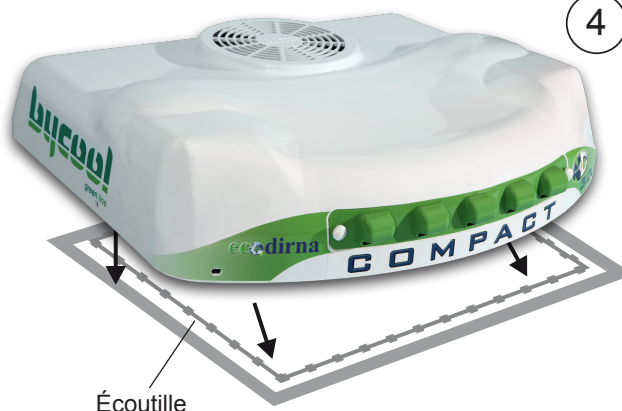


4

EXTERIEUR CABINE:

Positionner le Compact dans l'espace prévu.

Attention ! Avant de placer l'équipement sur le creux de l'écouille, vérifier que les sorties d'écoulement ne soient pas bouchées par le joint EPDM.



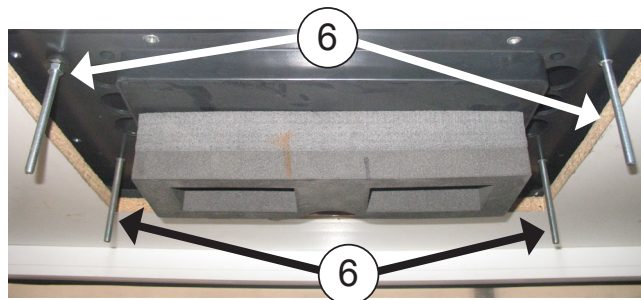
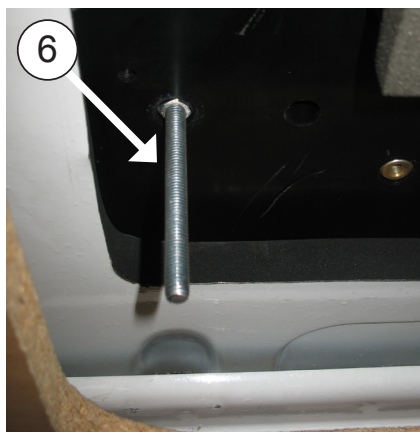
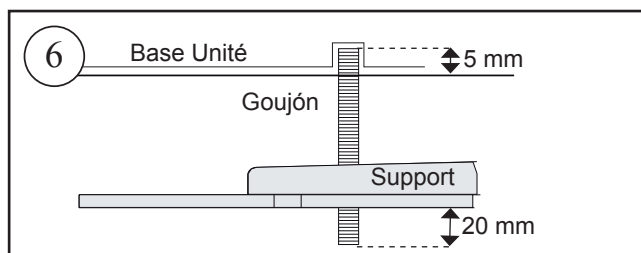
5

Placer les canalisations a mouse en restant la part plus molle sous la base d'équipement.



6**INTERIEUR CABINE:**

Visser 5 mm environ (4) goujons de 8/125x70, 100 ou 120 mm, en fonction de la distance plus ou moins grande de l'appareil jusqu'à ce qu'en positionnant les supports de fixation, il ne reste que 20 mm au-dessous de ces supports.

**RENAULT PREMIUN:****6a**

Mise M8x100 montant comme représenté sur les deux supports

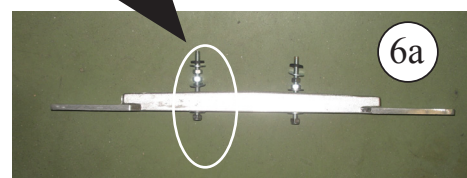
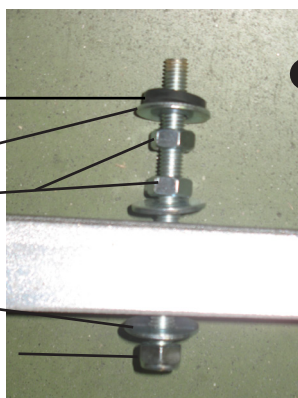
Rondelle caoutchouc Ø6

Rondelle plate large Ø8

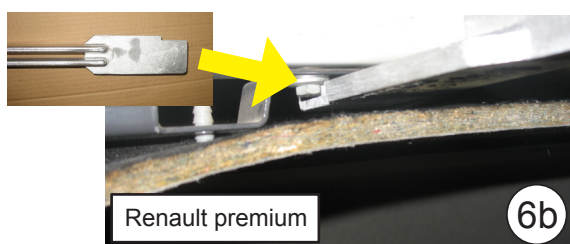
Écrou M8

Rondelle plate Ø8

Écrou autobloquant M8

**RENAULT PREMIUN:****6b**

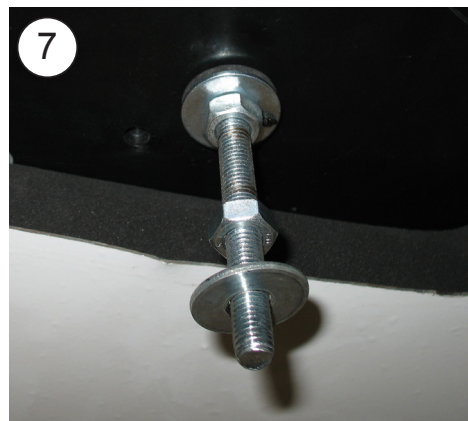
Monter l'ensemble sur l'équipement avec les fentes vers la partie intérieure pour libérer les vis des supports de fixation de la tapisserie.



7

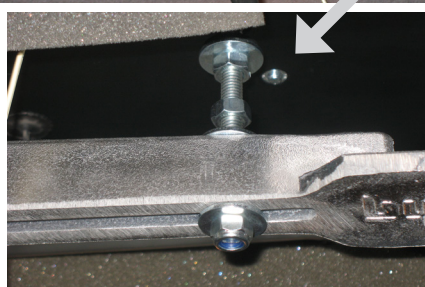
en suivant cet ordre :

Rondelle a mousse, rondelle plain diamètre 8 aile large, écrou M8, plain rondelle diamètre 8 aile large.



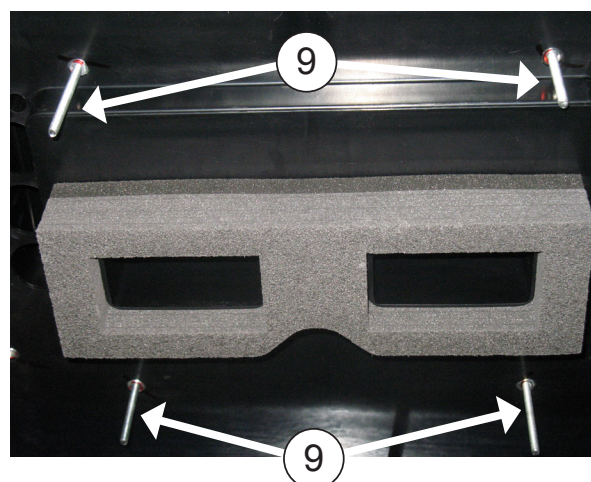
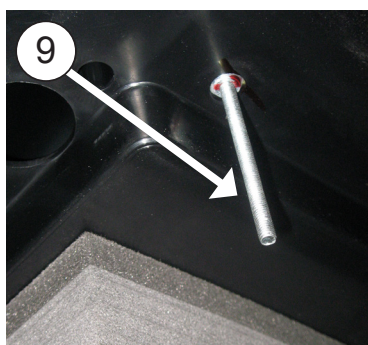
8

Placer les supports de fixation (2), avec une rondelle (1) et un écrou autobloquant (1) M8, **sans serrer**.



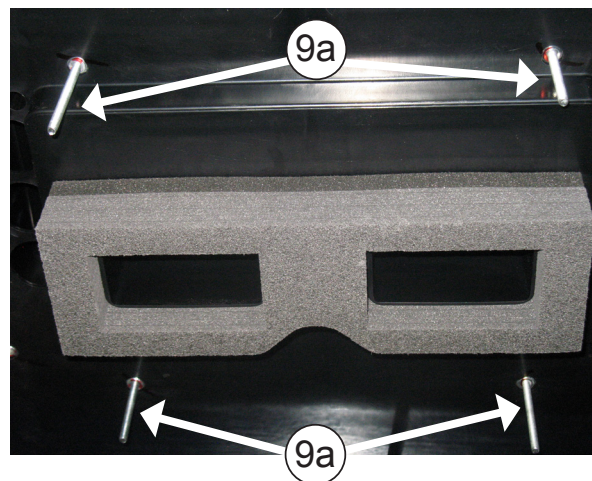
9

Visser 10 mm les goujons (4) M6 x 80, comme indiqué au (D) du schéma point 18.

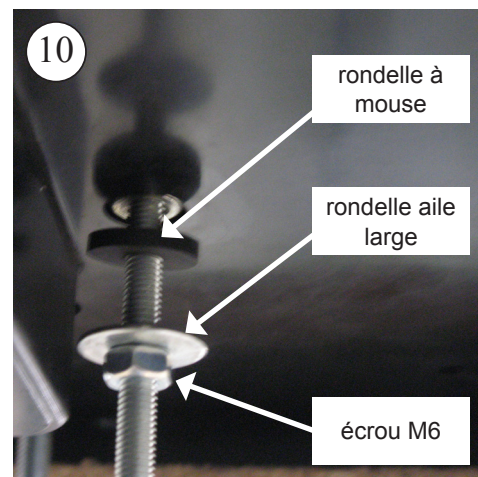


PARA RENAULT PREMIUN:**9a**

Serrer l'écrou les goujons M6 x80 jusqu'à ce qu'il touche la surface.

**10**

Placer (1) rondelle mouse diamètre 6 (1) plain rondelle diamètre 6 aile large et (1) écrou M6 sur chacun des asperges M6. En suivant serrer l'écrou jusqu'au la rondelle à mouse reste un peu pressée.

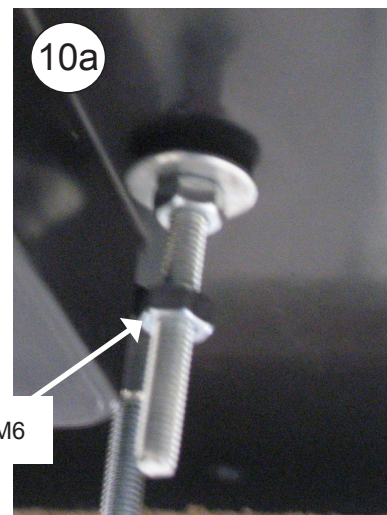


10a

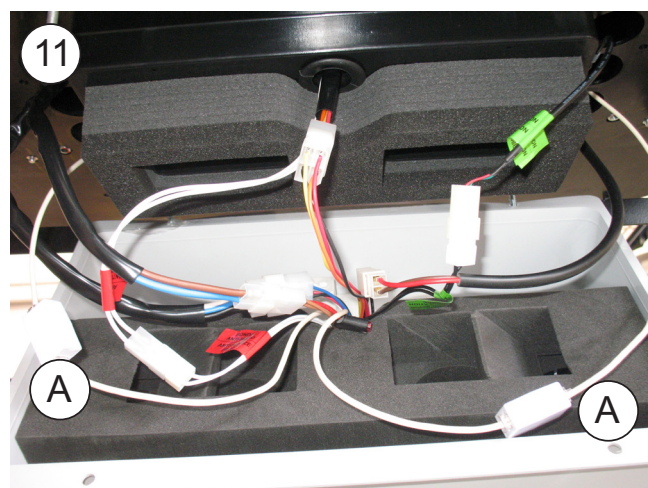
Placer l'écrou (1) M6 sans le serrer sur chaque goujon.

10a

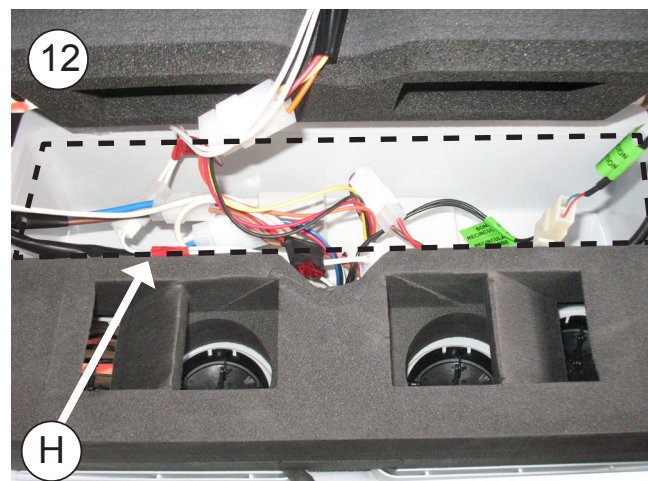
Écrou M6

**11**

Connecter (2) les câbles communication A, les (2) boîtiers à 4 voies et (4) à 2 voies, de la partie avant avec celles du Compact. Compte tenu du fait que le boîtier à deux voies marqué avec deux câbles blancs rejoint le connecteur à câbles blancs qui vient de la partie centrale de l'équipement.

11**12**

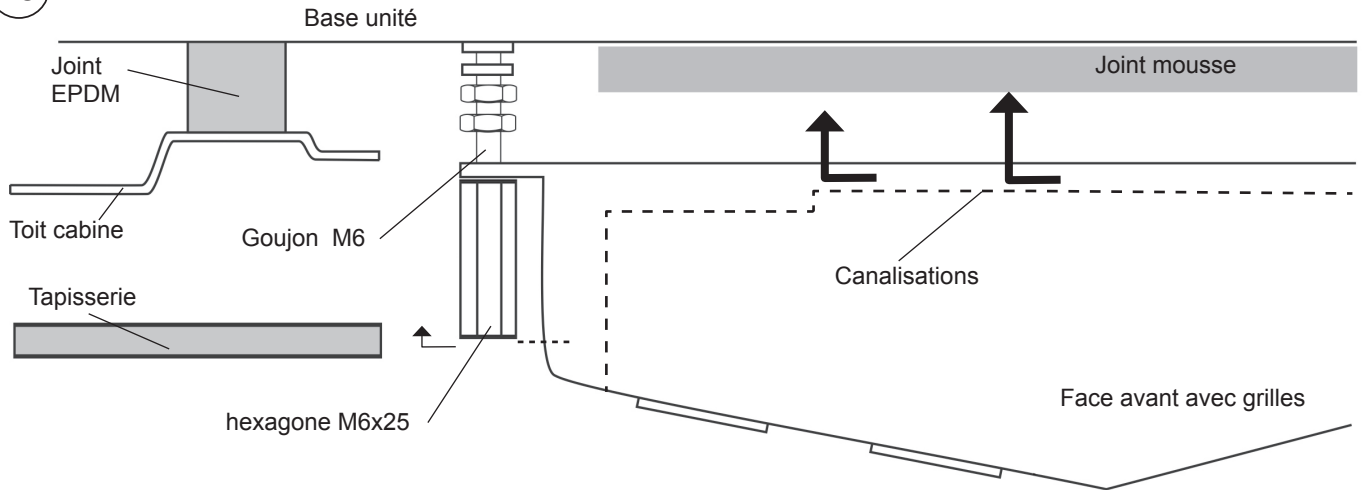
Introduire les câblages dans l'espace existant (H) sur la partie avant pour ne pas interférer dans le réglage des canalisateurs avec la base de l'équipement.

12

13

Placer la face avant de l'évaporateur sur les fixer la partie frontale avec sép. hexagonales M6 x 25.

13



14

Placer la console et centrer l'appareil sur la partie convenant le mieux du toit de la cabine. Une fois centrée, retirer la console pour l'installer plus tard.



15

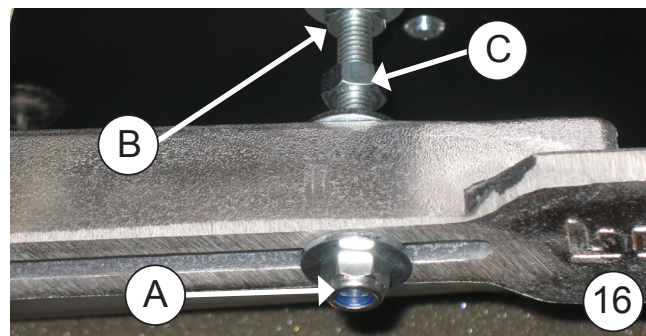
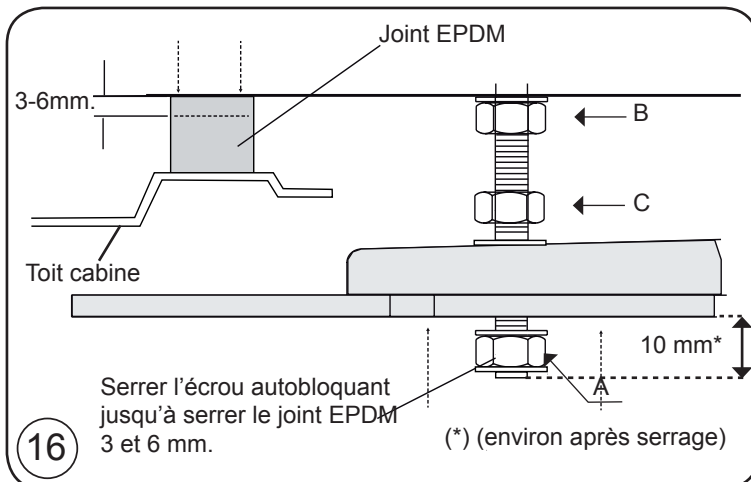
Fixer les supports en serrant les écrous jusqu'à serrer le joint EPDM (**Point 3**) de l'appareil entre 3 et 6 mm;

Important: Pour éviter la filtration d'eau dans la cabine, vérifier le serrage du joint EPDM à la base du Compact, comme indiqué sur le diagramme.



16

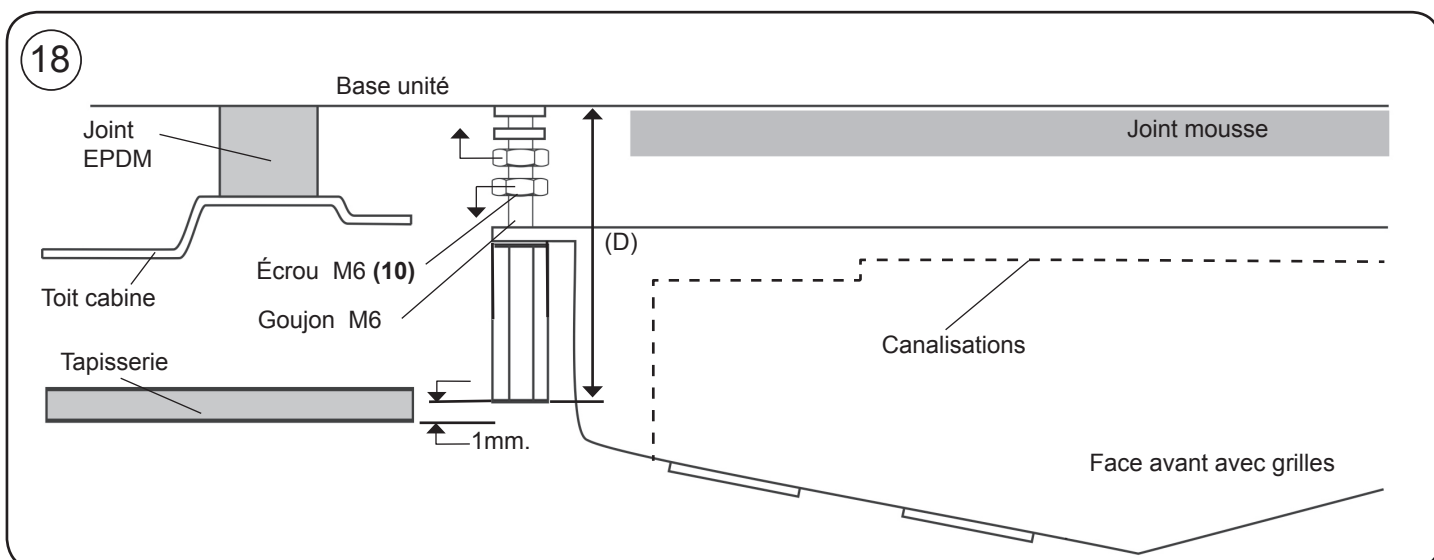
Serrer les écrous (4) M8 (B) afin de fixer à (4) l'unité base (C).

**17**

Serrer les Hexagones jusqu'à ce que les canalisations s'ajustent entre elles.

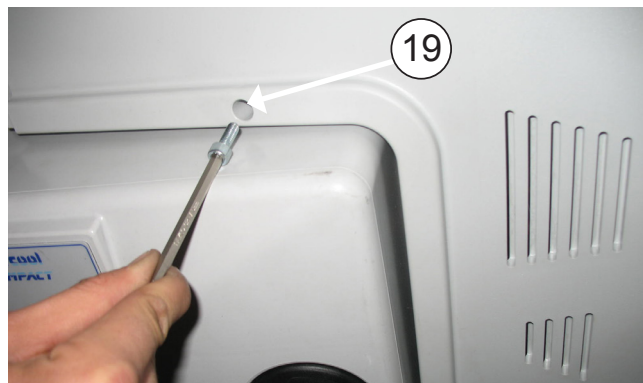
**18**

Serrer l'écrou indiqué au point 10 jusqu'à ce qu'il touche la surface supérieure de la partie avant.



19

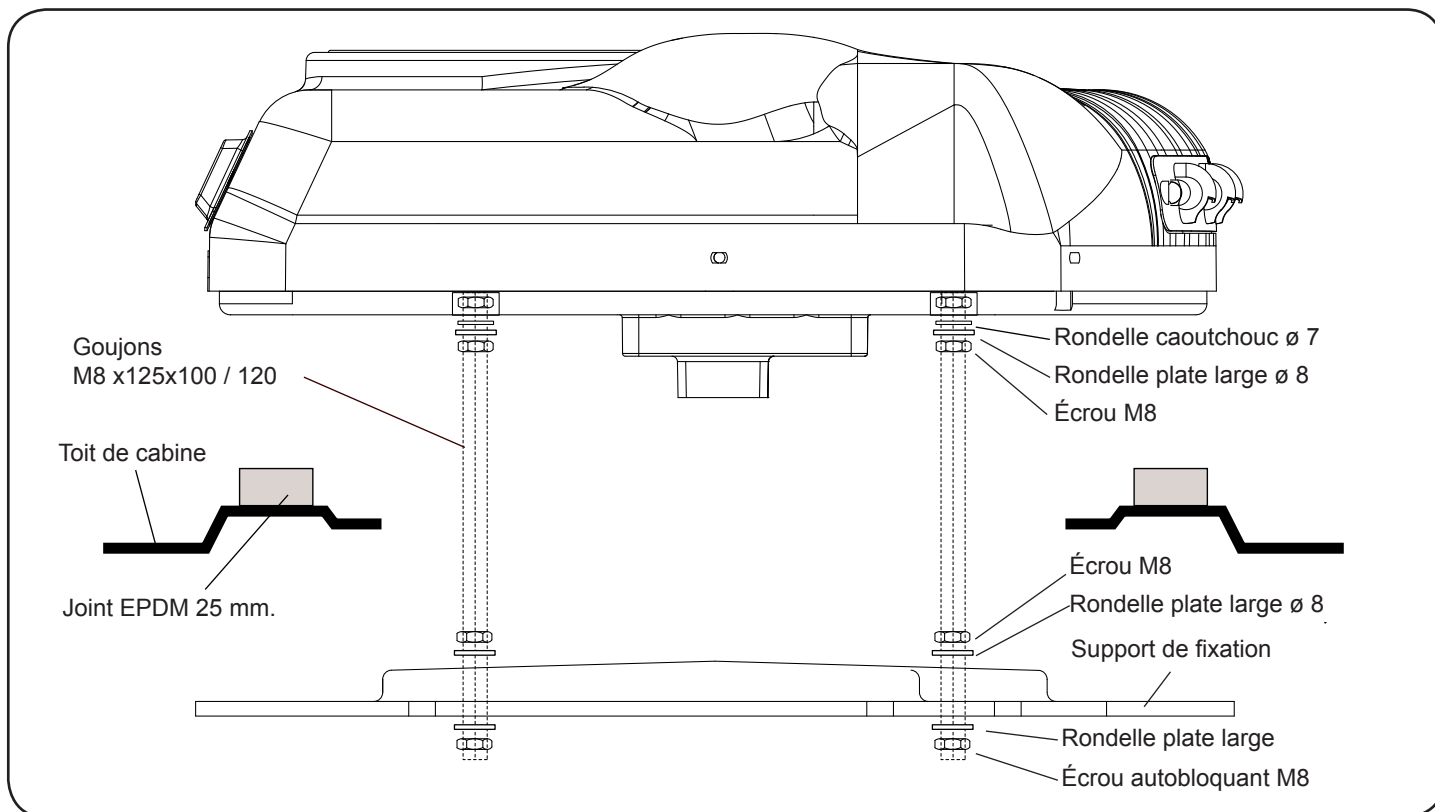
Placer la console à l'aide des (4) vis Allen M6/100x15.

**20**

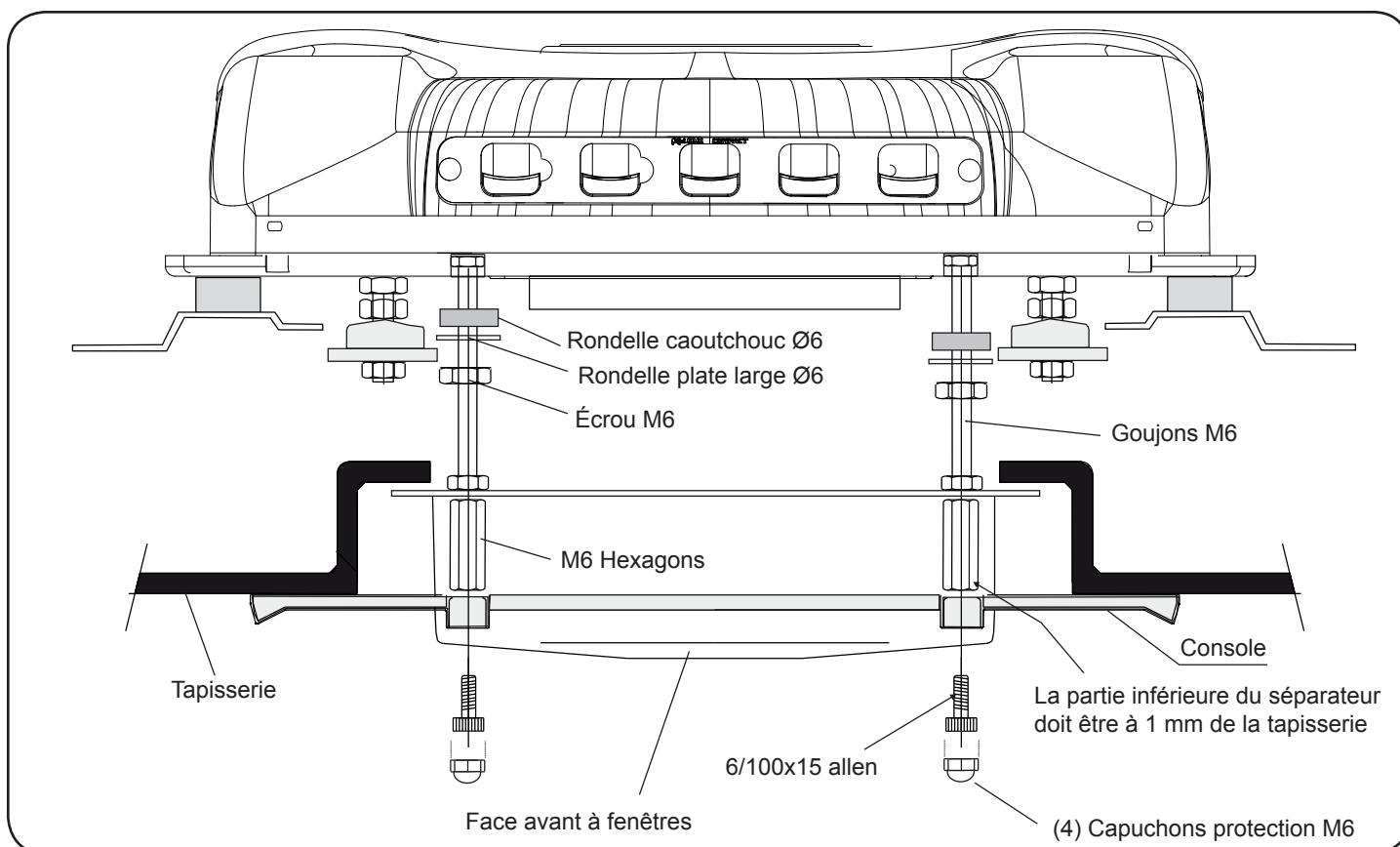
Couvrir les têtes des vis Allen (4) M6/100x15 avec les capuchons en plastique M6.



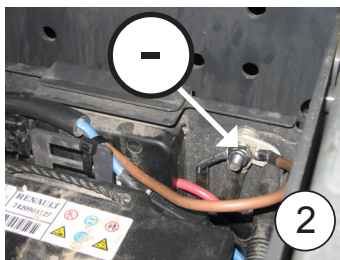
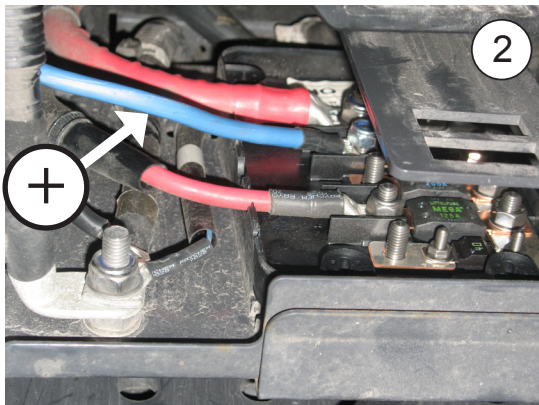
Vue explosée jusqu'à la fixation des supports de fixation



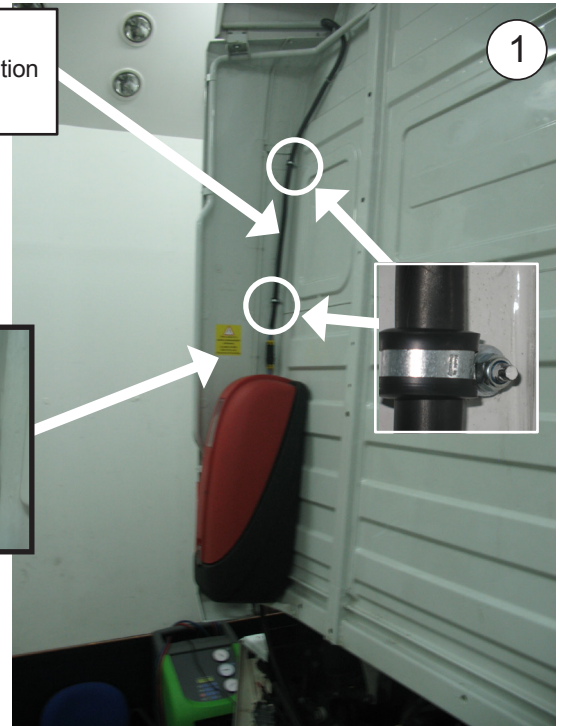
Vue explosée jusqu'à fixation des consoles



Instructions détaillées sur l'installation du câblage d'alimentation



câble
d'alimentation
supérieur.

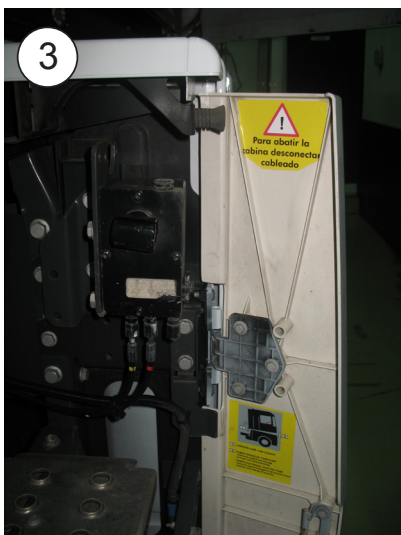


- 1- Connecter le câble d'alimentation supérieur à la partie arrière de l'appareil et le conduire par la partie postérieure de la cabine en collant les supports en plastique et en le fixant avec des brides.
- 2- Connecter le câble d'alimentation inférieur à la Une caisse de fusibles + et au centre de masses- , en le conduisant par le passage de câblage original, fixé avec des brides, vers la partie postérieure de la cabine, afin de connecter au câble d'alimentation supérieur.

LORS DU BRANCHEMENT DES CÂBLAGES, LAISSER LA DISTANCE PERTINENTE AFIN D'EVITER LEUR RUPTURE DUE AUX MOUVEMENTS DE LA CABINE!

IMPORTANT: En raison du système complexe de réglage électronique de l'appareil, la prise de courant sera directement effectuée sur la batterie du véhicule.

IMPORTANT: Pour la mise en marche, consulter le Manuel de l'Usager.



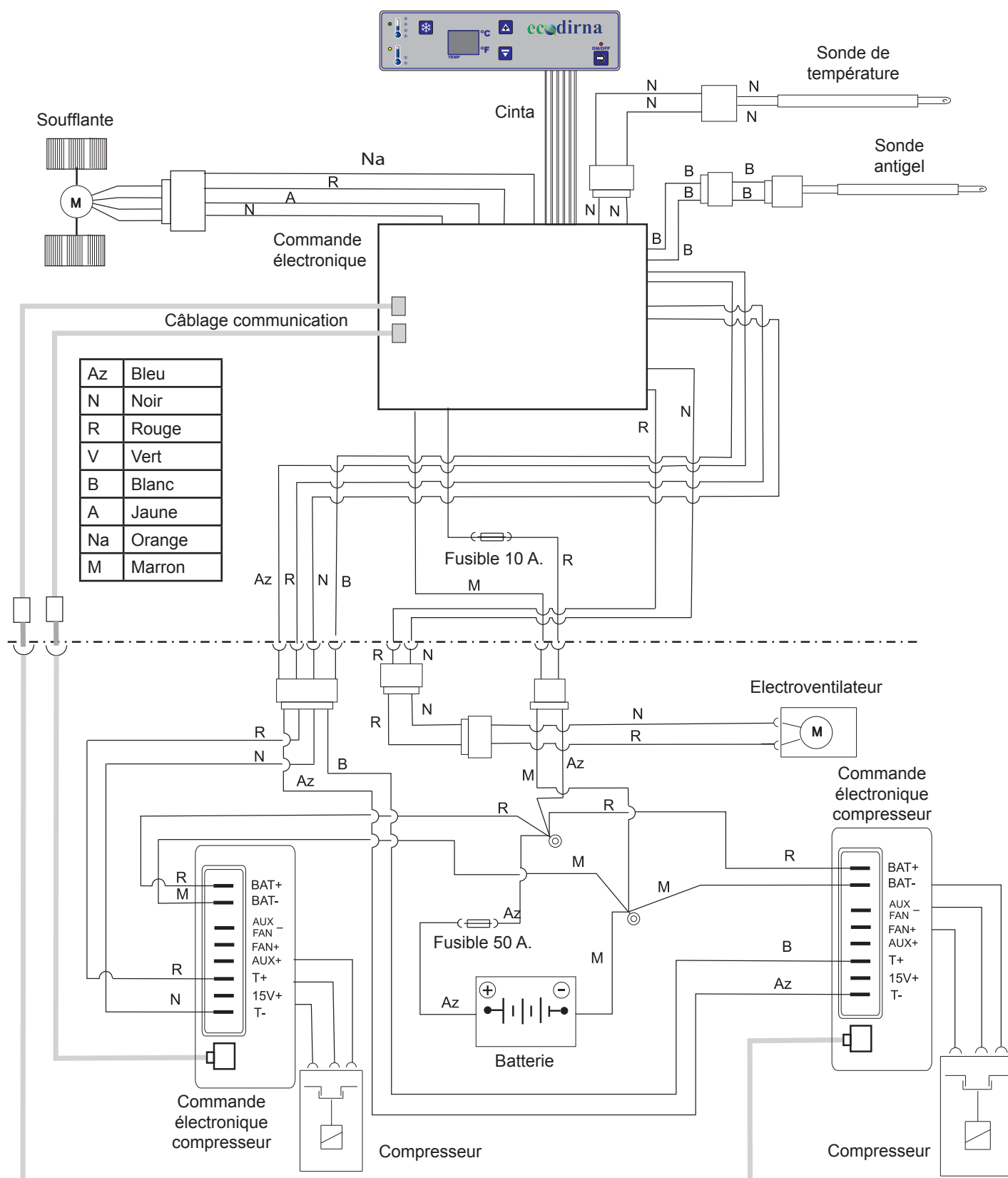
- 3- Placer des adhésifs de danger à l'union de câblage et sur le dispositif d'élévation de la cabine.



Câblage électrique

AVERTISSEMENT IMPORTANT!

Attention! Ne pas inverser les polarités dans la connexion de l'alimentation à l'équipement. Si cela se produisait, la plaque ne s'allumerait pas, l'équipement ne fonctionnerait pas et des dommages irréparables se produiraient sur les modules des compresseurs.

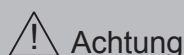


Empfehlungen Zur montage

- Vor und während der Montage bitte diese Anweisungen lesen und beachten.
- Benutzen Sie für jeden Arbeitsschritt die geeigneten Werkzeuge.

Elektrizität

- Zündschlüssel abziehen.
- Vor Montagebeginn die Batterie abklemmen.
- Den ordnungsgemäßen Anschluss und die korrekte Installation der Elektrokomponenten überprüfen.



Achtung

Sollte sich das Gerät während der Montage neigen, muss man mindestens 60 Minuten warten, nachdem es wieder in die horizontale Lage gebracht wurde, um es wieder einzuschalten.



Achtung

Wird die Klimaanlage im Kabinendach installiert, muss der obere Teil der Kabine mit einem Tuch oder einer Decke gegen eventuelle Kratzer geschützt werden. Bei der Installation der **Compact** auf dem Kabinendach muss darauf geachtet werden, dass mit Luken ausgestattete Kabinen über eine ausreichend stabile Struktur verfügen, um das Gewicht des Geräts stand zu halten. Sollte das Fahrzeug über keine Luke verfügen und sollte es notwendig sein, das Kabinendach aufzuschneiden, bzw. sollte die vorhandene Struktur nicht ausreichend stabil sein (z.B. wenn sie aus Faser, Kunststoff usw. hergestellt ist), obliegt es dem Installateur zu entscheiden, ob das Kabinendach zur Vermeidung von Verformungen, Brüchen, undichten Stellen usw. verstärkt werden muss, und die hierfür notwendigen Mittel bereit zu stellen.

Werkzeuge

Torx-Schraubenschlüssel
Inbusschraubenschlüssel
10er, 13er, 14er Schraubenschlüssel
Schere
Metermaß

Mitgelieferte unterlagen

Montageanweisungen	220.AA6.0901
Benutzerleitfaden	220.AA6.0057
Fehlerdiagnose	220.AA6.0058
Garantie	220.AA1.0017

Symbologie



Fragile



Attention aux coupures !



Risque électrique



Warnhinweise



Der Installateur muss im Bereich Fahrzeug-Klimaanlagen ausreichend geschult sein.



dirna Bergstrom, s.l. übernimmt keine Verantwortung für Schäden oder Brüche aufgrund einer nicht ordnungsgemäßen Installation oder Bedienung des Geräts oder den Austausch von Teilen bzw. Umbauten, die ohne die erforderliche schriftliche Genehmigung durchgeführt wurden.



Mit Kältemittel vorgefülltes Gerät.
(Kältemittelkreislauf nicht manipulieren).



Siehe **Garantieverfahren** des Produkts in der **Fehlerdiagnose**.



Siehe **Benutzerleitfaden** des Geräts für den ordnungsgemäßen Betrieb der Fernbedienung und des Bedienfelds.



Die folgenden Unterlagen müssen dem Benutzer nach der Installation ausgehändigt werden:
Benutzerleitfaden, Garantie und Fehlerdiagnose.



Vor Montabeginn vorderes Lufteintrittsgitter montieren.



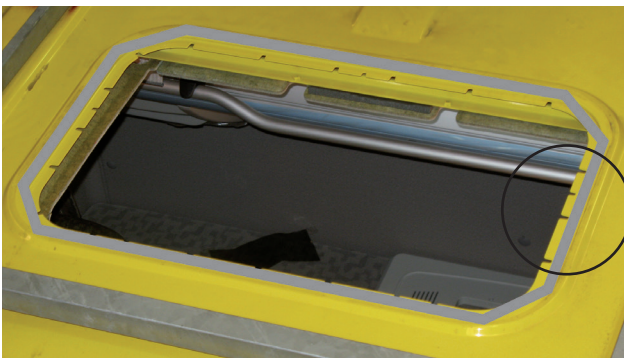
1

Den Lukendeckel und die Befestigungselemente entfernen und dem Kunden aushändigen.



2

Vor dem Ankleben der EPDM-Dichtung die Klebstoffreste von der oberen Kabinenfläche entfernen.



3

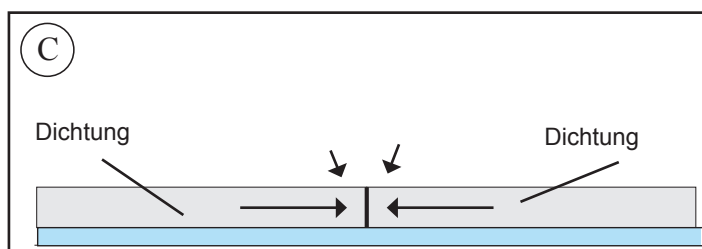
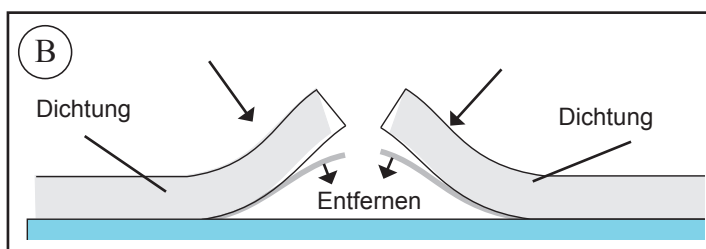
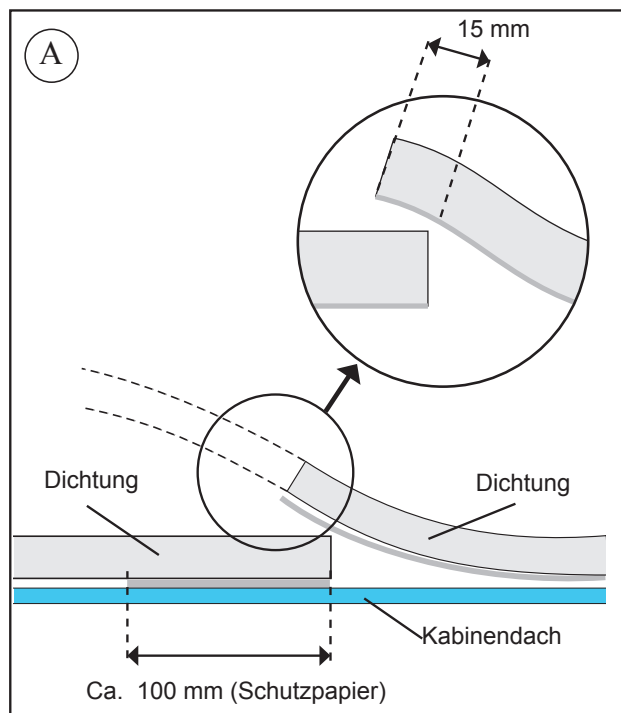
Coller le joint EPDM autour de l'orifice de l'écouille (um das detail zu schnitt die letzten grenzen der gewerkschaft der v ersammlung anzuschauen).





WIE DIE EPDM-DICHTUNG GESCHNITTEN WIRD, UM FILTRATIONEN IN DER KABINE ZU VERMEIDEN

- A-** Dichtung aufkleben und dabei einen Papierschutz von 100 mm auf jeder Seite beibehalten.
- B-** Die zwei Papierstücke entfernen.
- C-** Unter Anpressen beider Enden aufkleben.

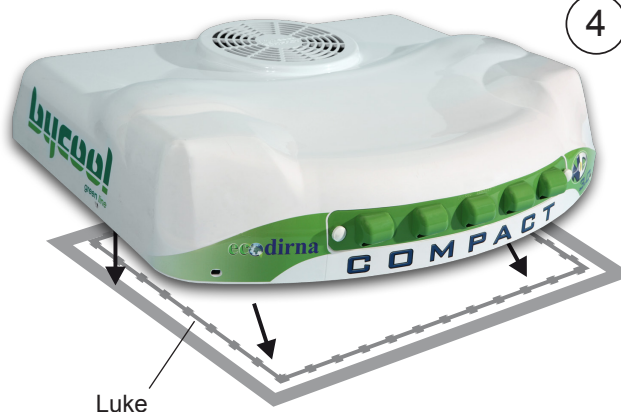


4

KABINENAUSSENSEITE:

Compact in der Öffnung positionieren.

Achtung! Beim Auflegen des Geräts auf die Lukenaussparung darauf achten, dass die Ablassausgänge nicht von der EPDM-Dichtung zusammengedrückt werden.



5

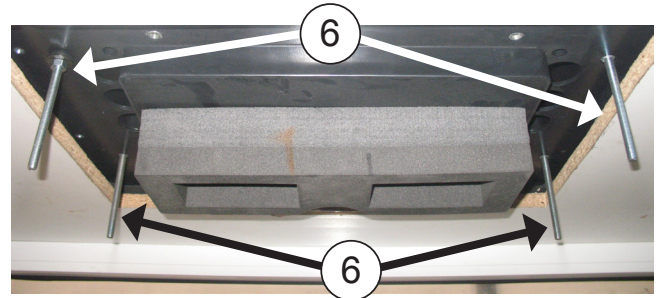
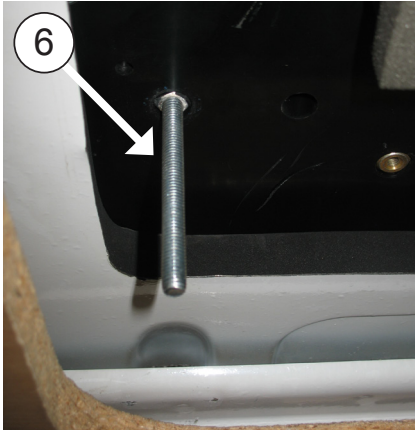
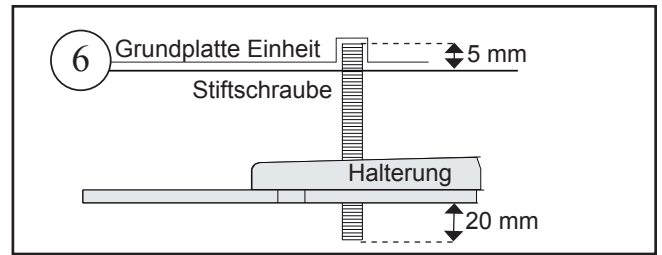
Montieren Sie den Schaumgummi Luftkanal mit dem weichen Teil zur Grundplatte / Basis.



6

KABINENINNENSEITE:

Ca. 5 mm Gewinde für (4) Stiftschrauben 8/125x70, 100 oder 120 mm schneiden (abhängig vom größeren oder kleineren Abstand vom Gerät bis sie nach Positionierung der Befestigungsauflagen 20 mm unter diesen liegen).



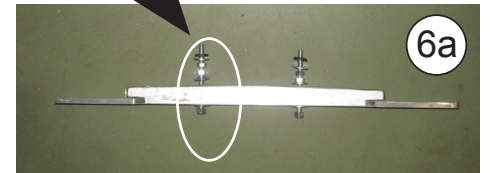
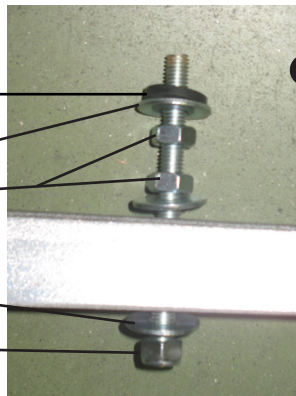
RENAULT PREMIUN:

6a

Bolzen M8/100, 1 Gummischeibe wie darauf in Unterstüzungen hingewiesen wird.

Gummischeibe
Breitflansch-Flachscheibe Ø8
Mutter M8

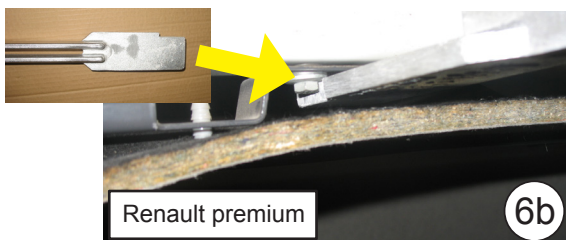
Breitflansch-Flachscheibe Ø8
Mutter M8



RENAULT PREMIUN:

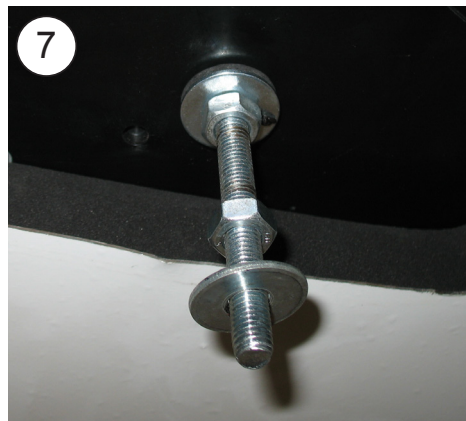
6b

Baugruppe mit nach innen gerichteten Rillen in die Anlage einbauen, um Kollision mit den Befestigungen des Bezugs zu vermeiden.



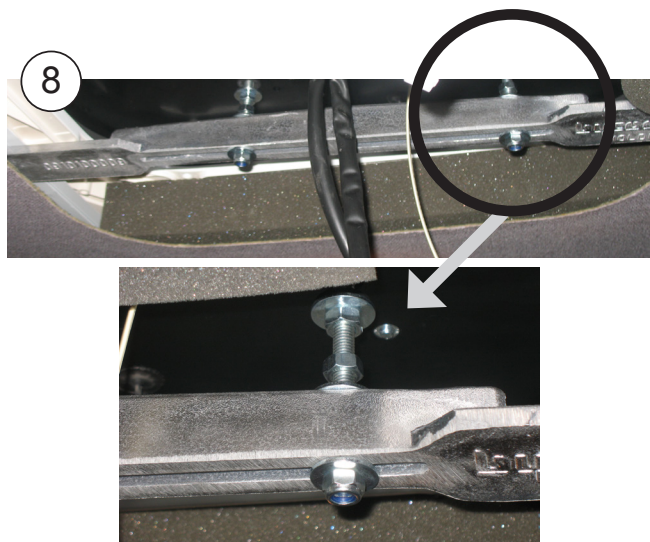
7

Montieren Sie wie folgt:
Gummischeibe / 3D Unterlegscheibe / Mutter
/ Gewindestange.



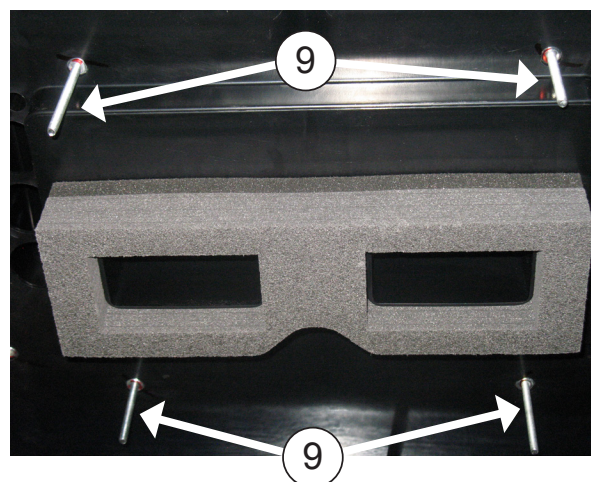
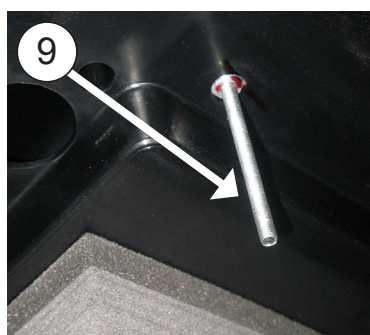
8

Befestigungsauflagen (2) mit einer
Unterlegscheibe (1) und einer Autobloc-Mutter
(1) M8 einlegen, **jedoch ohne anzuziehen**.



9

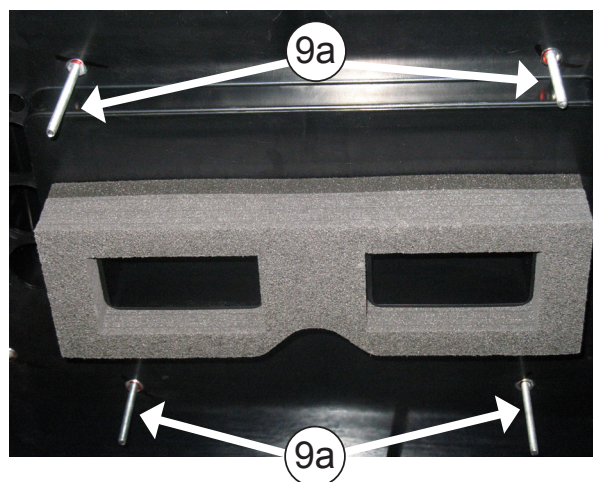
10 mm Gewinde für die Stiftschrauben (4) M6
x 80 am angegebenen Punkt schneiden laut
Distanz (D) beschrieben in Abbildung 18.



RENAULT PREMIUN:

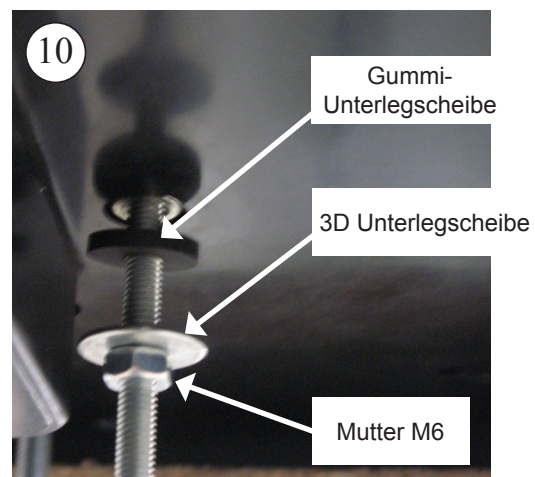
9a

Gewinde für die Stiftschrauben (4) M6 x 80 bis machendes Ende



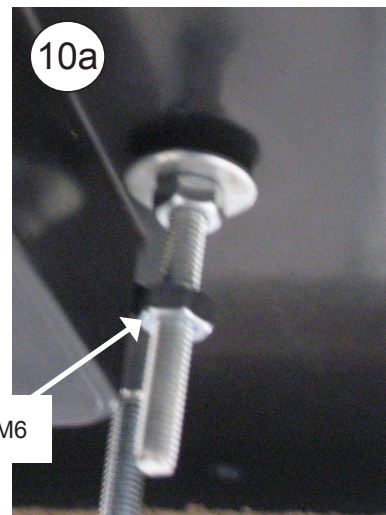
10

Montiere (1) Gummi-Unterlegscheibe, (1) 3D Unterlegscheibe (1) Mutter auf jede Gewindestange. Später ziehen Sie die Mutter an, bis die Gummischeibe ein wenig zusammengepresst ist.



10a

Jeweils die Mutter (1) M6 **ohne Anziehen** auf die Stiftschrauben legen.

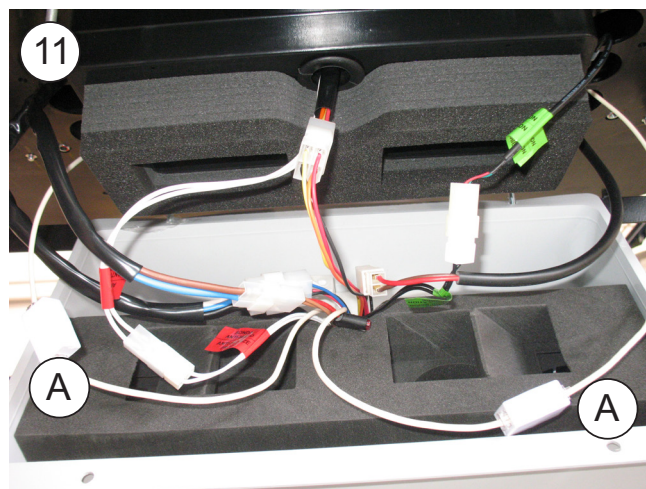


Mutter M6

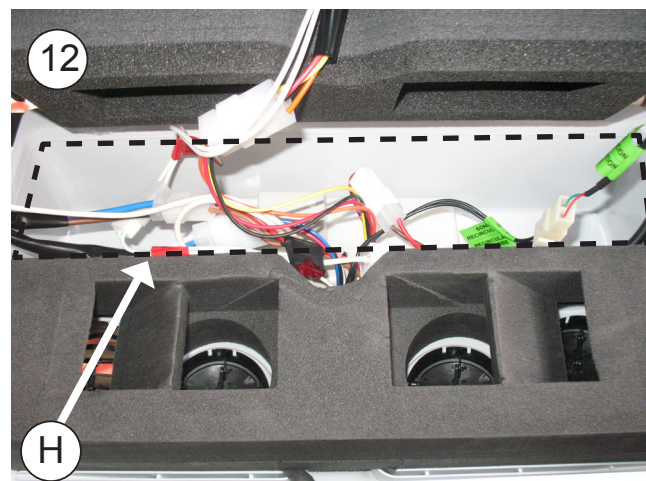
11

(2) Kommunikationskabel A, die (2) 4 Wege- und (4) 2 Wege-Kästen der Frontseite mit dem Compact entsprechend verbinden.

Dabei beachten, dass der mit den weißen Kabeln markierte Zwei-Wege-Kasten an dem im mittleren Bereich des Geräts mit den weißen Kabeln heraustretenden Stecker anzuschließen ist.

**12**

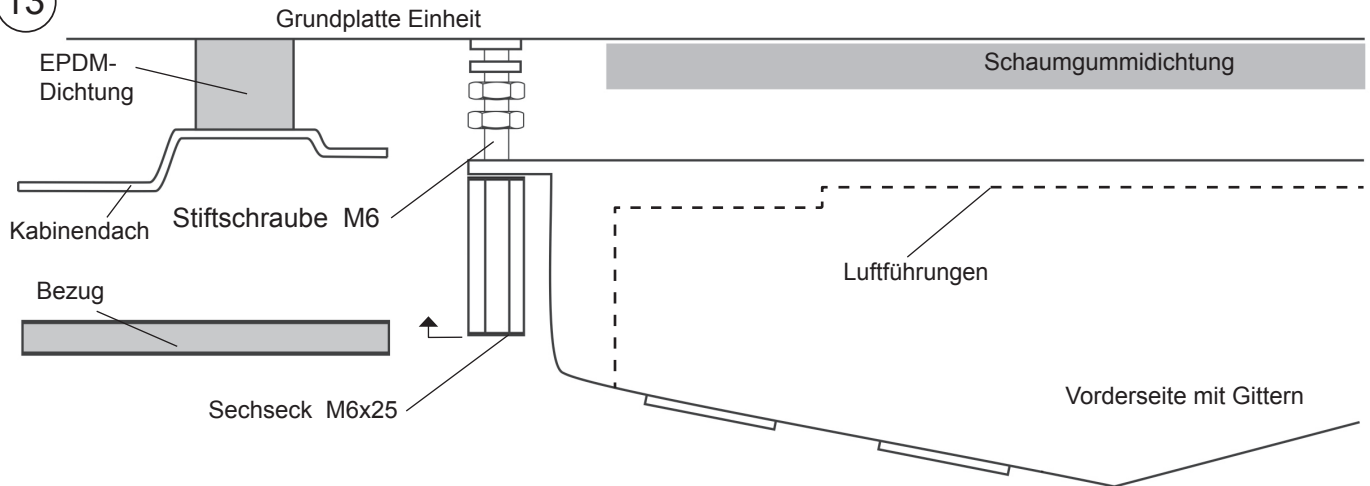
Kabel in die an der Frontseite vorhandene Öffnung (H), um die Einstellung der Kanalisierereinrichtungen an der Gerätebasis nicht zu stören.



13

Die Vorderseite des Verdampfers mit jeweils einer breiten Unterlegscheibe hexagonalen Distanzstücken M6x25 Stiftschrauben legen.

13



14

Die Konsole aufsetzen und das Gerät an der am besten geeigneten Stelle des Kabinendachs zentrieren. Nach der Zentrierung die Konsole für die nachfolgende Montage abnehmen.



15

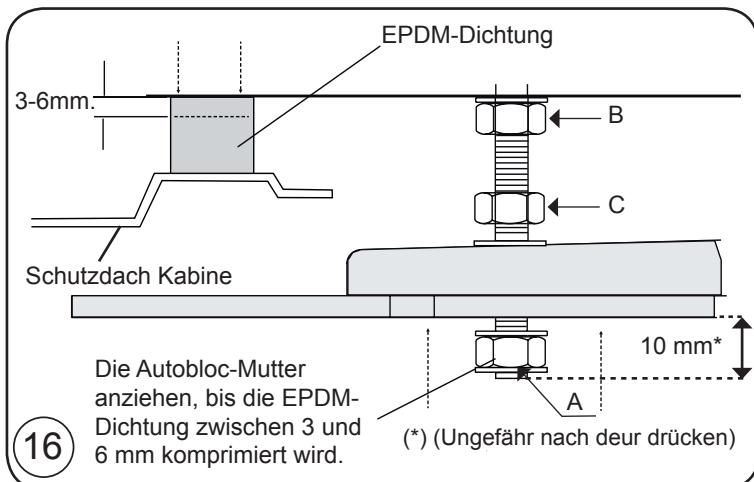
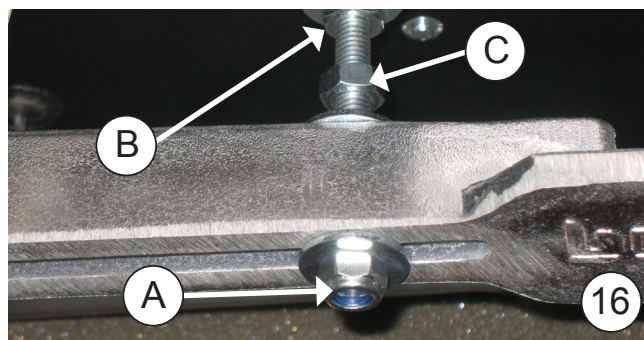
Die Halterungen durch Anziehen der Muttern befestigen, bis die EPDM-Dichtung (Punkt 3) des Geräts zwischen 3 und 6 mm komprimiert wird;

Wichtiger Hinweis: Um das Eindringen von Wasser in die Kabine zu verhindern, die die Verbindung der EPDM-Dichtung mit der Grundplatte des Compact wie in Schema gezeigt überprüfen.



16

Die Muttern (4) M8 (B) anziehen, um sie an der Grundplatte zu befestigen (C).



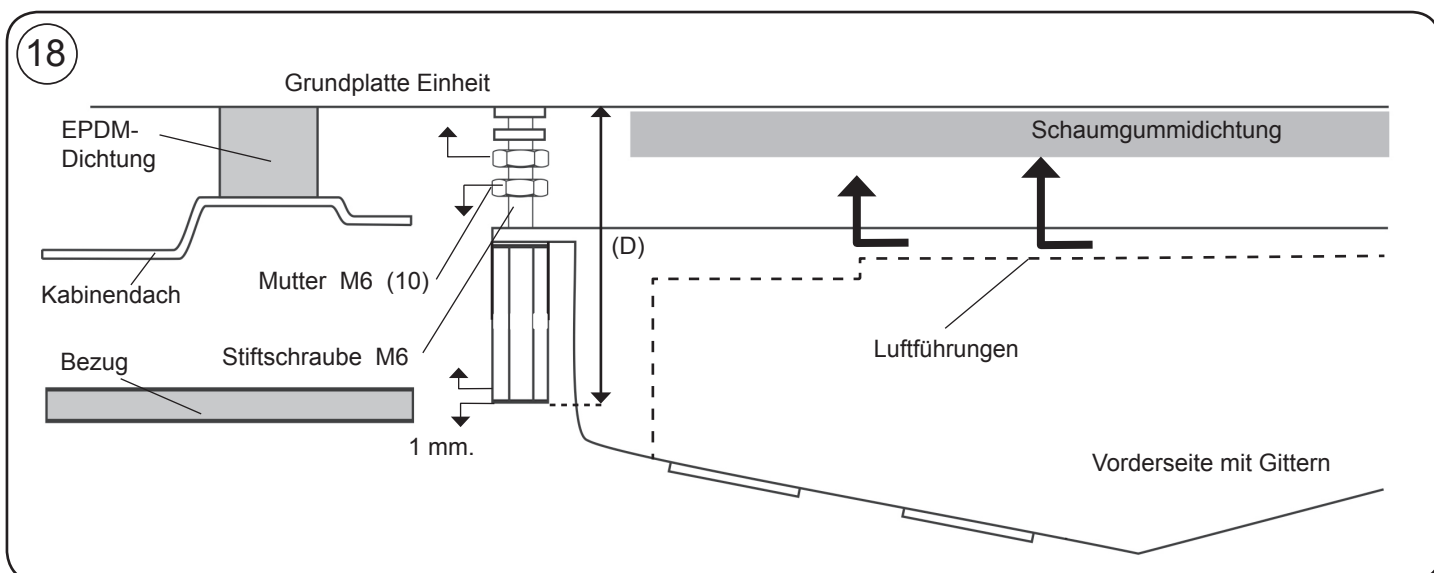
17

Sechskantschrauben anziehen, bis die Führungen ineinander einpassen.



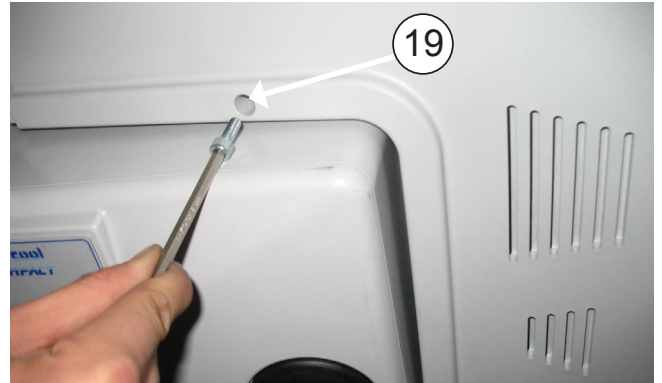
18

Die in Punkt 10 angegebene Mutter anziehen, bis diese die obere Fläche der Vorderseite berührt.



19

Die Konsole anhand von (4) Inbusschrauben M6/100x15 anbringen.

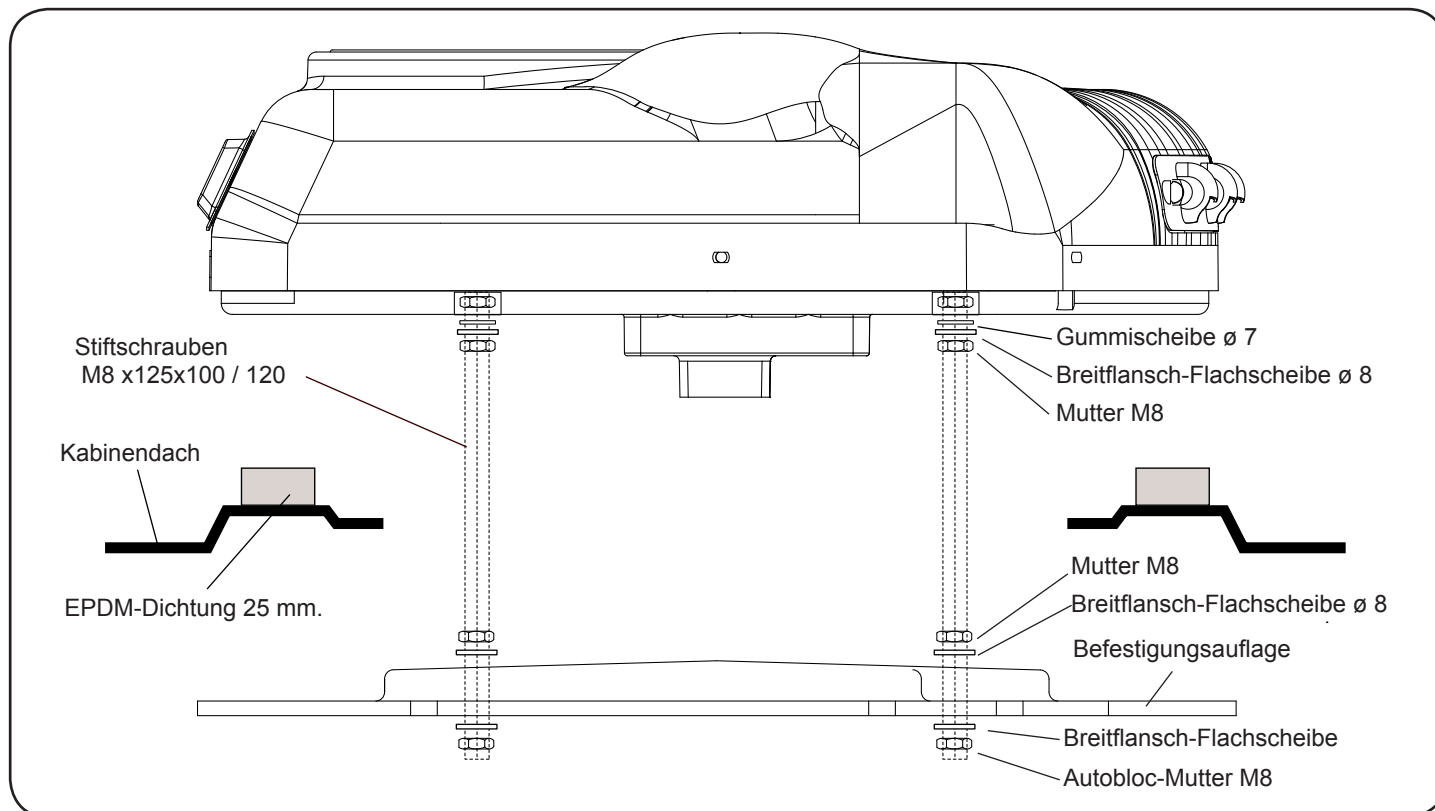


20

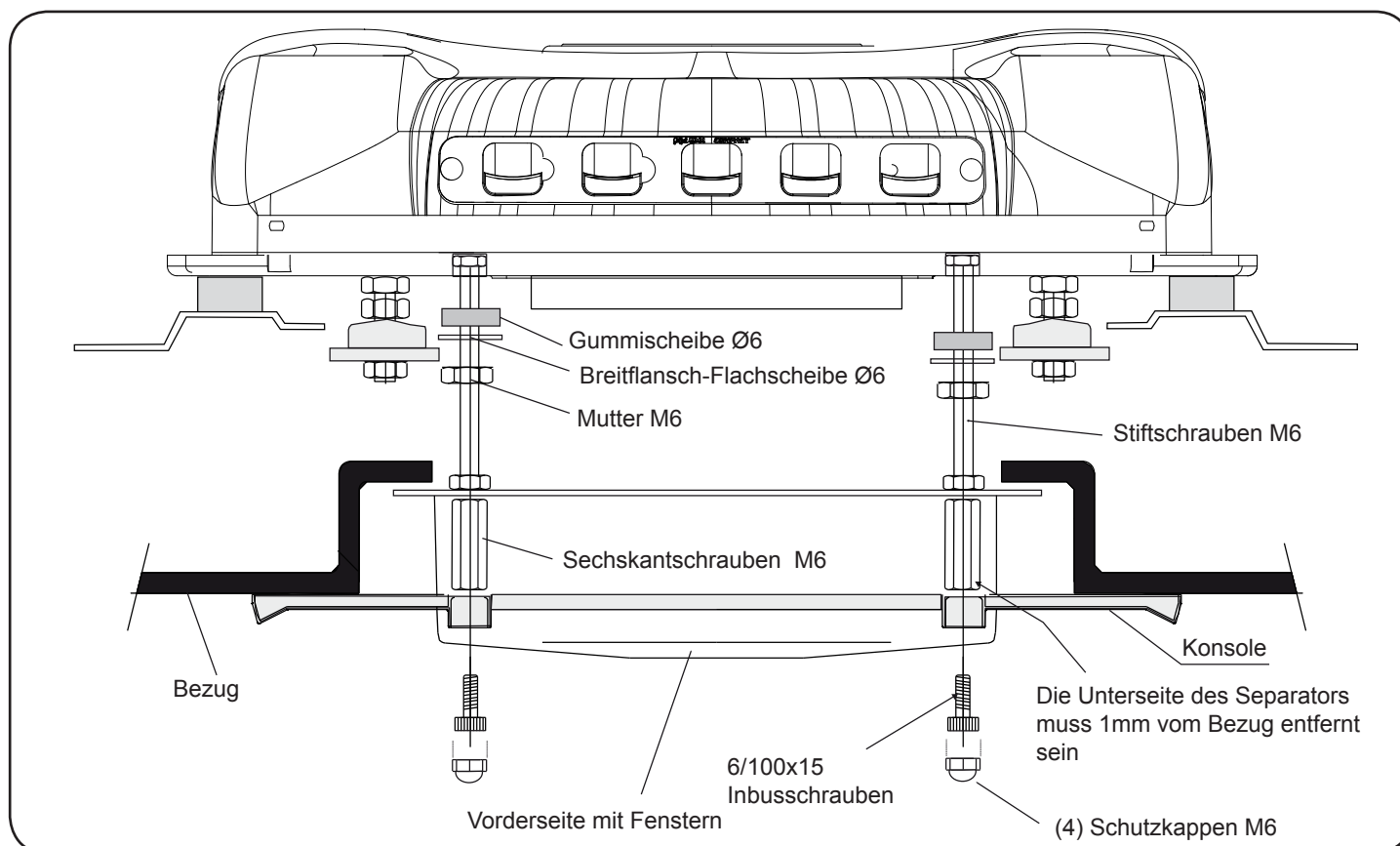
Die Köpfe der Inbusschrauben (4) M6/100x15 mit Kunststoffkappen M6 abdecken.



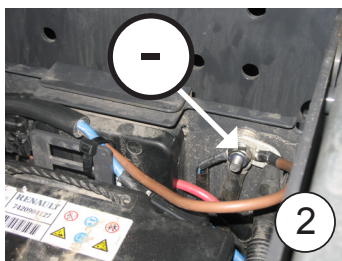
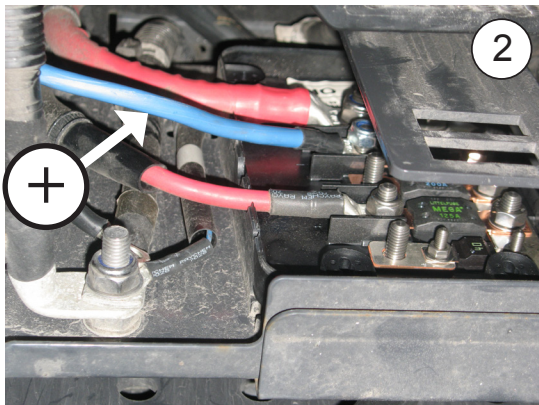
Explosionsansicht bis zur befestigung der befestigungsauflagen



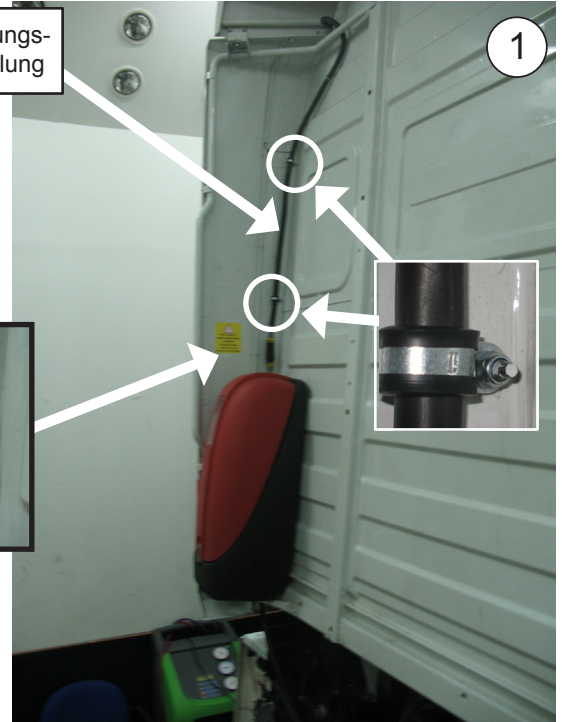
Explosionsansicht bis zur befestigung der konsolen



Ausführliche Einleitungen über die Installation der Verkabelungsleitung



Versorgungs-
verkabelung

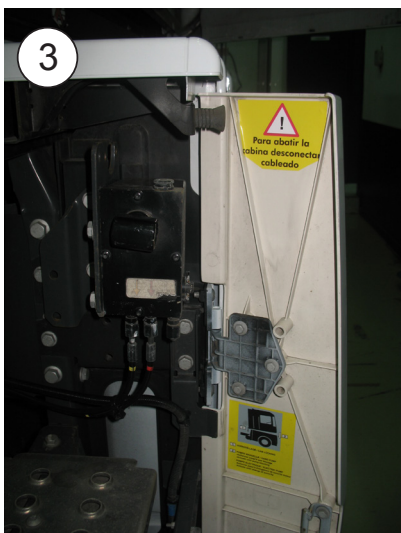


- 1- Oberes Stromversorgungskabel an die Rückseite des Geräts anschließen und um die Kabinenrückseite führen. Dabei die Kunststoffhalter ankleben und mit den Kabelbindern fixieren.
- 2- Unteres Stromversorgungskabel an die Kiste von schmelzbar das + und im Zentrum der Massen der eine -anschießen. Dieses durch den ursprünglichen Kabeldurchgang, befestigt mit Kabelbindern, hin zur Kabinenrückseite führen, um es mit dem oberen Stromversorgungskabel zu verbinden.

BEIM VERBINDEN DER KABEL, AUSREICHEND ABSTAND LASSEN, UM EINEN DURCH DIE KABINENBEWEGUNGEN BEDINGTEN BRUCH ZU VERMEIDEN!

WICHTIG: Aufgrund der Komplexität des elektronischen Regelsystems des Geräts, muss der Stromanschluss direkt an der Fahrzeugbatterie erfolgen.

WICHTIG: Zur Inbetriebsetzung Bedienerhandbuch heranziehen.



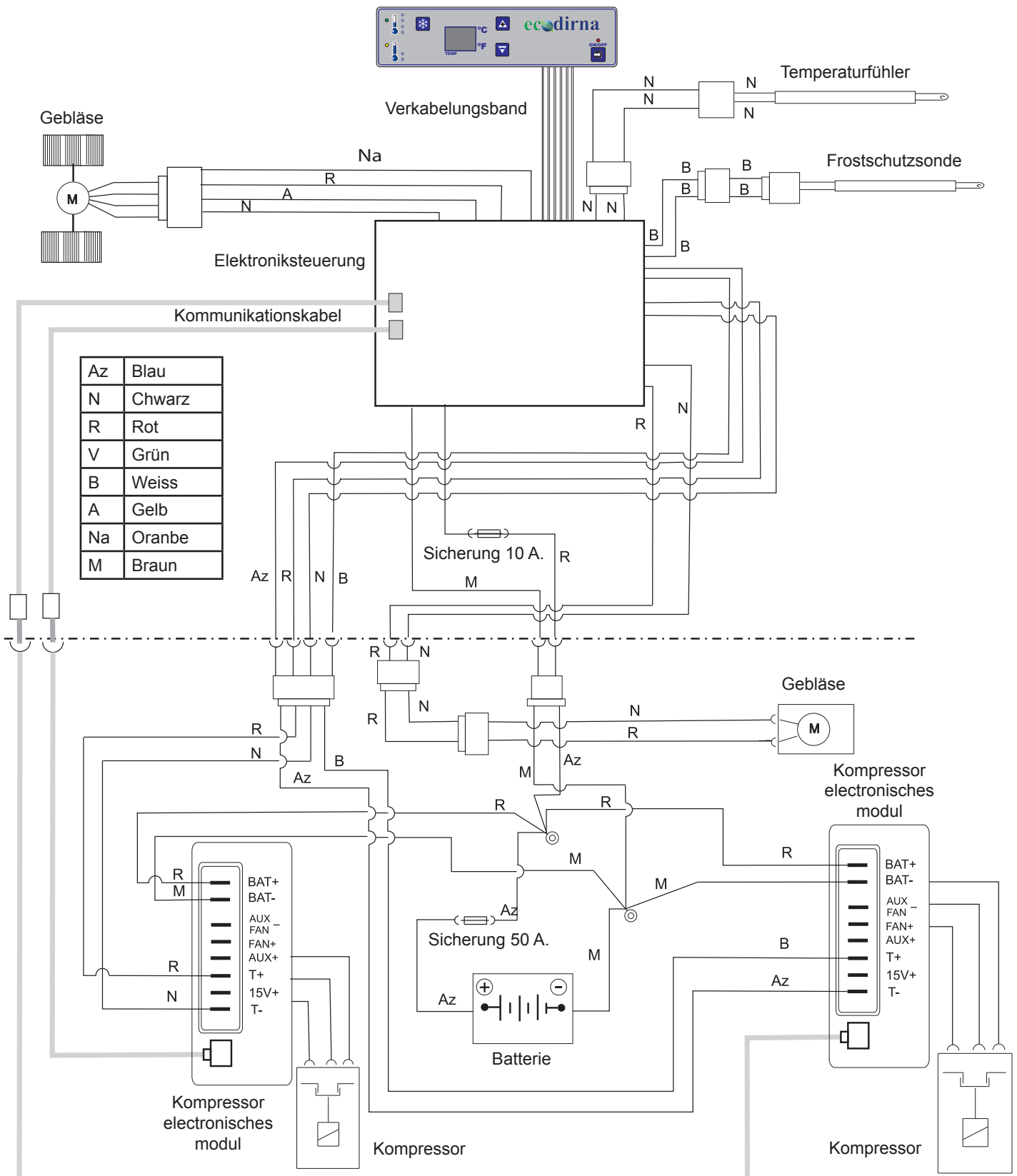
- 3- Gefahrenkleber an Kabelverbindung und Kabinenhebevorrichtung anbringen.



Elektrische Verkabelung

WICHTIGER WARHNHINWEIS!

Darauf achten, dass die Polaritäten beim Anschluss der Stromversorgung an das Gerät nicht vertauscht werden. Ist dies der Fall, schaltet sich die Elektroniktafel nicht ein, das Gerät funktioniert nicht und es kommt zu irreparablen Schäden an den Kompressormodulen.



Suggerimenti per il montaggio

- Prima di cominciare il montaggio, leggere attentamente le istruzioni e rispettarle nel corso dello stesso.
- Usare gli attrezzi più adatti ad ogni operazione.

Elettricità

- Scollegare la chiave di contatto.
- Scollegare la batteria prima di cominciare il montaggio.
- Assicurarsi di avere effettuato correttamente l'installazione e il collegamento dei componenti elettrici.

Attenzione

Se durante il montaggio si inclina l'impianto, prima di rimetterlo in funzione occorre attendere almeno 60 minuti dal momento in cui è di nuovo in posizione orizzontale.

Attenzione

Quando si installa l'impianto di aria condizionata sul tettuccio, bisogna proteggere la parte superiore della cabina con uno straccio o una coperta per evitare eventuali graffi. Per l'installazione del **Compact**, tenere presente che normalmente le cabine munite di oblò dispongono di una struttura abbastanza solida per sostenere il peso dell'impianto. Tuttavia, se così non fosse e se fosse necessario tagliare il tettuccio, o se in presenza di oblò la struttura non fosse abbastanza rigida (se fosse di fibra, plastica, ecc.), è responsabilità dell'installatore decidere se occorre rinforzare il tettuccio per evitare qualsiasi deformazione, rottura o penetrazione d'acqua, ecc., prendendo le misure necessarie per evitarlo.

Attrezzi

Kit di chiavi Torx
Kit di chiavi Allen
Chiave fissa 10, 13, 14
Forbici
Metro a nastro

Documentazione allegata

Istruzioni di montaggio	220.AA6.0901
Guida dell'utente	220.AA6.0057
Soluzione dei problemi	220.AA6.0058
Garanzia	220.AA1.0017

Simbologia



Fragile



Attenzione alle mani



Tensione elettrica pericolosa

Avvertenze



L'installatore deve essere in possesso della formazione necessaria in materia di aria condizionata per veicoli.



dirna Bergstrom, s.l. declina ogni responsabilità per danni o rotture derivanti dall'errata installazione o dall'errato uso dell'impianto o da sostituzioni o modifiche effettuate senza la necessaria autorizzazione per iscritto.



Impianto precaricato con gas refrigerante. (Non manomettere il circuito di gas refrigerante).



Vedi la **procedura di garanzia** del prodotto in **Diagnosi dei problemi**.



Vedi la **Guida dell'utente** dell'impianto per il corretto funzionamento del telecomando e del pannello di controllo.



I seguenti documenti devono essere consegnati all'utente una volta conclusa l'installazione: **Guida dell'utente, Garanzia e Diagnosi dei problemi**.



Prima di iniziare il montaggio, installare la griglia sull'entrata anteriore dell'aria.



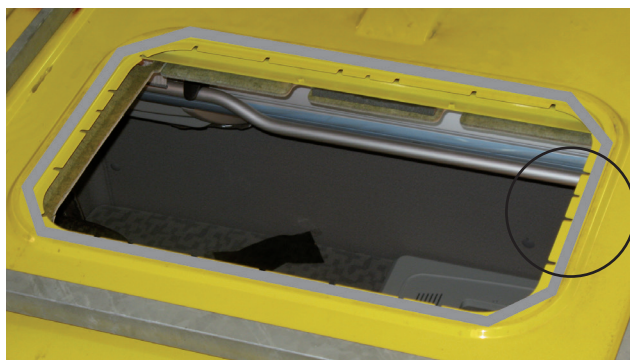
1

Smontare il coperchio dell'oblò, gli elementi di fissaggio e consegnarli al cliente.



2

Eliminare i residui di adesivo dalla superficie superiore della cabina prima di incollare la guarnizione EPDM.



3

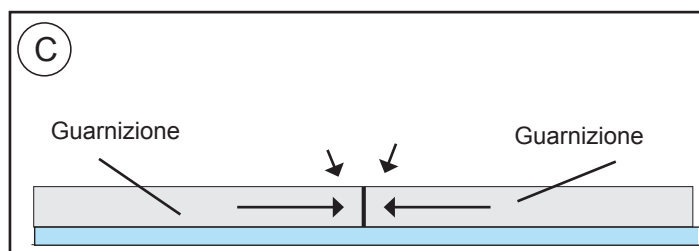
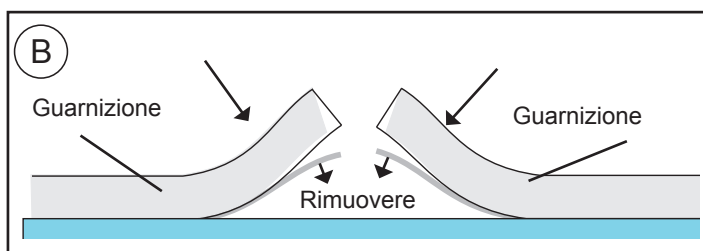
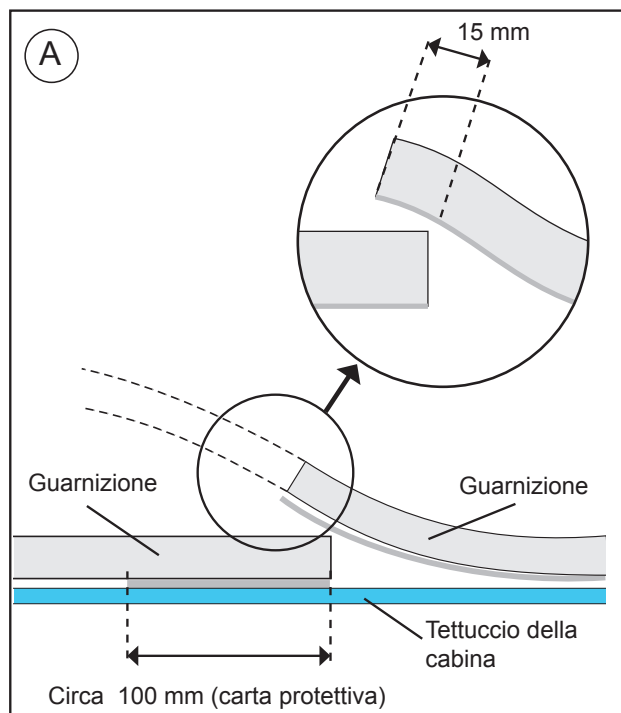
Incollare la guarnizione EPDM intorno al foro dell'oblò (vedi particolare per tagliare i bordi).





COME TAGLIARE LA GUARNIZIONE EPDM PER EVITARE INFILTRAZIONI NELLA CABINA

- A- Incollare la guarnizione mantenendo una protezione di carta di 100 mm su ogni lato.
- B- Rimuovere i due pezzi di carta.
- C- Incollare premendo su entrambe le estremità.

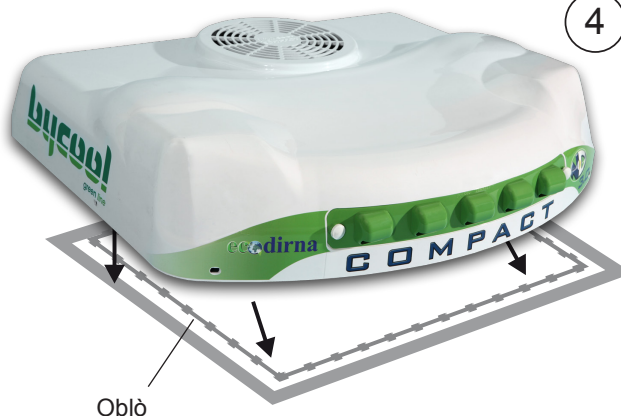


4

ESTERNO CABINA:

Inserire il Compact nel vano.

Attenzione! Quando si posiziona l'impianto sul vano del tettuccio apribile, controllare che le uscite di scarico non siano ostruite dalla guarnizione EPDM.



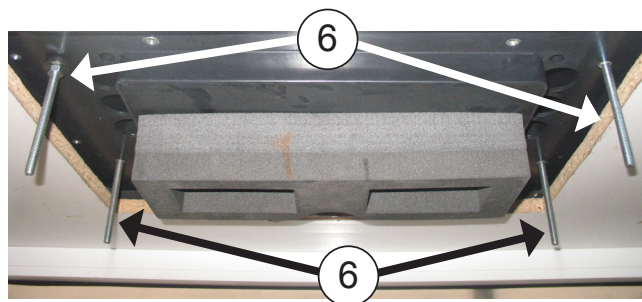
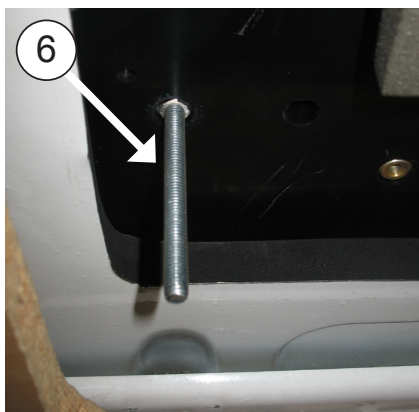
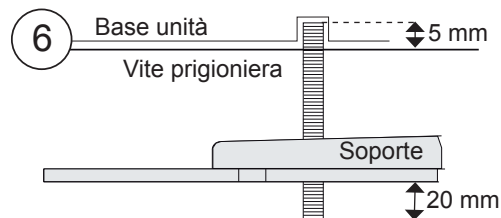
5

Montare il canalizzatore di gommapiuma con la parte più morbida sulla base dell'impianto.



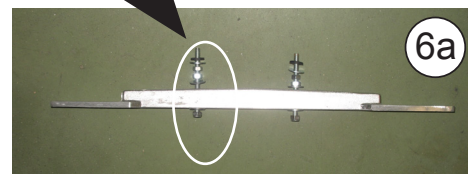
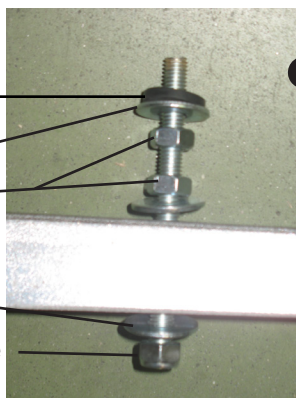
6**INTERNO CABINA:**

Avvitare di circa 5 mm le (4) viti prigioniera da 8/125x70, 100 o 120 mm, a seconda della distanza (maggiore o minore) dall'impianto finché, posizionando i supporti di fissaggio, le viti non sporgono di 20 mm dagli stessi.

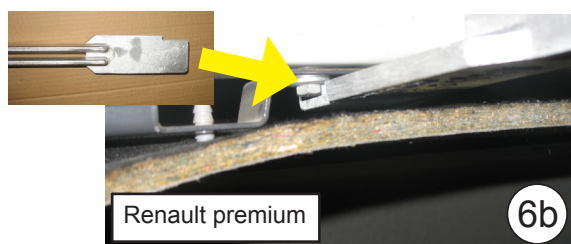
**RENAULT PREMIUN:****6a**

Inserire Vite prigioniera M8x100 dove indicato.

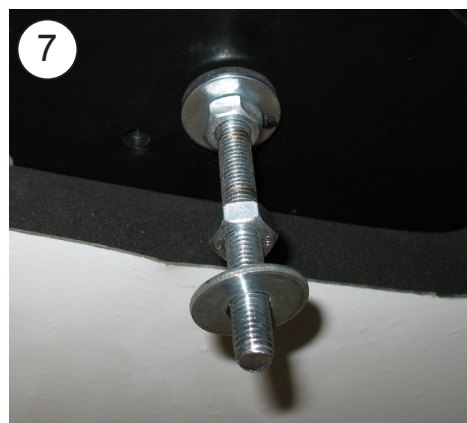
Rondella gomma Ø6
 Rondella piana a testa larga Ø8
 Dado M8
 Rondella piana Ø8
 Dado M8 autobloccante

**RENAULT PREMIUN:****6b**

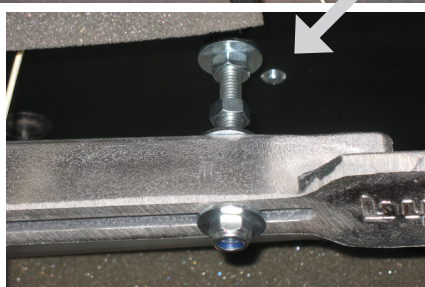
Montare l'insieme sul dispositivo con le filettature rivolte verso la parte interna per liberare le viti dai supporti di fissaggio della tappezzeria.



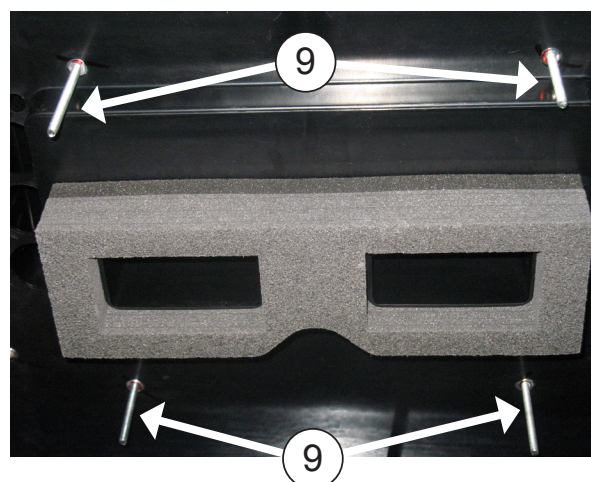
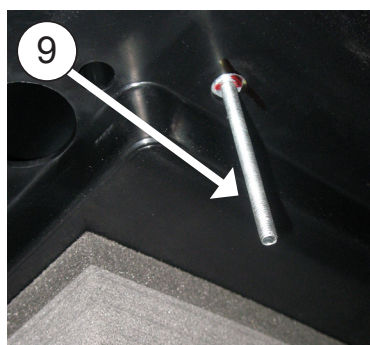
- 7** Inserire (8) rondella di gomma Ø 7, (1) rondella piana Ø 1 a testa larga, (2) dadi M8 e (1) rondella piana Ø 8 a testa larga, su ciascuna vite prigioniera precedente, seguendo questo ordine.



- 8** Fissare i supporti di fissaggio (2), con una rondella (1) e un dado autobloccante (1) M8, **senza stringere**.

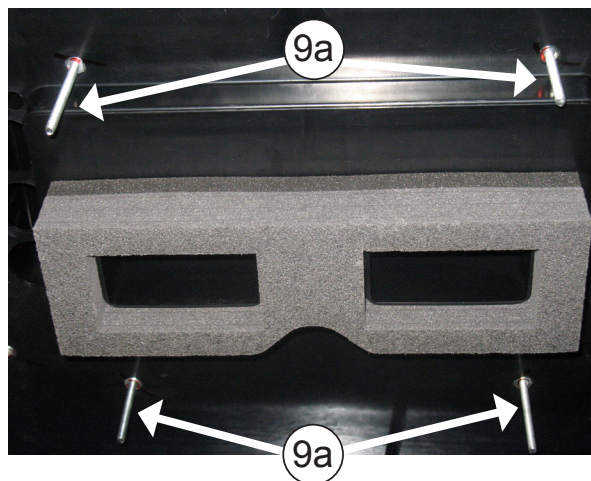


- 9** Avvitare di 10 mm i perni (4) M6 x 80, dove indicato distanza (A) segun nella a figura 18.

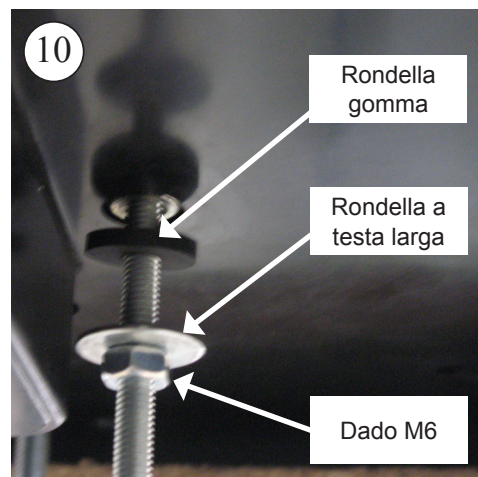


PARA RENAULT PREMIUN:**9a**

Stringere i viti M6x80 finché i ottenere una compressione.

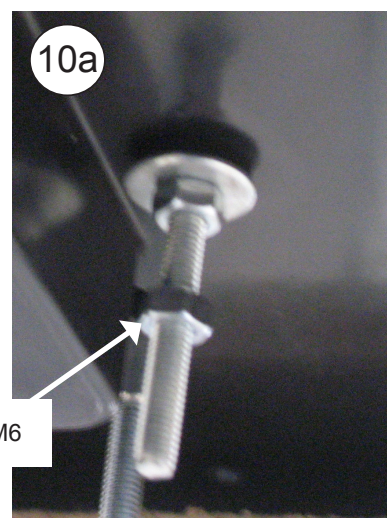
**10**

Inserire (1) rondella Ø 6 di gomma, (1) rondella piana Ø 6 a testa larga e (1) dado M6 su ogni vite prigioniera M6. Quindi stringere il dado fino a premere leggermente la rondella di gomma.



10a

Inserire il dado (1) M6 senza stringere in ogni vite prigioniera.

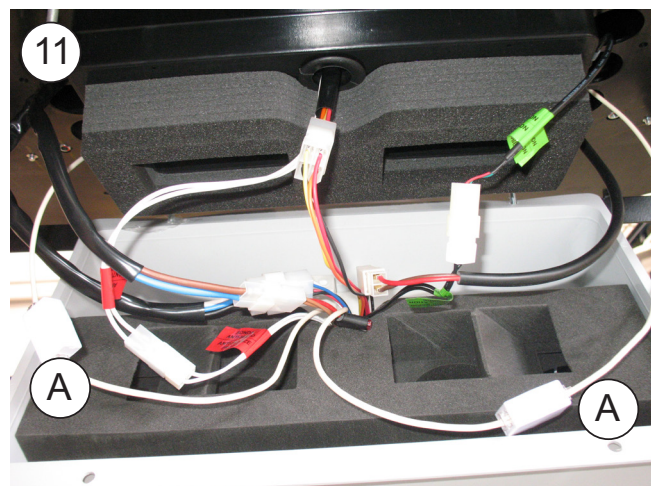


Dado M6

11

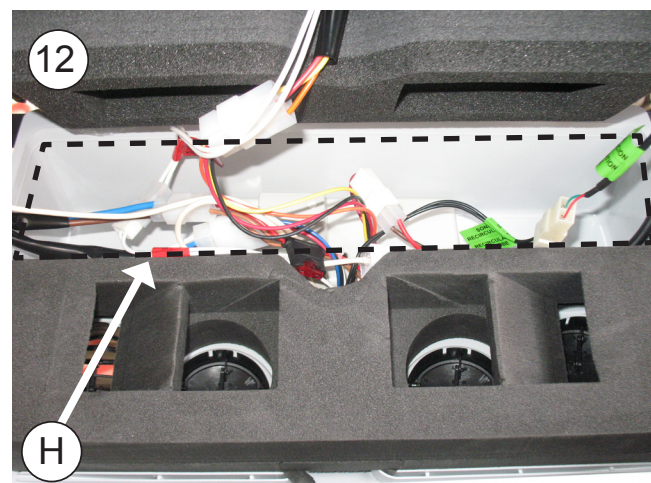
Collegare i (2) cavi di comunicazione A, le (2) scatole a 4 vie e (4) a 2 vie, della parte frontale, al Compact.

Tenere conto che la scatola a due vie contrassegnata con i cavi bianchi si collega al connettore con i cavi bianchi che esce dalla parte centrale dell'impianto



12

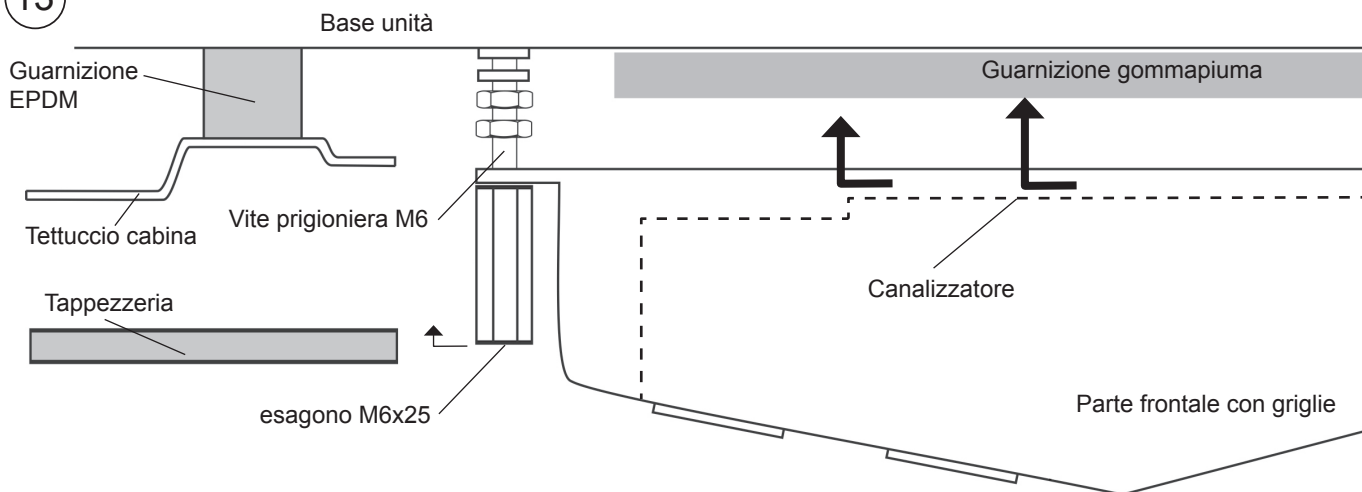
Inserire i cablaggi nel vano esistente (H) sulla parte frontale per non interferire con la base dell'impianto nella regolazione dei canalizzatori.



13

Posizionare la parte frontale dell'evaporatore sulle viti prigioniera citate in precedenza ed inserire una rondella (1) sep.esagonali M6 x25 su ogni vite prigioniera

13



14

Inserire la consolle e centrare l'impianto nella parte più adatta del tettuccio della cabina. Una volta centrato, rimuovere la consolle per la successiva installazione.



15

Fissare i supporti stringendo i dadi (A) fino a comprimere, tra 3 e 6 mm, la guarnizione EPDM (**Punto 3**) dell'impianto;

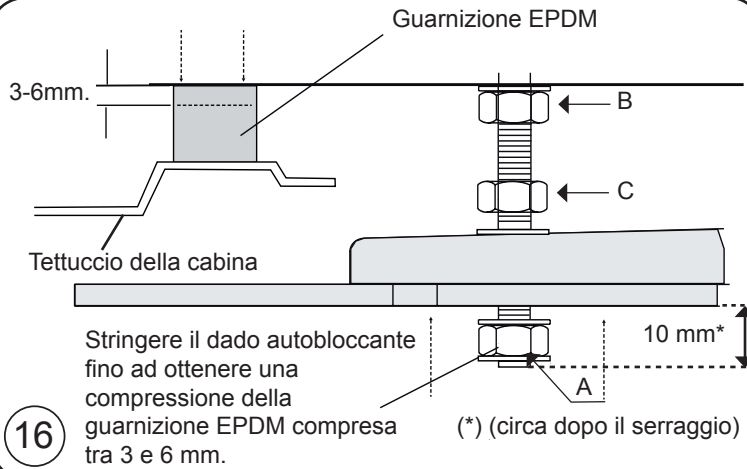
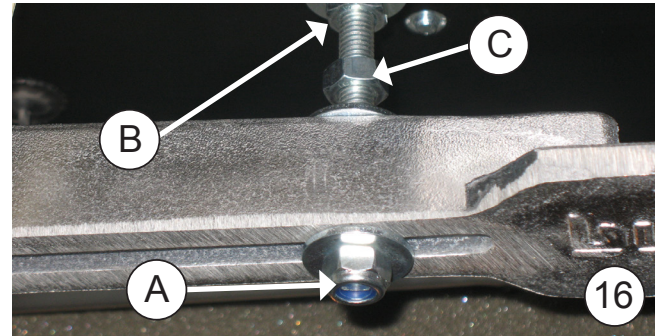
Nota bene: Per evitare che infiltrazioni d'acqua nella cabina, verificare il serraggio della guarnizione EPDM con la base Compact base, come illustrato nel Diagramma.



Comprovare la compressione della guarnizione EPDM usando un flexometro nelle quattro angoli.

16

Stringere i dadi (4) M8(B) per fissare a (4) (C) l'unità base.



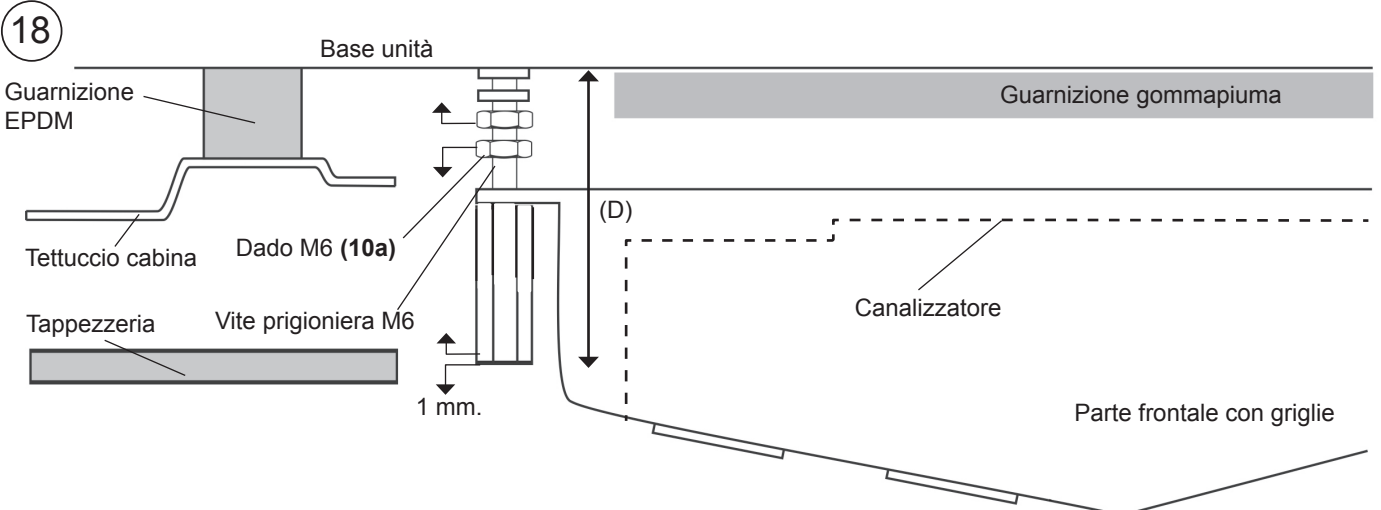
17

Stringere le viti esagonali fino ad allineare i canalizzatori tra di loro.



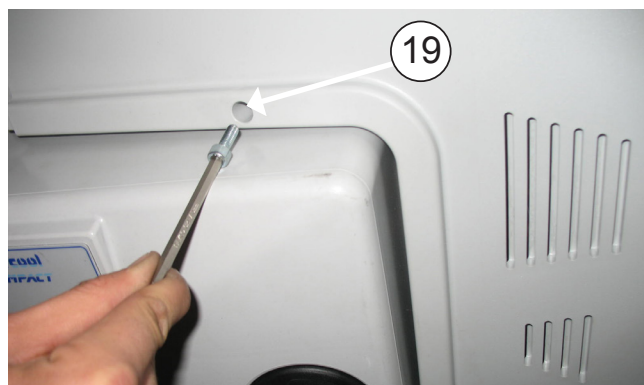
18

Stringere il dado indicato al punto 10 finché non tocca la superficie superiore della parte frontale.



19

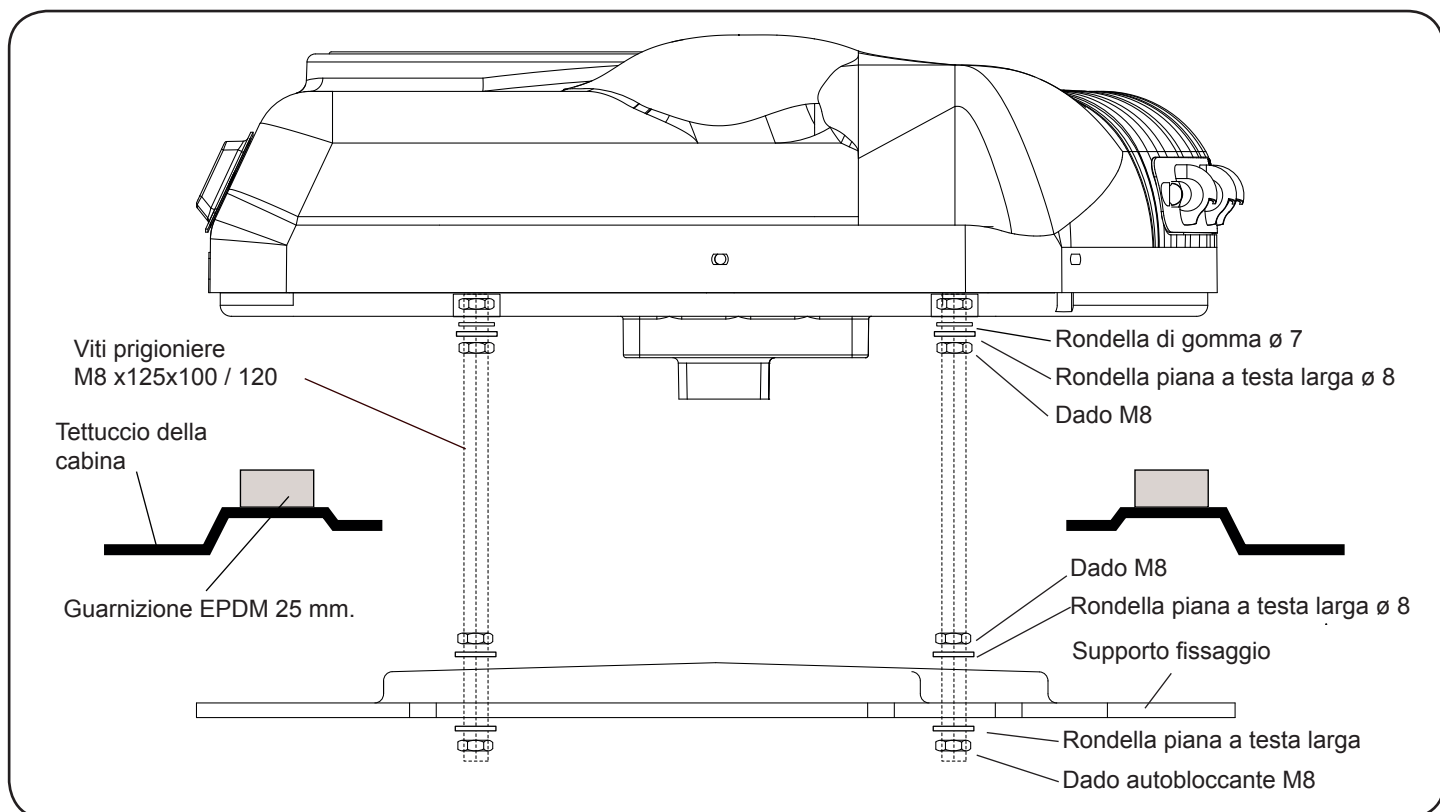
Posizionare la consolle usando (4) viti a brugola M6/100x15.

**20**

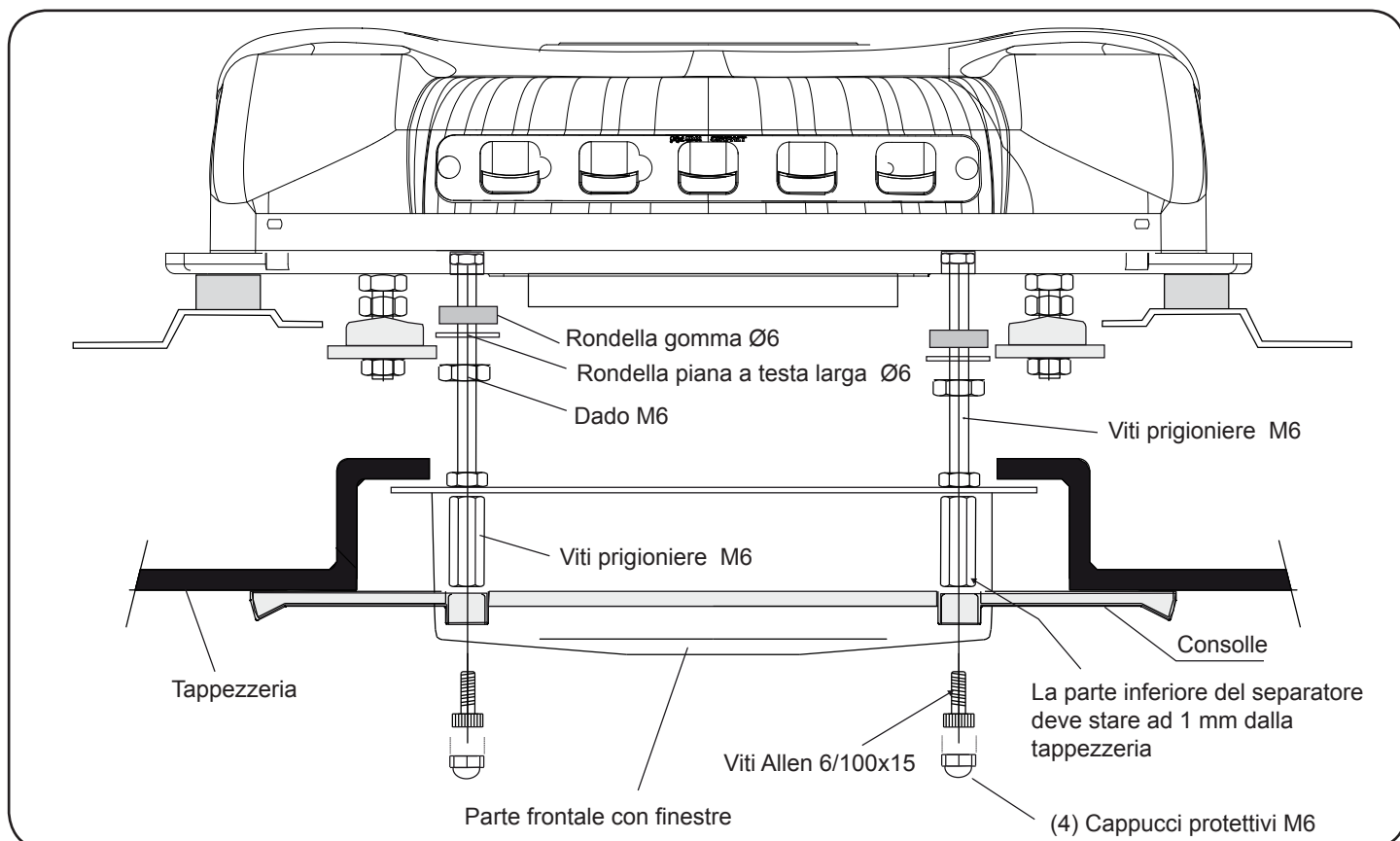
Collocare sugli stessi le decorazioni rotonde di plastica M6.



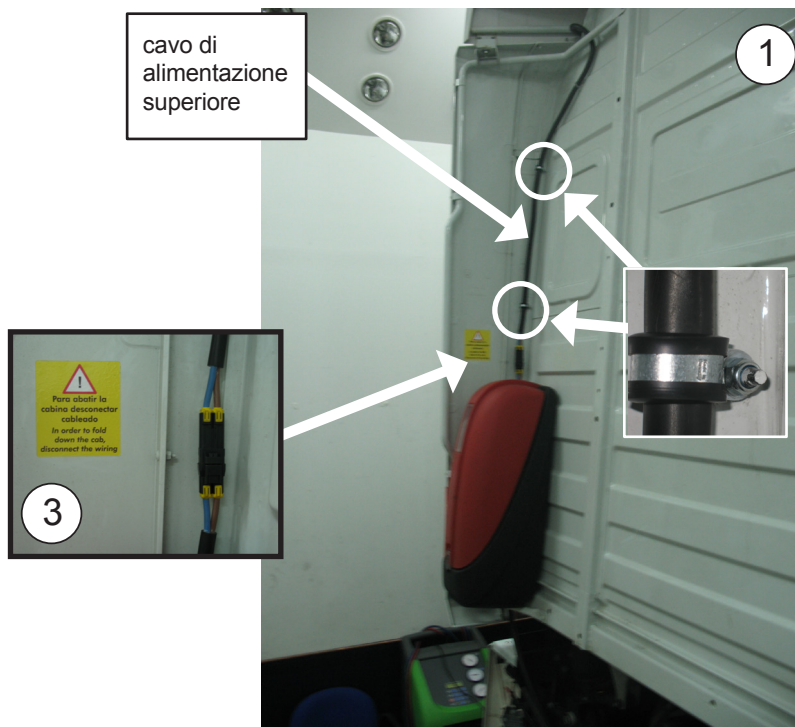
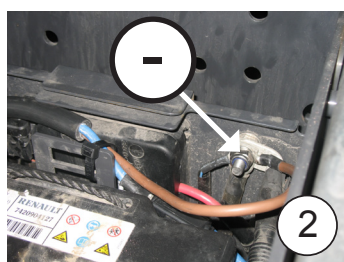
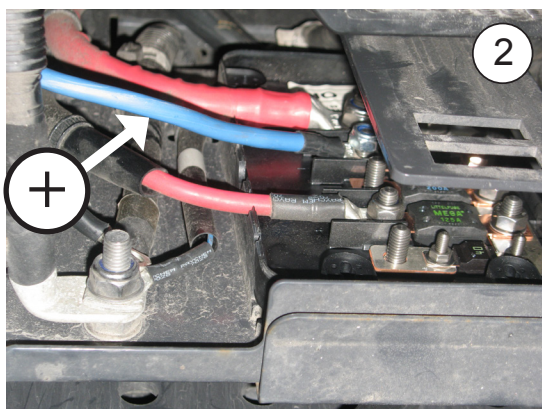
Esploso fino al fissaggio dei supporti di fissaggio



Esploso fino al fissaggio della consolle



Istruzioni dettagliate Sull'installazione del cablaggio di alimentazione

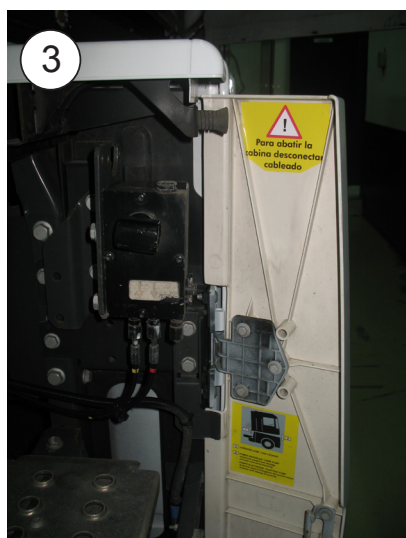


- 1- Collegare il cavo di alimentazione superiore nella parte posteriore dell'impianto e farlo scorrere lungo la parte posteriore della cabina incollando i supporti di plastica e fissandolo con le flange.
- 2- Collegare il cavo di alimentazione inferiore in Scatola di fusibili il + e nel centro di masse quello -facendolo scorrere lungo il passaggio originale dei cablaggi, fissato con le flange, verso la parte posteriore della cabina, per effettuare il collegamento con il cavo di alimentazione superiore.

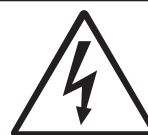
QUANDO SI COLLEGANO I CABLAGGI, RISPETTARE LA DISTANZA NECESSARIA PER EVITARNE LA ROTTURA CON I MOVIMENTI DELLA CABINA!

NOTA BENE: Dato il complesso sistema di regolazione elettronica dell'impianto, la corrente deve essere prelevata direttamente dalla batteria del veicolo.

NOTA BENE: Per la messa in funzione, vedi il Manuale dell'utente.



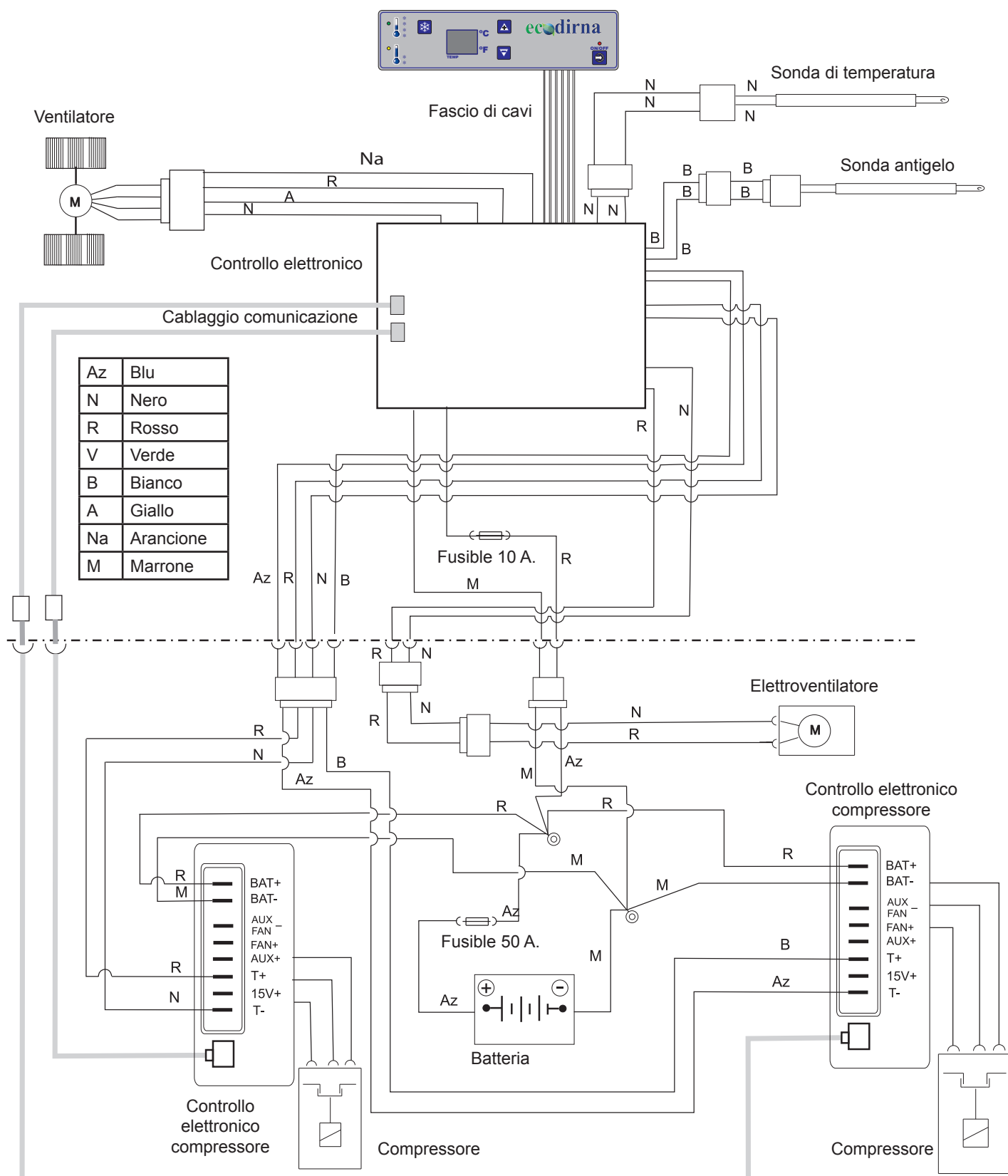
- 3- Apporre gli adesivi indicanti pericolo sulla giunzione del cablaggio e sul dispositivo di sollevamento della cabina.



Cablaggio elettrico

AVVISO IMPORTANTE!

Fare attenzione a non invertire le polarità effettuando la connessione dell'alimentazione all'impianto, altrimenti il quadro comandi non si accende, l'impianto non funziona e si potrebbero verificare danni irreparabili ai moduli dei compressori.



Range of Products

bycool!
green line

Air conditioning



COMPACT 1.4



COMPACT 1.6



COMPACT 2.0



COMPACT 3.0



bycool!
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Evaporative Cooler



FLAT



REVOLUTION



CAMPER



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NACIONAL

Centralita /Asistencia Técnica 918775841
Comercial 918775840
Fax 918836321
Email comercial@dirna.com

INTERNATIONAL

Tec. Assistance 0034 918775848
Fax 0034 918836514
Email: export@dirna.com
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