

RIFTER & BERLİNGO & COMBO (RIGHT & LEFT)

VELDO AUTOMATIC DOOR AND
STEP SYSTEMS



RIFTER & BERLINGO & COMBO

CONTENTS

- Equipment and tools 3-4
- Occupational Safety 5
- Parts of door system 6-8
- Working ways of door system9
- Security system of door system 9
- Assembling of door system 10 – 31
- Working and control of door system32 - 33
- Terms of guarantee of door system33

EQUIPMENTS AND TOOLS



Allen Key Kit



Double-side wrench



Ratchet Wrench Set



Air Socket Set



Air Drill



Air-powered saw



Cable scraper plier



Cordless Drill Set



Pliers Set



Rivet Nut Gun Set



Punch Set



Torx Screwdriver set

EQUIPMENTS AND TOOLS



Allen Key Kit



Double-side wrench



Ratchet Wrench Set



Marker Pen



Cleaning Spray



Zinc Spray



Double coated isolation tape

OCCUPATIONAL SAFETY



Safety Hat



Safety



Warning



Safety Gloves



Protective Glasses

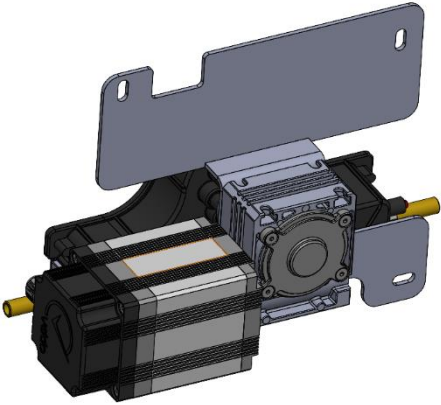


Mandatory

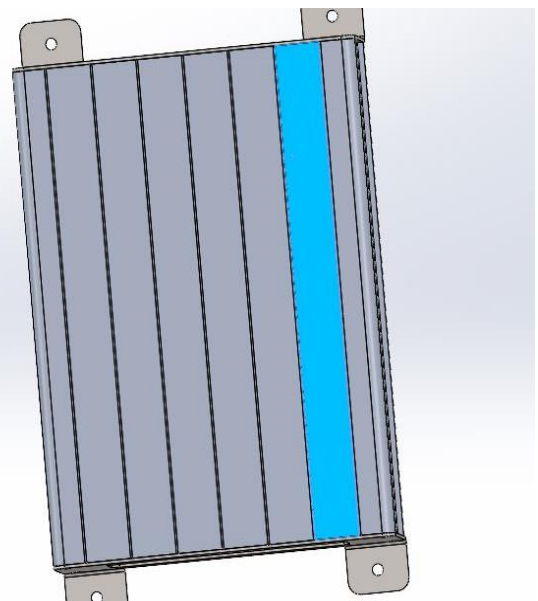
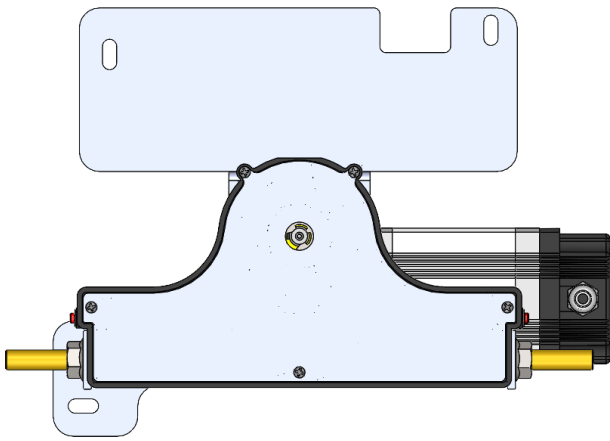


Mask

PARTS OF DOOR SYSTEM



Engine Group



Control Unit

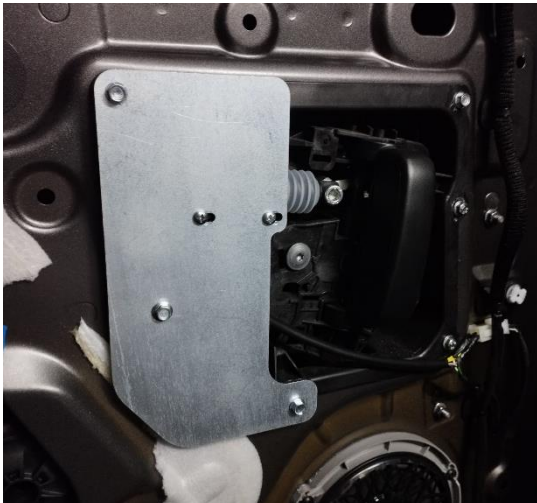
MAIN PARTS OF DOOR SYSTEM



Main system harness



In-door Electrical Installation: It provides less force to move the automatic door from the open position to the closed position.



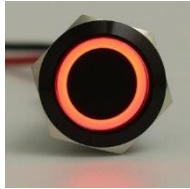
Unlocking system It is the mechanism that allows the door lock to be opened automatically, without any changes to the original locking mechanism of the vehicle door.

MAIN PARTS OF DOOR SYSTEM

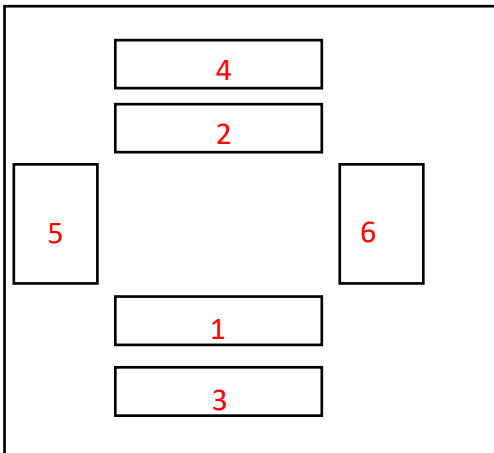


The door on/off button cable in the Veldo main system installation is brought from under the left trim and mounted under the steering wheel to the place shown in the picture.

Panel Button



Led = White
 (+) = Red
 Signal = White-Blue
 (-) = Black



White = plugs into socket No. 4
 White-Blue = plugs into socket No. 3
 Red = plugs into socket No. 5
 Black = plugs into socket No. 6

The back of the Panel Button

WORKING WAYS OF DOOR SYSTEM



1 – On-off button placed on the dashboard



2 – By vehicle door handle,



3 - By the inner door handle of vehicle.

SECURITY SYSTEM OF DOOR SYSTEM

Overcurrent Control: It is a security system that is switched on when the safety wick is failed

Use Controlled Security System: While the door is automatically closing, the door automatically opens when the users commands from the front panel button or the outer door opening handle.

ASSEMBLING OF DOOR SYSTEM



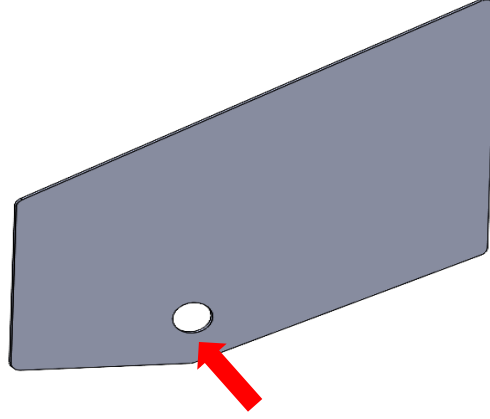
The rear interior trims are removed very vertically.



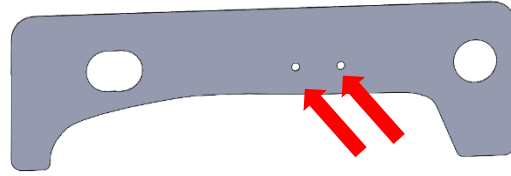
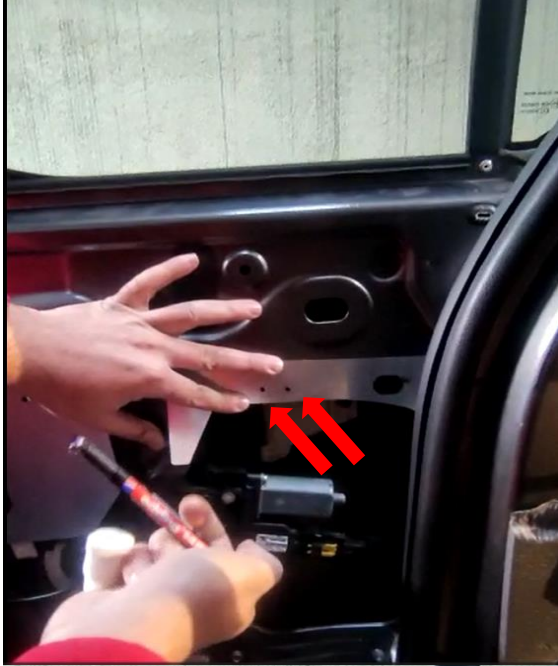
ASSEMBLING OF DOOR SYSTEM



ASSEMBLING OF DOOR SYSTEM



The installation location is marked with the help of the template to be used for the installation of the automatic glass sensor inside the door.



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İşaretlenen yerler $\varnothing 3,5$ mm matkap yardımı ile delinir.



ASSEMBLING OF DOOR SYSTEM



The thread is opened on the plastic with the **M5 guide**.

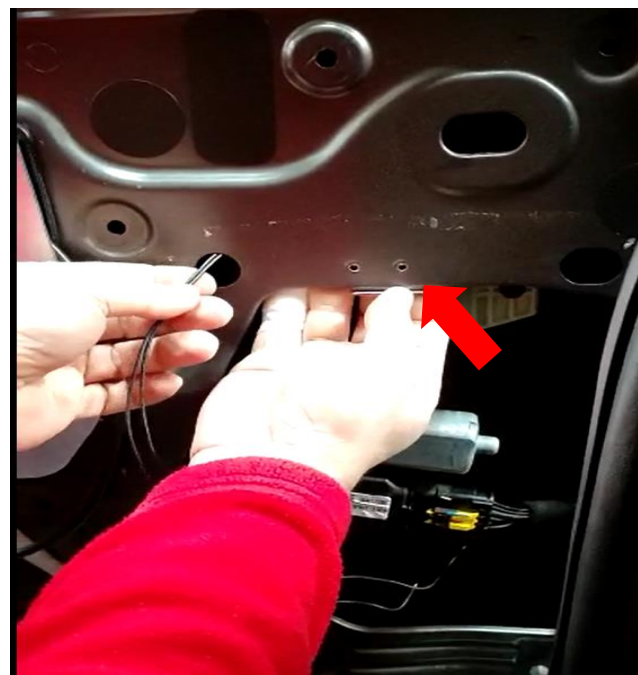


As can be seen in the figure, the magnet is fixed to the place where the thread is opened



After the magnet is fixed, it is clamped with an **M5 nut** from behind.





The Reedrol sensor is brought to the place we have marked with the template, as shown in the figure.

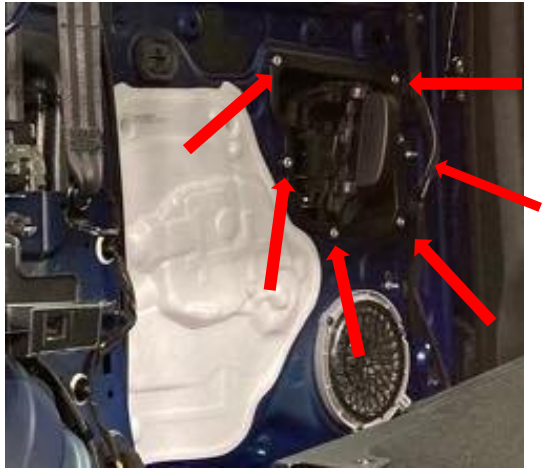


The reedrol sensor is fixed with the help of two screws as shown in the figure.

P.S: After this procedure, when the middle door window of the vehicle is opened, it will prevent the automatic door from opening. It is mandatory to carry out this installation for security purposes.



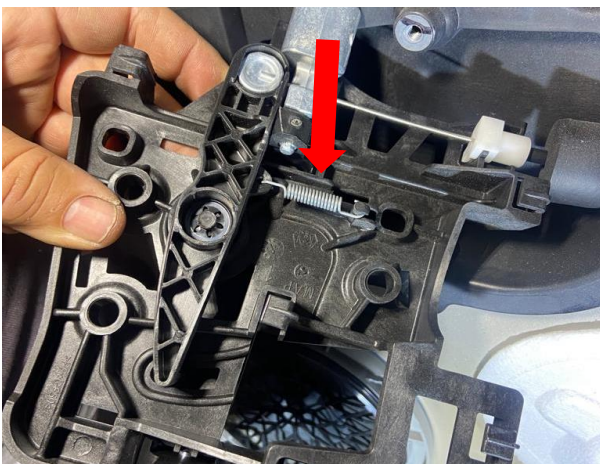
ASSEMBLING OF DOOR SYSTEM



In order to perform the installation process of the outer door handle switch, the rivets of the inner door handle are removed with the help of an $\varnothing 7 \text{ mm}$ drill the door handle mechanism is reached.



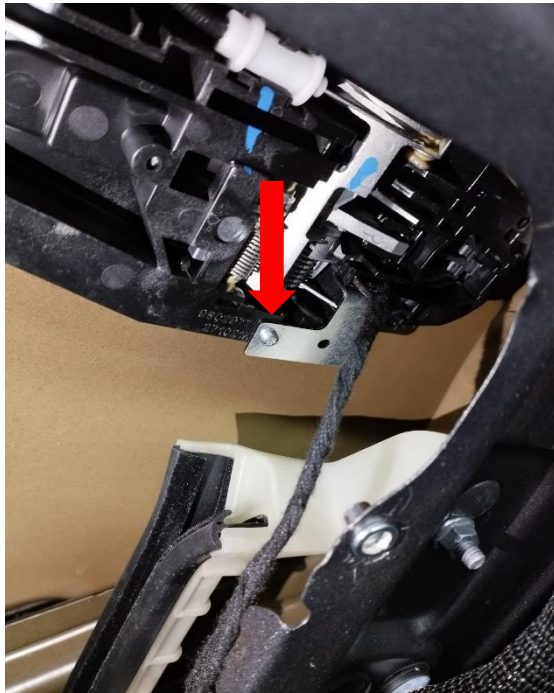
External door handle switch



The spring inside the outer door handle mechanism is removed.



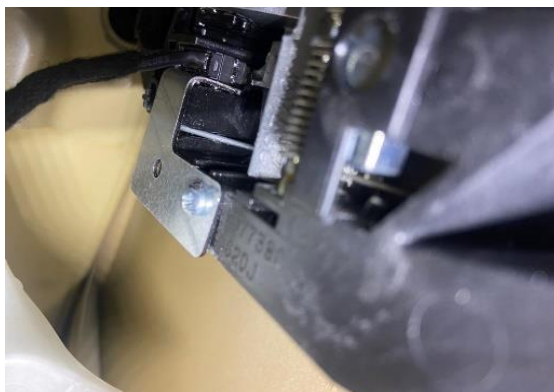
ASSEMBLING OF DOOR SYSTEM



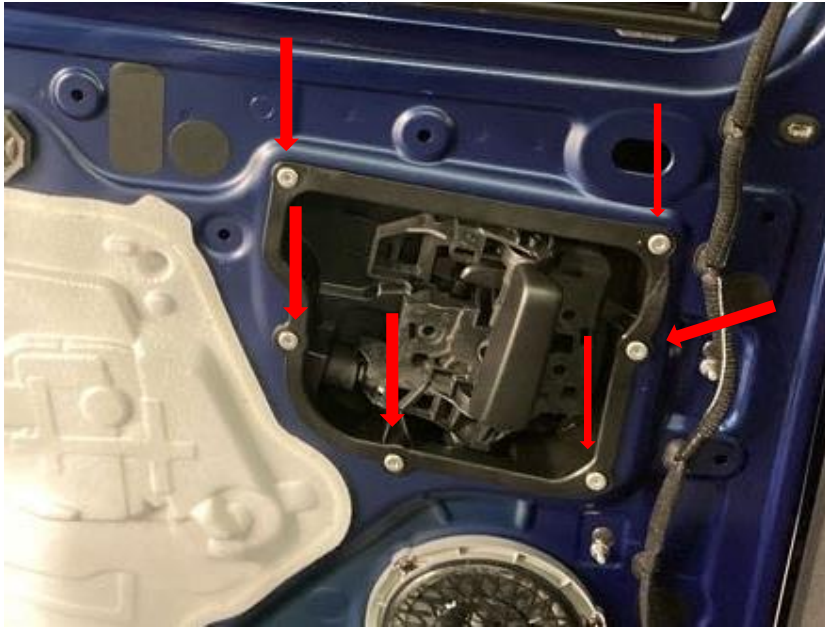
The installation process of the external door handle switch is carried out with **3,9x13** screws.



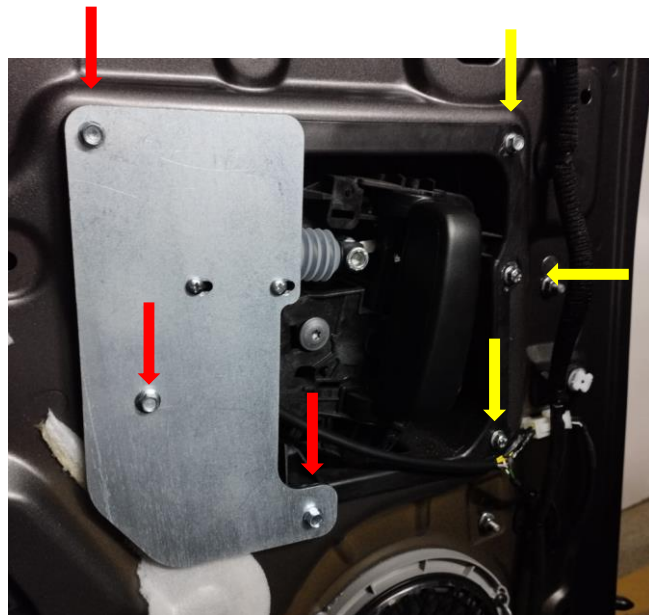
3,9x13 screw



ASSEMBLING OF DOOR SYSTEM



Unlocking Group: the **6 rivets** contained in the original locking mechanism of the vehicle are removed with a drill bit.



The removed rivets are replaced with an **M5 Rivet nut**.

3 pieces M5x20 AKB bolts are installed in the places indicated by the arrow.

3 pieces M5x15 AKB bolts are installed in the places indicated by the arrow.



M5x20 AKB bolt



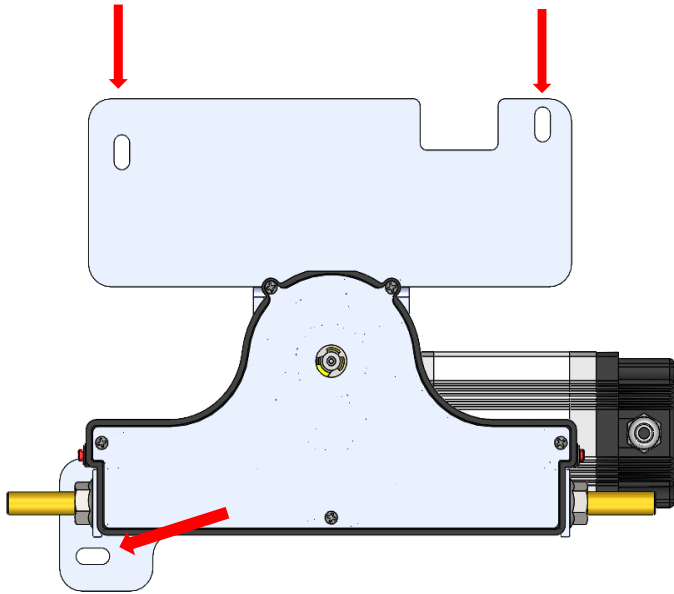
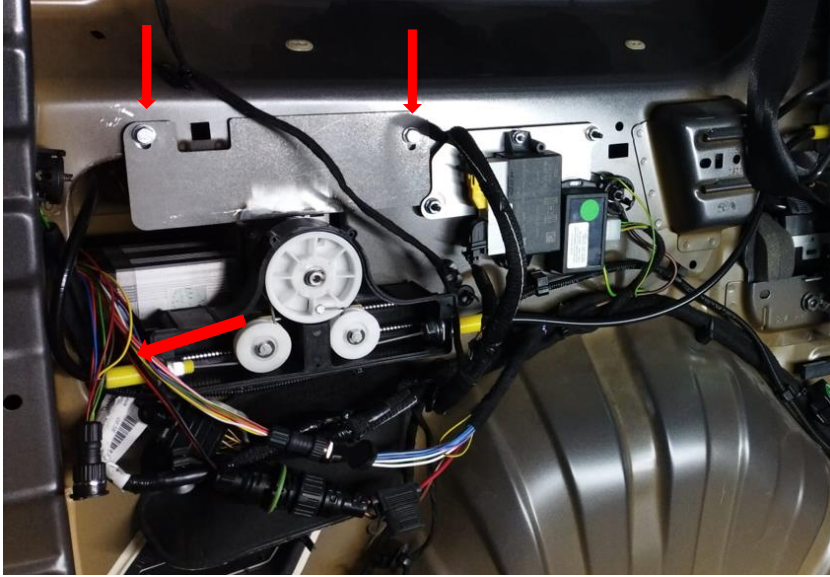
M5x15 AKB bolt



M5 River Nut



ASSEMBLING OF DOOR SYSTEM



Engine Group: The engine connection bracket corresponds to the original holes of the vehicle in the places shown. The **M6 Rivet nut** is thrown to the corresponding places and fixed with the **M6x20 AKB bolt**.



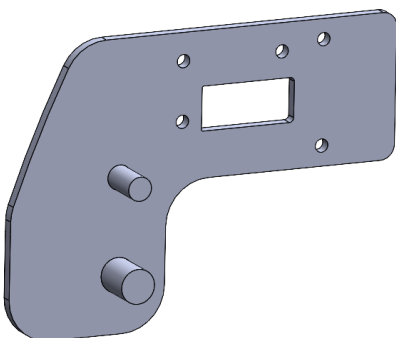
M6x20 AKB bolt



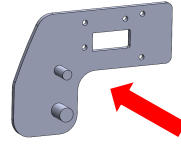
M6 River nut



Front Reel Template : The template shown in the figure is used for the installation of the front wire routing group of the Weldo Automatic door system. The places where the cut will be made and the places where the fixing screws will be removed are shown on the template.



ASSEMBLING OF DOOR SYSTEM



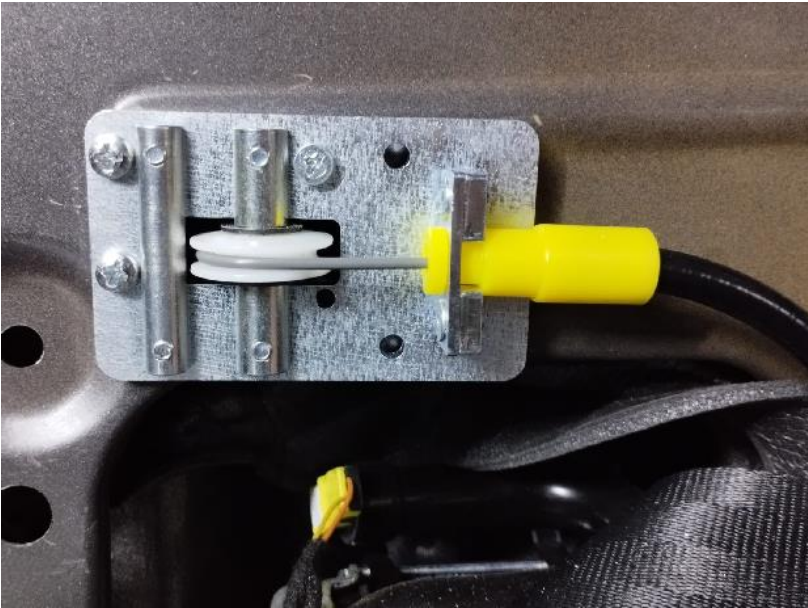
The template is placed as shown in the figure so that the installation of the front wire routing group can be performed.



The area shown in red is emptied with the help of an air saw.



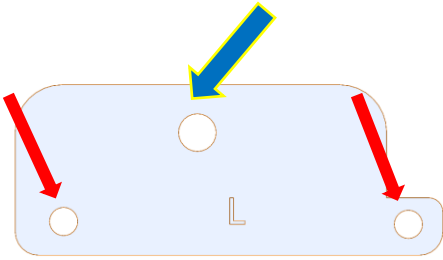
The holes shown in yellow are drilled with a $\varnothing 4.5 \text{ mm}$ drill bit.



The mounted version of the Front Wire Routing group is as shown in the figure.



ASSEMBLING OF DOOR SYSTEM



Arka Tel Delik Şablonu



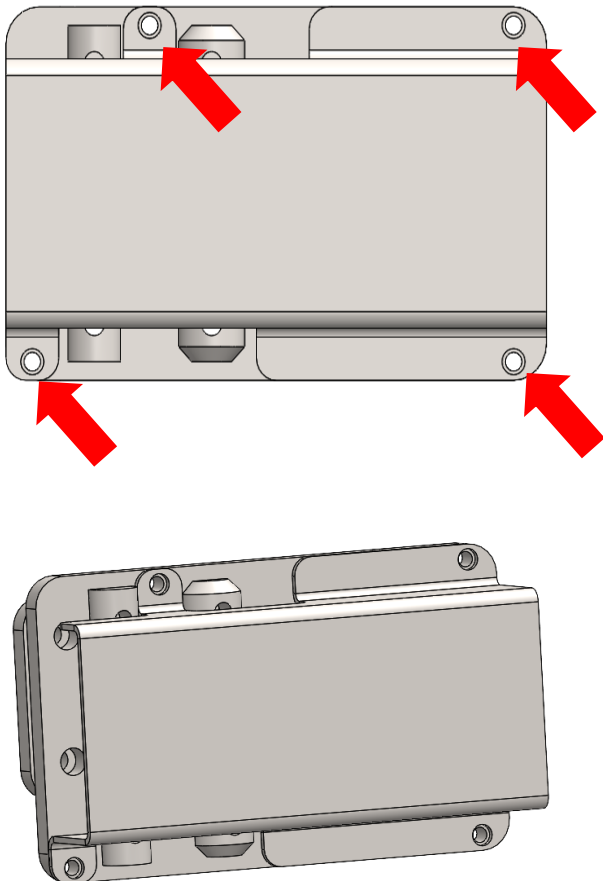
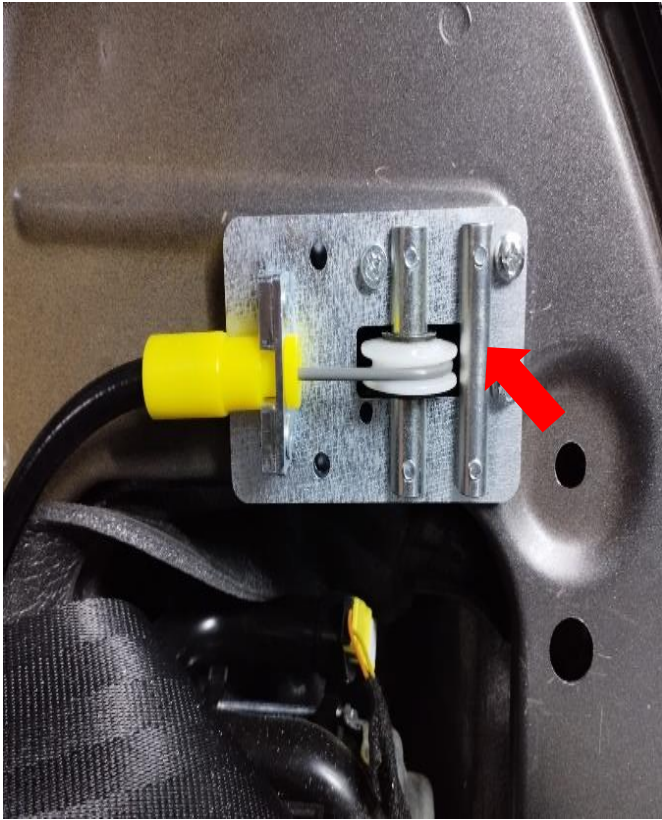
Rear Wire Routing Group: The original door termination bracket of the vehicle is removed and the rear wire hole template shown in the figure is fixed by centering the holes. A hole is drilled with an $\varnothing 11$ mm drill from the center of the hole shown by the **blue arrow** in the figure.



The mounted version of the rear wire routing group is as shown in the figure.



ASSEMBLING OF DOOR SYSTEM



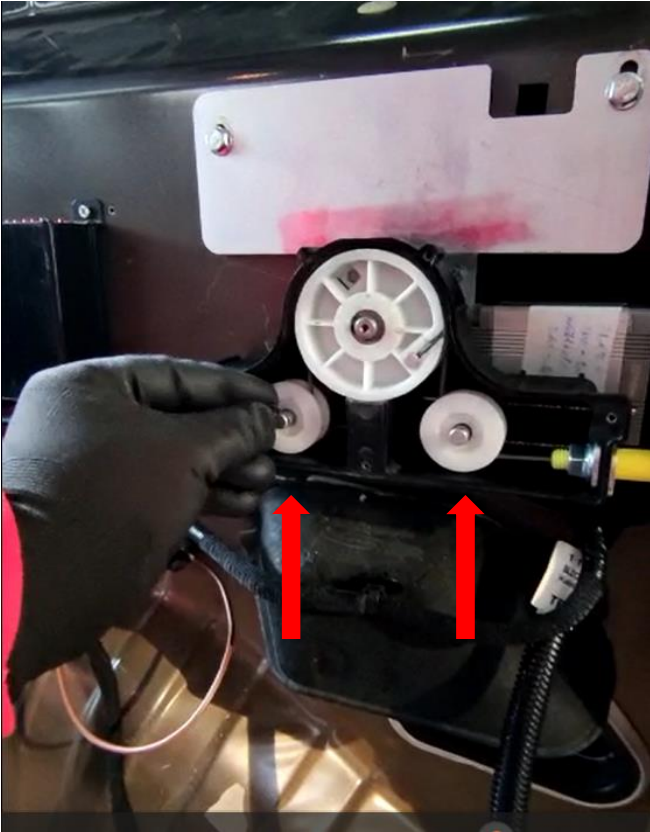
In order to prevent the contact of the front wire routing bracket with the seat belt, after the installation of the routing group is completed, the protection cover is fixed from the places indicated by the **M4x5 mm ysb bolt**, as shown in the figure.



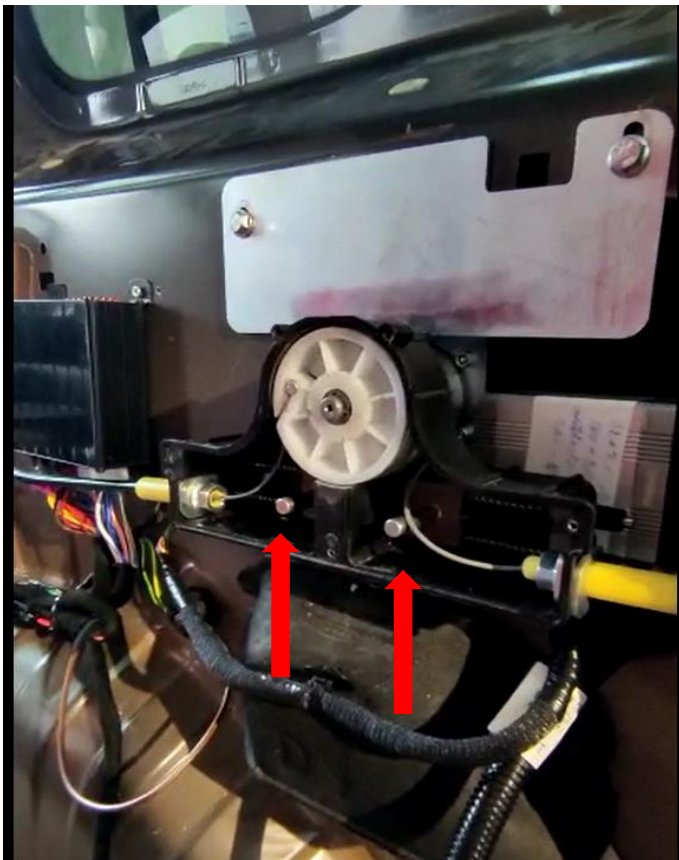
M4x5 ysb bolt



ASSEMBLING OF DOOR SYSTEM

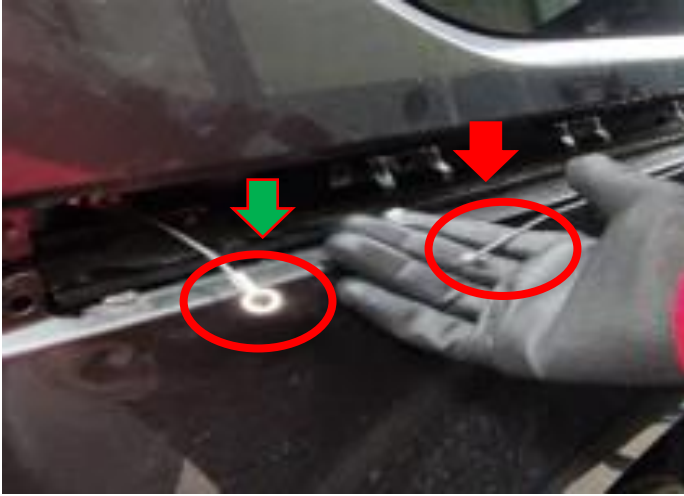


In order to make the wire connection of the automatic door system, it is necessary to remove the small rollers contained in the system.



The removed state of the rollers is as shown in the figure.

ASSEMBLING OF DOOR SYSTEM



Front-routing group wire



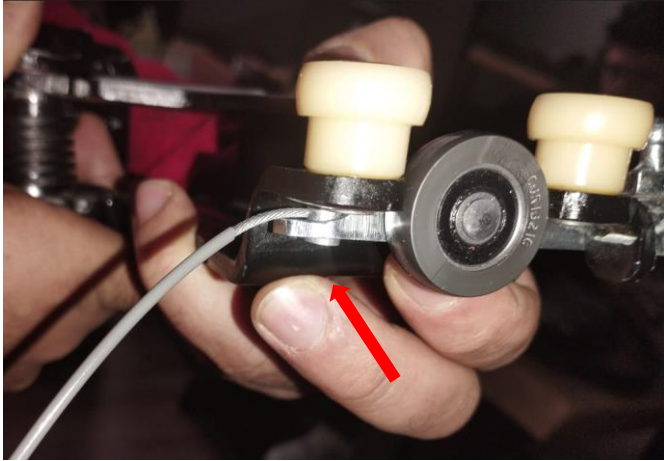
Rear-routing group wire



The wire coming out of the front routing group is attached to the wire connection bracket as shown in the figure.



ASSEMBLING OF DOOR SYSTEM



After the wire is installed, the wire connection bracket is fixed by passing it to the original sliding door middle roller of the vehicle as shown in the picture.



M4x10 hex socket countersunk head bolt



The wire joining bracket is mounted with an **M4x10 hex socket countersunk head bolt** by placing the top sheet.



The wire coming out of the rear routing roller is passed through the inside of the rear routing reel as shown in the figure.



ASSEMBLING OF DOOR SYSTEM



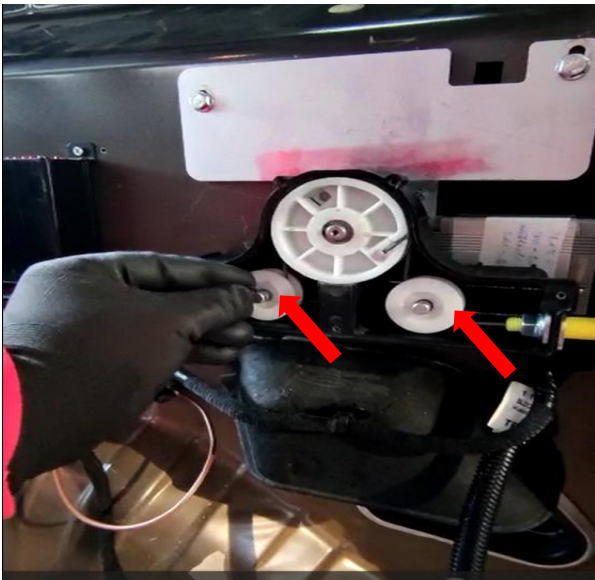
The wire coming out of the rear routing reel is attached to the bracket as shown in fig.



The rear routing roller is placed in place



ASSEMBLING OF DOOR SYSTEM



The rear routing roller is placed in place and its two screws are tightened.



After the wire installation process is completed, the removed rollers are replaced and the system cover is closed.



ASSEMBLING OF DOOR SYSTEM



The place of the plastic in the luggage that enters the main system engine is cut and installed in its place as marked in the figure.



The main system installation of the Veldo Automatic Sliding Door System is pulled by fixing it over the original installation of the vehicle indicated by the yellow stripe.



ASSEMBLING OF DOOR SYSTEM



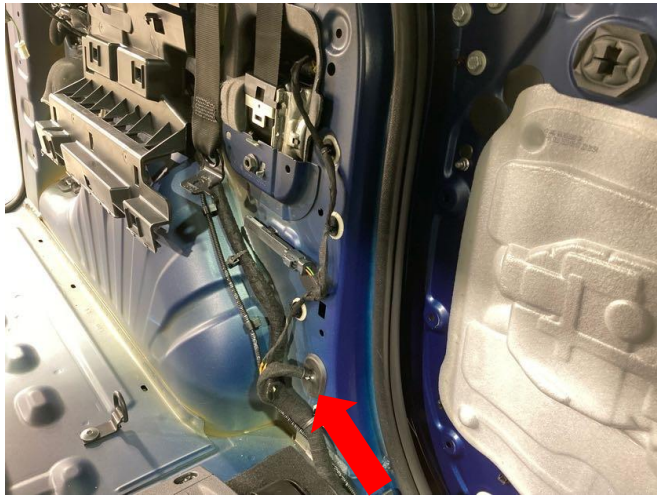
A hole is drilled with \varnothing 20 mm punch from the marked area under the steering wheel for the passage of the +12 V cable coming through the main system installation.



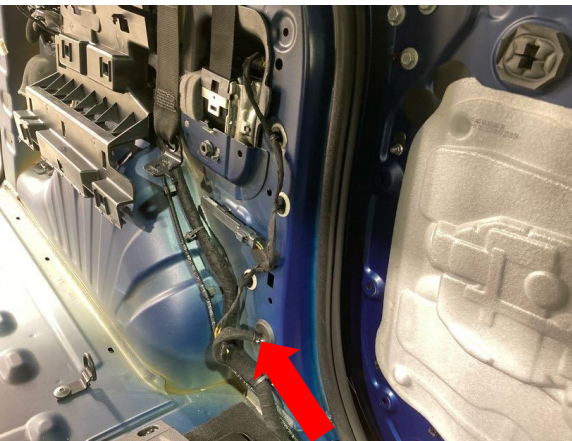
The passage of the +12 V cable coming through the main system installation is as shown in the figure.



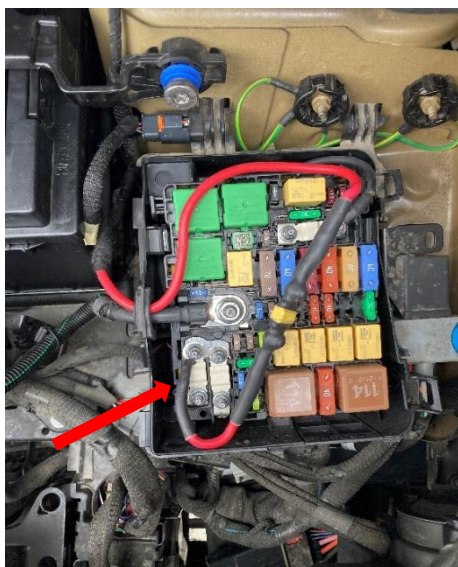
ASSEMBLING OF DOOR SYSTEM



There are on-off signals from inside the wiring harness on the original installation located on the C pillars of the Vehicle, The opening signal is connected to the **yellow-red** cable in the Veldo automatic door main system installation. The closing signal is connected to the **red-blue** cable.



There are cables that give the open & closed information of the sliding door from inside the wiring harness on the original installation located on the C pillars of the Vehicle. Veldo automatic door is connected to the **gray and purple-gray** cables in the main system installation.



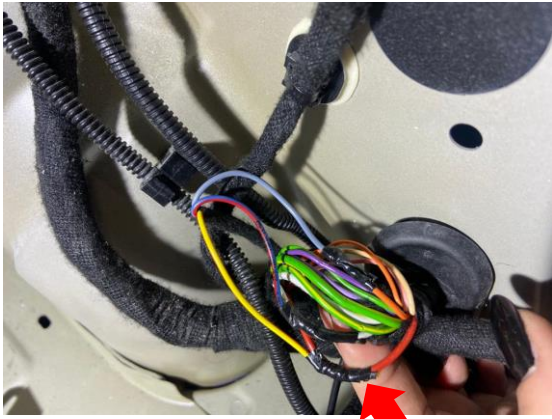
The +12 V power cable passed under the steering wheel is connected to the fuse box located under the hood as shown in the figure.



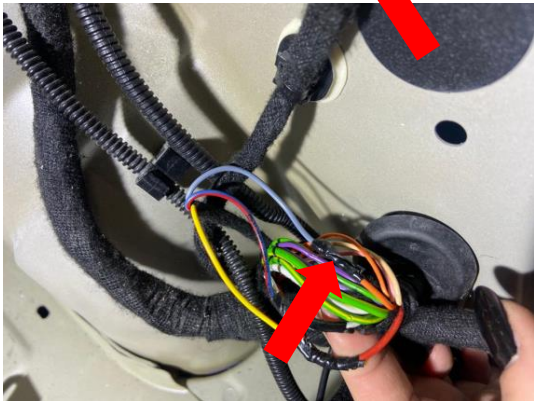
ASSEMBLING OF DOOR SYSTEM



There are on-off signals from inside the wiring harness on the original installation located on the C pillars of the Vehicle, The opening signal **red cable** is connected to the **yellow-red** cable in the Veldo automatic door main system installation.



Closing signal **white cable** is connected to the **red-blue** cable.



There are cables that give the open & closed information of the sliding door from inside the wiring harness on the original installation located on the C pillars of the Vehicle; Veldo automatic door is connected to the **gray** and **purple-gray** cables in the main system installation.



The **gray** cable is connected to **the orange cable** the **purple-gray cable** is connected to the **green** cable as shown in the figure



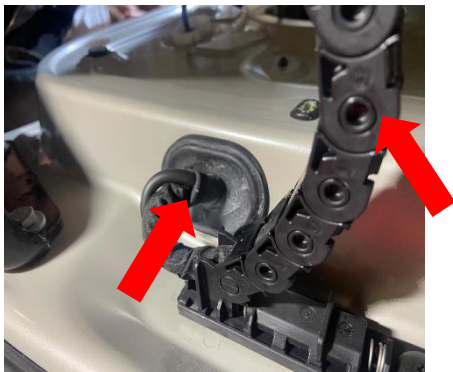
ASSEMBLING OF DOOR SYSTEM



Through the cable carrier path located on the bottom rail of the sliding door, the opkon cable located in the Veldo automatic door installation is threaded and pulled towards the door.



The cable carrier path is disassembled as shown in pic



The opkon cable is taken to the door section by passing through the cable carrier path, passing through the dust tire.



One end of the opkon cable is installed in the in-door installation, the other end is installed in the main system installation socket aid installation process.



OTOMOTİK KAPININ ÇALIŞMASI VE KONTROLU

Güvenlik:

Kapı açılırken:

- Açılma yönünde bir engel varsa kapı aşırı akım ile durur
- Açılma işlemi sırasında panel düğmesi veya kumanda ile kapı tekrar kapama yapar beklenir.

Kapı kapanırken: Aşağıdaki olaylardan biri gerçekleşecek olursa kapı durup tekrar açılma işlemini yapar.

- Kapanma yönünde bir sıkışma sonucu kapı aşırı akım algılayarsa,
- Kapı kapanırken kapı kolu çekilirse
- Kapı kapanırken panel düğmesine basılırsa

OTOMOTİK KAPI SİSTEMİNİN GARANTİ ŞARTLARI

Garanti koşulları, Veldo yetkili satıcısıyla müşteri arasında gerçekleşen satın alma anlaşmasının bir parçasıdır. Müşteri, imzasıyla garanti şartlarını kabul etmiş olur. Aracın teslimi sırasında müşteriye Veldo garanti belgesi verilir. Garanti işlemi yapılabilmesi için müşterinin bu belgeyi ibraz etmesi gereklidir. Bütün parçaları dâhil olmak üzere Otomatik kapı / Basamağın tamamı 2 yıl süreyle garanti kapsamındadır. Garantinin başlangıcı Ürün Montajı veya Müşteriye teslim tarihidir.

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GARANTİ ŞARTLARINI BOZAN DURUMLAR

- Otomatik kapı / Basamağın bakım ve onarımları zamanında, düzenli olarak, gerekli teknik bilgi ve yetkinliğe sahip servisler tarafından ve periyodik bakım ve onarım prosedürlerine uygun şekilde yapılmaması.
- Kullanım kılavuzundaki bilgilendirmelere uyulmaması.
- Otomatik kapı / Basamak; amacı dışında, uygun olmayan şartlarda veya aşırı yük altında kullanılmış ise,
- Otomatik kapı / Basamak'a orijinal ya da eşdeğer olmayan parça takılmışsa ya da üründe imalatçı firma tarafından teknik olarak onaylanmayan bir değişiklik yapılmış ise,

GARANTİ ŞARTLARINI BOZAN DURUMLAR

- Satın alınan ürünlerdeki onarım ihtiyacı zamanında bildirilmemiş ise,
- Servis tarafından yapılan uyarılara rağmen, bildirilen süre içinde araç sahibi ya da kullanıcıları onarıma imkân sağlamamış ise
- Aşırı tozlu, rutubetli, (+ 50) , (- 15) derecelerden yüksek sıcaklıklarda kullanım sebebi ile oluşan arızalar
- Sel, yangın, deprem vs. gibi doğal afetlerin sebep olduğu arızalar
- Normal kullanım sonucu ve malzemenin doğası gereği parçalarda meydana gelen aşınma ve yıpranmalar garanti kapsamında değildir. Aşınmaya maruz olan bu parçalara örnek; sistem kayışı, kilit açma teli ve makaralardır. Fakat söz konusu bu parçalarda malzeme, işçilik ve montaj hatası, yani fabrikasyon hata tespit edilirse parçalar garanti kapsamındadır. Ürünün üzerinde yapılan değişiklikler ya da modifikasyonlar söz konusu ise bunlarla ilgili olarak meydana gelen arızalarda garanti geçerli değildir.
- Haşere veya hayvanların ürüne zarar vermesi ürün kablolarına zarar vermesinden kaynaklanan arızalar