



OPERATION MAINTENANCE & REPAIR MANUAL

GKS.FR.130

English Translation

Publication Date: 10.06.2024 | Rev. No.: - | Rev. Date: -

Translation Note

This document is an English translation of the supplied GENCER body operation, maintenance and repair manual. Instruction codes, part numbers, torque values, product codes and technical references are retained as shown in the source. Original diagrams are reproduced where they are needed to interpret the translated instructions.

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Foreword

Designed and manufactured by GENCER OTOMOTİV KARASÖR VE BEYAZ EŞYA SAN. TİC. LTD. ŞTİ.

Final inspections have been carried out at our factory so that this equipment reaches the end user in the best possible condition. To keep the body in the best condition and achieve optimum performance, the maintenance and repair schedules specified in this manual must be followed.

This manual has been prepared to assist you during the daily operation and servicing of the equipment. Keep this manual available in the vehicle cab so that the required information can be accessed immediately.

For additional information and equipment service, contact our company. When ordering spare parts, remember to specify the equipment model, serial number and/or vehicle model.

WARNING: Use Original Spare Parts Only.

Document Information

This manual has been prepared for safe and correct operation and for planning the maintenance and repair of the equipment. Strictly following these instructions will help obtain the best performance, reduce costs and extend the service life of the body. Compliance with safety rules will also help prevent common accidents. Read this manual carefully and pay particular attention to the safety instructions. The instructions given in this manual alone do not guarantee safe operation and do not replace national or local safety standards.

Special safety notes are used throughout this manual to highlight hazardous or unsafe situations.

All information contained in this manual shall be considered commercial information and confidential information. The USER acknowledges in advance that all such information and documentation are trade secrets and confidential information and undertakes to protect them, not to copy them or make them available for the use of others, to disclose them to employees only when necessary for the proper conduct of the work, and not to use or allow their use outside the work and activities related to the USER's own operations. Persons or organizations authorized by law due to a legal obligation are exempt from this restriction. This confidentiality obligation shall remain in force indefinitely. If this confidentiality obligation is breached, the USER declares, accepts and undertakes to compensate GENCER for all direct and indirect losses and damages incurred for this reason.

The Inspection and Maintenance Manual is a valuable resource and must therefore be kept in the vehicle at all times.

Warranty Coverage and Conditions

Provided that the product is used as shown in the operating manual and has not been serviced, repaired or otherwise interfered with by persons other than technical service personnel authorized by us, the product, including all of its parts, is fully warranted against workmanship and manufacturing defects for a period of 2 (TWO) YEARS.

The warranty period for spare parts manufactured by the Seller and installed on the product is 10 (ten) years from delivery.

The warranty becomes invalid if the product is interfered with by persons other than authorized Technical Services or if parts other than original parts are used.

The warranty becomes invalid if faults are caused by conditions that fall within the scope of improper use.

The determination of the technical methods to be applied in eliminating faults and the identification of parts to be replaced are entirely at the discretion of our company.

Damage and Failures Outside Warranty Coverage

Following delivery, any loss or damage arising from problems that are not caused by material quality and that may occur after installation is the responsibility of the user.

The company assumes no responsibility for defects occurring in refrigeration units and lifts purchased from other companies and installed on the product, and does not provide a warranty for such products.

Spare-Part Supply Lead Times for Warranty, Damage and Failures

If the spare parts to be used are not available in our stock after the technical service has completed its assessment, the supply periods are as follows:

- Materials obtainable domestically: maximum 4 weeks
- Materials obtainable from abroad: maximum 9 weeks
- Work to be manufactured in-house: maximum 2 weeks

Delivery dates are determined according to the work to be carried out.

1. GENERAL SAFETY REQUIREMENTS

1.1 Check Before Initial / Daily Operation

Before starting work each day, check the following:

- ✓ Check the body-to-vehicle connections.
- ✓ Check the vehicle and equipment for any damage or defect. Repair any fault before operation.
- ✓ If a lift is installed on the vehicle, check for oil leakage. If there is an oil leak, repair it before operation.
- ✓ Safety signs must be in place and legible. Warning lamps must be operational.
- Check whether any bolts are missing from the lower connection points.
- Check that the front flexible connection is present.
- Check the functionality of the gas-assisted stay.
- Check the functionality of the rear doors.
- Check the functionality of the interior lighting.
- Check the functionality of the rear step.



1. GENEL GÜVENLİK GEREKSİNİMLERİ

1.1 İlk Kullanım Öncesi Kontrol

Her gün çalışmaya başlamadan önce aşağıdakileri kontrol ediniz.

- ✓ Kasa araç bağlantıları kontrol edin
- ✓ Araç ve ekipmanda herhangi bir hasar veya bozukluğun olup olmadığını kontrol edin. Herhangi bir arıza varsa çalıştırmadan önce tamir edin.
- ✓ Araçta lift takılı ise yağ kaçaklarını kontrol ediniz; yağ kaçağı varsa çalıştırmadan önce tamir ediniz.
- ✓ Güvenlik işaretleri yerinde ve okunabilir olmalı. İkaz lambaları çalışıyor olmalı.

•Alt bağlantı noktalarında eksik cıvata olup olmadığını kontrol et.	
•Ön esnek bağlantının olup olmadığını kontrol et.	
•Gazlı istinatın işlevselliğini kontrol et	
•Arka kapıların işlevselliğini kontrol et.	
•İç aydınlatmanın işlevselliğini kontrol et.	
•Arka basamağın işlevselliğini kontrol et.	

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1.2 Safety Requirements for Persons

- Operation, maintenance/repair and spare-parts booklet
- A serviceable fire extinguisher
- A first-aid kit (must be kept in the vehicle)
- Ensure that the vehicle is parked correctly and that the body doors do not create a hazard in the direction in which they will be used.
- Do not move the vehicle before securing the load.
- Distribute the load evenly inside the body.
- During loading and unloading, engage the rear-door gas stays.
- If the body floor is wet, first take the necessary precautions for your own safety.
- After closing the rear doors, check that the locking mechanisms are in the correct position.
- After closing the rear doors, ensure that the door gas stays are fully and correctly seated in their positions.

Source visual: personal safety examples



1.2. Kişilere yönelik güvenlik gereksinimleri

- Kullanım, bakım- onarım ve yedek parça kitapçığı
- Çalışır durumda yangın söndürücü
- İlk yardım çantası (aracın kendisinde olmalı)

• Aracınızı düzgün park ettiğinizden ve kasanın kapılarını kullanılabilecek yönde tehlike yaratmadığından emin olun.	
• Yük emniyetini almadan aracı hareket ettirme • Yüğü üstü yapı içine eşit şekilde yükle	 DENGELİ YÜKLEME YAPINIZ 
• Yükleme ve boşaltma esnasında arka kapı gazlı istinatlarını bağla	
• Üstü yapı zeminini ıslaksa önce kendi emniyetini al	
• Arka kapıları kapattığında kilitleme mekanizmalarının doğru konumda olduğunu kontrol et	
• Arka kapıları kapattığında kapı gazlı istinatlarının yerine tam ve doğru oturduğundan emin ol.	

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1.3 Safety Requirements for the Equipment

- The manufacturer is not responsible for accidents resulting from the user's failure to comply with the general safety requirements.
- Read this manual carefully before operating or maintaining the equipment.
- Read all safety signs before operating or maintaining the equipment.
- Keep all steps and platforms free from conditions that may cause slipping.
- Safety signs and labels must be in good condition and easy to read.

CAUTION: Operation of the equipment is strictly prohibited if any safety label is damaged, missing or illegible.

2. AREAS OF USE AND RESTRICTIONS

2.1 Intended Use

The body is designed for the transport of materials and goods that can be carried in the logistics sector according to the body specifications. Do not use it for purposes other than those for which it was designed.

2.2 Improper Use

The following are prohibited:

- Using the body for purposes other than those stated in the "INTENDED USE" section.
- Using the body in a manner different from that specified in this manual or using components other than those designed by the manufacturer.
- Operating the body without applying the maintenance plan specified by the manufacturer.
- Modifying components or body features for different operating conditions.
- Using non-original spare parts or adding unapproved components.
- Modifying or repairing the equipment without the manufacturer's approval.

Any of the above forms of improper use or non-compliance will result in the following:

- The warranty conditions provided by the manufacturer or authorized representative at the time of purchase become void.
- The manufacturer is released from liability for any accident resulting in injury or damage to people, animals or property.

CAUTION: Improper use may result in hazardous situations for the operator and may cause equipment failures.

2.3 Operating Restrictions

Do not transport chemical materials.

DANGER: A qualified operator must not take any medication or alcoholic beverage that could affect reactions during operation. If the operator requires legally prescribed medication, medical confirmation should be obtained that the operator can maintain equipment safety.

3. BODY EQUIPMENT AND OPERATION

3.1 Body Identification Label and Location

The label includes the following information:

- Model Code
- Production Date
- Body Serial Number
- Body Type
- Body Weight



DİKKAT

Uygunsuz kullanım, operatör için sakıncalı durumlarla sonuçlana bilir, ekipman arızalarına neden olabilir.

2.3. Kullanım Kısıtları

Kimyasal malzeme taşıma yapmayın.



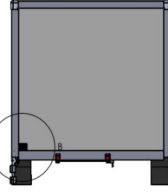
TEHLİKE

Nitelikli bir operatör, operasyon sırasında tepkilerini etkileyecek herhangi bir ilaç veya alkolü içecek almamalıdır. Operatör yasal ilaçlara gereksinim duyuyorsa, operatörden ekipman güvenliğini sağlayabileceğine dair tıbbi belge alması istenmelidir.

3. KASA EKİPMANLARI VE KULLANIMLARI

3.1. Kasa kimlik etiketi ve kasadaki yeri;

gencer kasa	
Model Kodu / Model No:	
Üretim Tarihi / Yılı:	
Kasa Seri No / Serial No:	
Kasa Tipi / Type of Body:	
Kasa Ağırlığı / Body Weight:	



Kasa kimlik etiketi ön panel alt alüminyum ve sağ ön panel alüminyumuna sıfır olucak şekilde konumlandırılır.

Aşağıdaki bilgiler yer alır.

- Model Kodu
- Üretim Tarihi
- Kasa Seri No
- Kasa Tipi
- Kasa Ağırlığı

3.2 Type Approval Label and Location

The label includes the following information:

- Type Approval Number of the Completed Vehicle
- Stage
- Technically Permissible Maximum Laden Mass
- Technically Permissible Maximum Mass of the Combination
- Technically Permissible Maximum Laden Mass on Each Axle
- Permissible Axle Group Mass

3.3 Exterior Surface of the Body (Walls / Panels)

3.3.1 Exterior Surface Checks

Check that the panel (side wall) has no impact marks, crushing or dents.

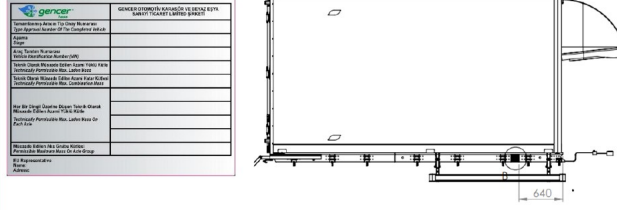
3.4 Interior and Exterior Lighting Checks

3.4.1 Interior Lighting (Appendix 1: Electrical Diagram)

Ensure that the interior body lights are operational. The interior light ON/OFF button is shown in the source visual.



3.2. Tip Onay Etiketi ve kasadaki yeri;



Aşağıdaki bilgiler yer alır.

- Tamamlanmış Aracın Tip Onay Numarası
- Aşama
- Teknik Olarak Müsaade Edilen Azami Yüklü Kütlev
- Teknik Olarak Müsaade Edilen Azami Katar Kütlev
- Her Bir Dingil Üzerine Düşen Teknik Olarak Müsaade Edilen Azami Yüklü Kütlev
- Müsaade Edilen Aks Grubu Kütlesi

3.3. Kasa dış yüzeyi (kasa duvarları/paneller)

3.3.1. Kasa Dış Yüzey Kontrolleri

Panel (yan duvar) vuruğu, ezik, göçük olmaması,

3.4. Kasa İç ve Dış Aydınlatma Kontrolleri

3.4.1. İç Aydınlatma (EK-1: Elektrik şeması)

Kasa içi aydınlatmaların çalışır durumda olduğundan emin olun.



Aydınlatma Açma
Kapama Butonu

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3.4.2 Exterior Lighting

3.4.2.1 Side Marker Lamps (Skirt Lamps) (Appendix 1: Electrical Diagram)

Check that the side marker lamps (skirt lamps) are operational. When replacement is required, the lamp can be disconnected from its socket.

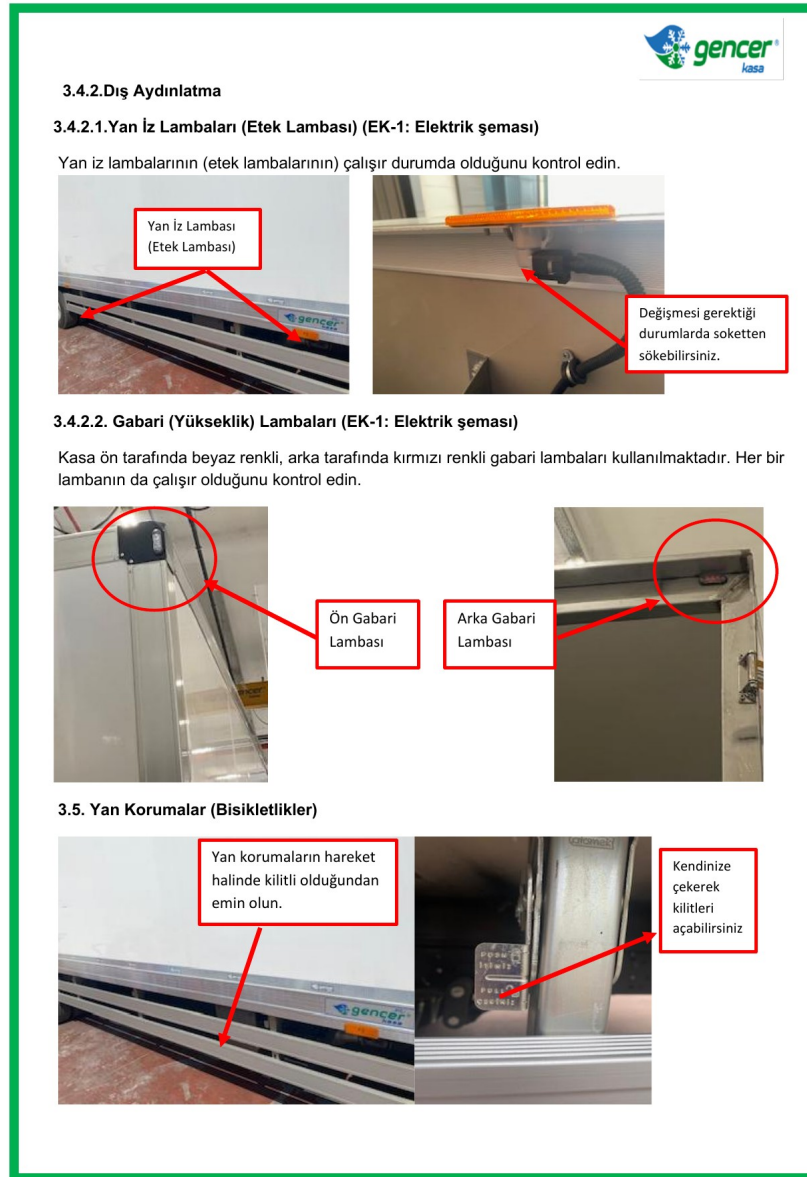
3.4.2.2 Clearance (Height) Lamps (Appendix 1: Electrical Diagram)

White clearance lamps are used at the front of the body and red clearance lamps at the rear. Check that each lamp is operational.

3.5 Side Guards (Cyclist Protection Bars)

Ensure that the side guards are locked while the vehicle is in motion. The locks can be opened by pulling them toward you.

Source visual: marker lamps and side guards



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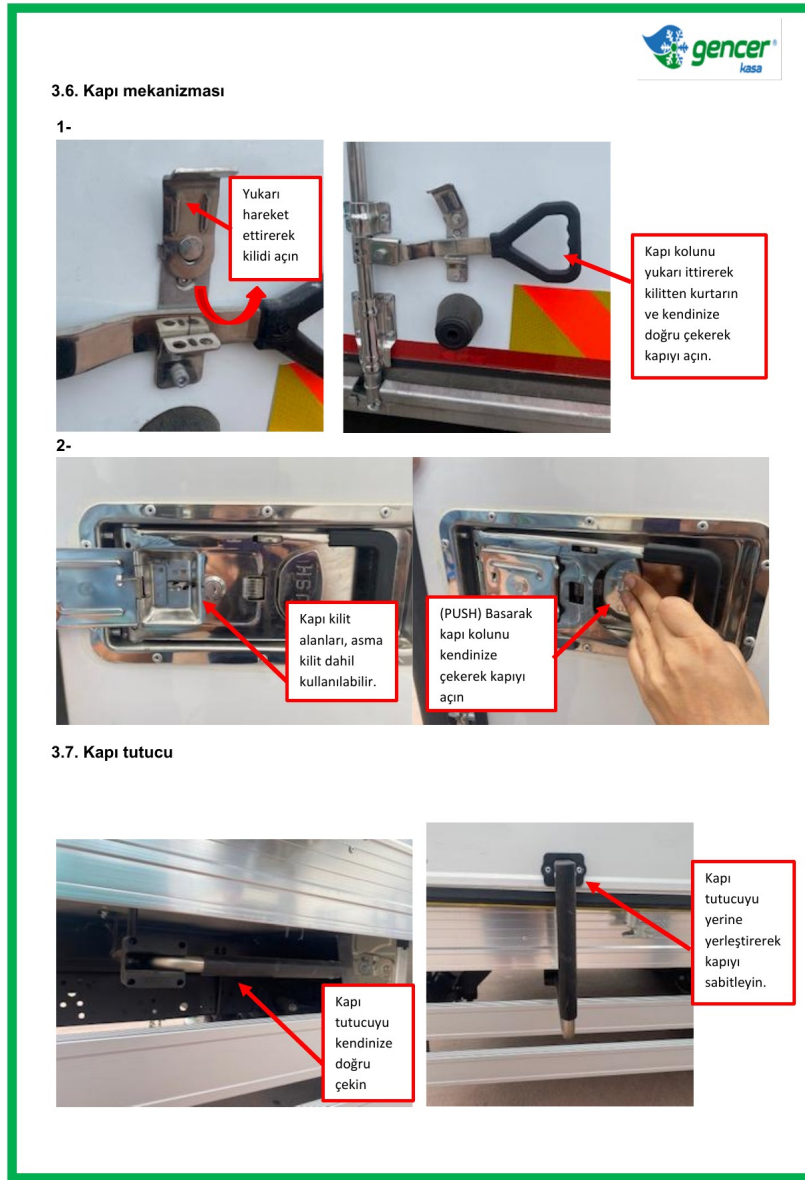
3.6 Door Mechanism

- 1) Move the lock upward to release it. Push the door handle upward to free it from the lock, then pull it toward you to open the door.
- 2) For the recessed handle type, the locking points may be used with a padlock. Press "PUSH" and pull the door handle toward you to open the door.

3.7 Door Retainer

- 1) Pull the door retainer toward you.
- 2) Place the door retainer into its retaining position to secure the door.

Source visual: door mechanisms and door retainer



WARNING: Never move the vehicle while the doors are open, even if the doors are secured with the door retainers.

4. MAINTENANCE AND REPAIR

Removal and installation templates for maintenance and repair operations on the body are provided in Appendix 2: Body Maintenance/Repair Assembly Instructions.

4.1 Safety During Maintenance

- ✓ Before starting maintenance on this body, carefully read the instructions in this booklet and strictly observe the safety labels on the equipment.
- ✓ Do not allow maintenance of the equipment to be carried out by unauthorized persons.
- ✓ Comply with the general safety requirements and use personal protective equipment (gloves, safety shoes, etc.).
- ✓ Ensure that the vehicle is parked on a level surface and that the parking brake is applied.
- ✓ Never place your head, arms or legs in locations where there is a risk of crushing or entrapment.
- ✓ Unless necessary, never operate the vehicle during maintenance.

4.2 Body Maintenance

- ✓ Check bolts, nuts and other fasteners.
- ✓ When a lift is used, check hydraulic connections for oil leaks and have the lift serviced every 6 months.
- ✓ Check the body sealant/silicone once a year.

5. TECHNICAL FEATURES OF THE BODY

- The body is formed by joining panels consisting of polyurethane foam on the inside and glass-fibre-reinforced polyester (GRP/CTP) on the outside.
- The panels are joined using special chemical adhesives.
- Panel joints are covered with aluminum, which provides structural strength to the panels.
- Body accessories vary according to customer requirements. Accessories may include a fire cabinet, water container, tool box, etc.

6. PERIODIC MAINTENANCE

DAILY	CHECK	CLEANING	LUBRICATION
No fasteners may be missing from the body-to-chassis connection elements.	X		
Doors must be closed as designed.	X		
Warning lamps must be operational.	X		

7. CAUSES OF FAULTS AND TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	REMEDY
Warning lamps do not work (side marker lamp, clearance lamps).	Lamp/connector fault.	Check the lamp input sockets. If the socket is connected correctly, replace the lamp.
Interior lighting does not work.	Lamp does not work; wiring is damaged.	If the wiring is damaged, contact an authorized service center.
Lift does not work.	See the lift documentation.	Please refer to the lift operating manual.

8. FOR YOUR SAFETY

8.1 General Information

Safe use of the technical equipment is only possible when the complete operating and maintenance instructions, especially this section, have been read and are followed exactly.

The operating and maintenance instructions must always be kept in the vehicle in an easily accessible location.

Carry out cleaning carefully and perform regular maintenance. Repair all damage and deficiencies as soon as possible.

Perform only the maintenance work that is intended to be carried out by you. All other maintenance work must be carried out by trained customer-service personnel.

Use only original spare parts from the manufacturer.

8.2 LOADING

When loading materials, do not exceed the payload limit stated in the vehicle technical specifications. Ensure that the load is distributed evenly over the vehicle body. Make sure that the rear and side doors are closed. Avoid dropping materials into the vehicle from a height.

- Ensure there is no risk of the load falling while loading the vehicle.
- Do not move the vehicle while the doors are open.
- Ensure that no warning lamps are illuminated and that no warning sound is active on the vehicle.

8.3 UNLOADING

- Ensure that there is sufficient clearance around the vehicle and that it is parked in a location where it will not create a hazard.
- Carefully monitor the unloading operation from start to finish.

Source visual: loading and unloading warnings



8.2. YÜKLEME:

Malzeme yüklerken aracın teknik özelliklerinde verilen istihab haddini aşmayın. Yükün aracın gövdesine eşit olarak dağıldığından emin olun. Arka ve yan kapakların kapalı olduğundan emin olun. Malzemeyi yüksek bir yerden aracın içine düşürmemeye özen gösterin.



Aracı yüklerken yükün düşmesi gibi bir risk olmayacağından emin olun.



Kapılar açık iken aracı hareket ettirmeyin.



Araçta uyarı lambalarının yanmadığından ve ikaz sesinin gelmediğinden emin olun.

8.3. BOŞALTMA :



Aracın etrafında yeterli boşluk olduğundan ve tehlike yaratmayacak bir yere park ettiğinizden emin olun.

Boşaltma işlemini baştan sonuna kadar dikkatli takip edin.

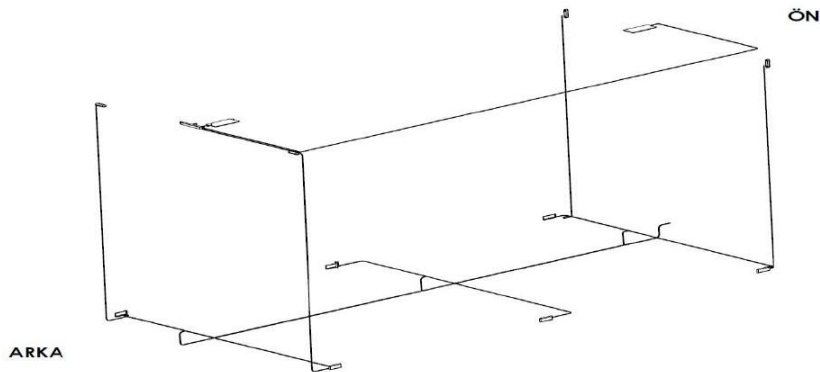
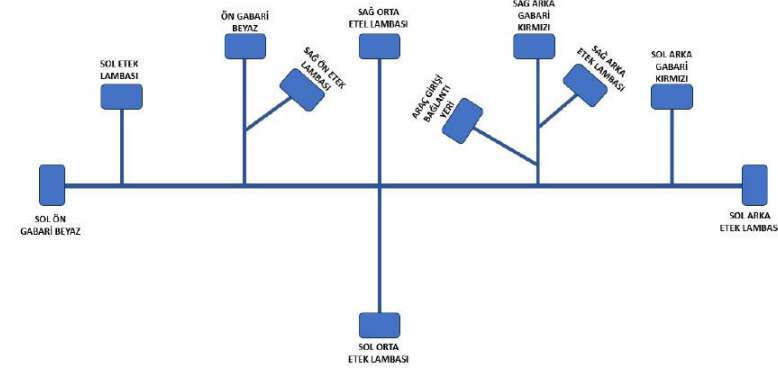
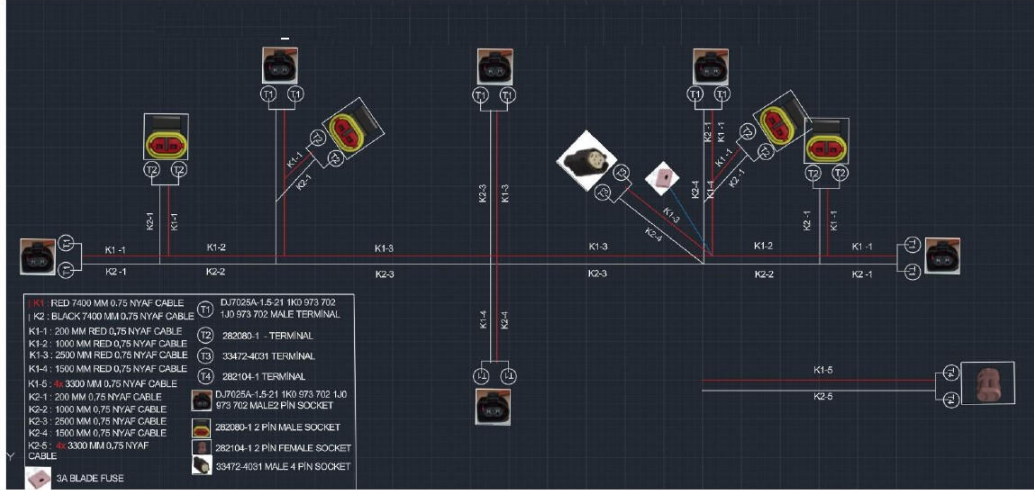
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APPENDIX 1 - ELECTRICAL DIAGRAM

The original wiring schematic is reproduced below. Key Turkish labels translate as follows:

- FORD TRANSIT YAN KASA TESİSATI TEKNİK ÇİZİMİ - Ford Transit side-body wiring technical drawing
- SOL ÖN GABARİ BEYAZ - Left front clearance lamp, white
- ÖN GABARİ BEYAZ - Front clearance lamp, white
- SOL / SAĞ ETEK LAMBASI - Left / right side marker (skirt) lamp
- SOL / SAĞ ORTA ETEK LAMBASI - Left / right center side marker lamp
- SOL / SAĞ ARKA GABARİ KIRMIZI - Left / right rear clearance lamp, red
- SOL / SAĞ ARKA ETEK LAMBASI - Left / right rear side marker lamp
- ÖN - Front; ARKA - Rear

EK-1 : ELEKTRİK ŞEMASI



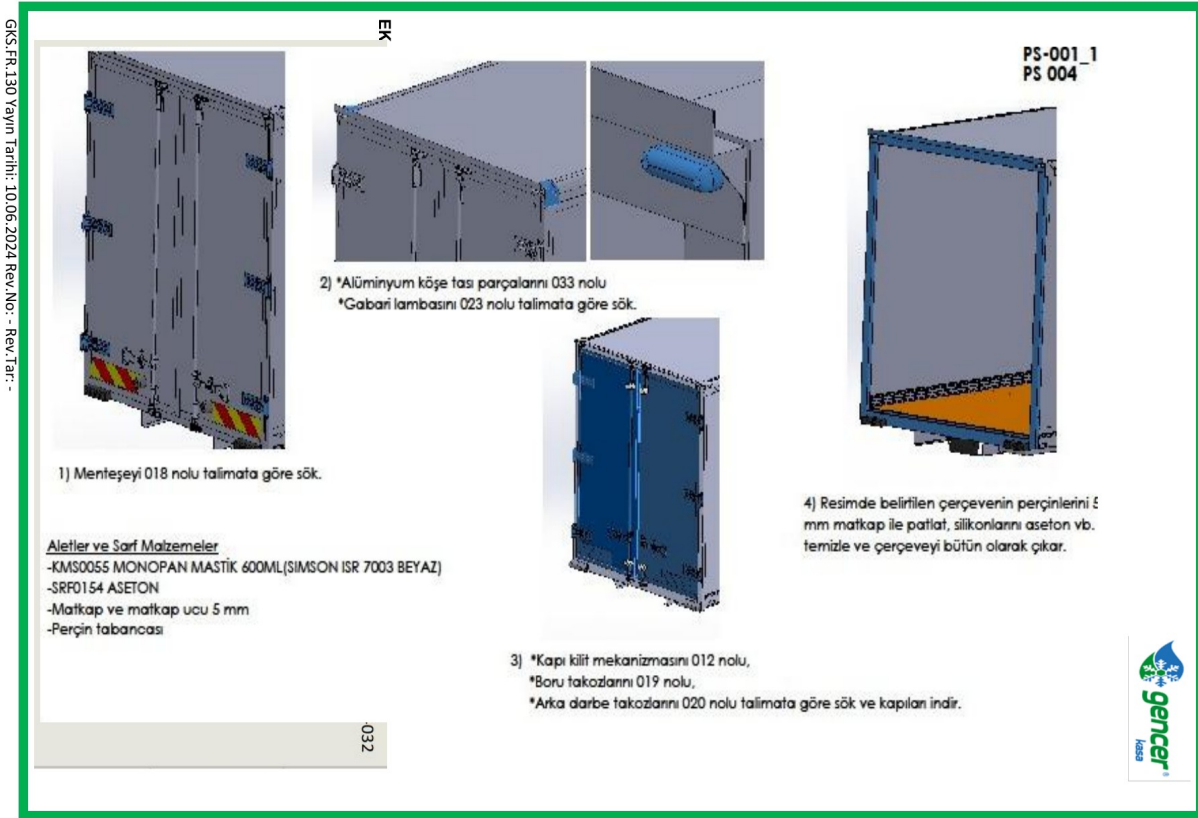
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APPENDIX 2 - BODY MAINTENANCE / REPAIR ASSEMBLY INSTRUCTIONS

The following pages reproduce the original technical illustrations and provide the corresponding English translation of the instructions. Source instruction identifiers are retained unchanged.

PS-001_1 / PS-004

Original technical illustration - source page 16



English Instructions

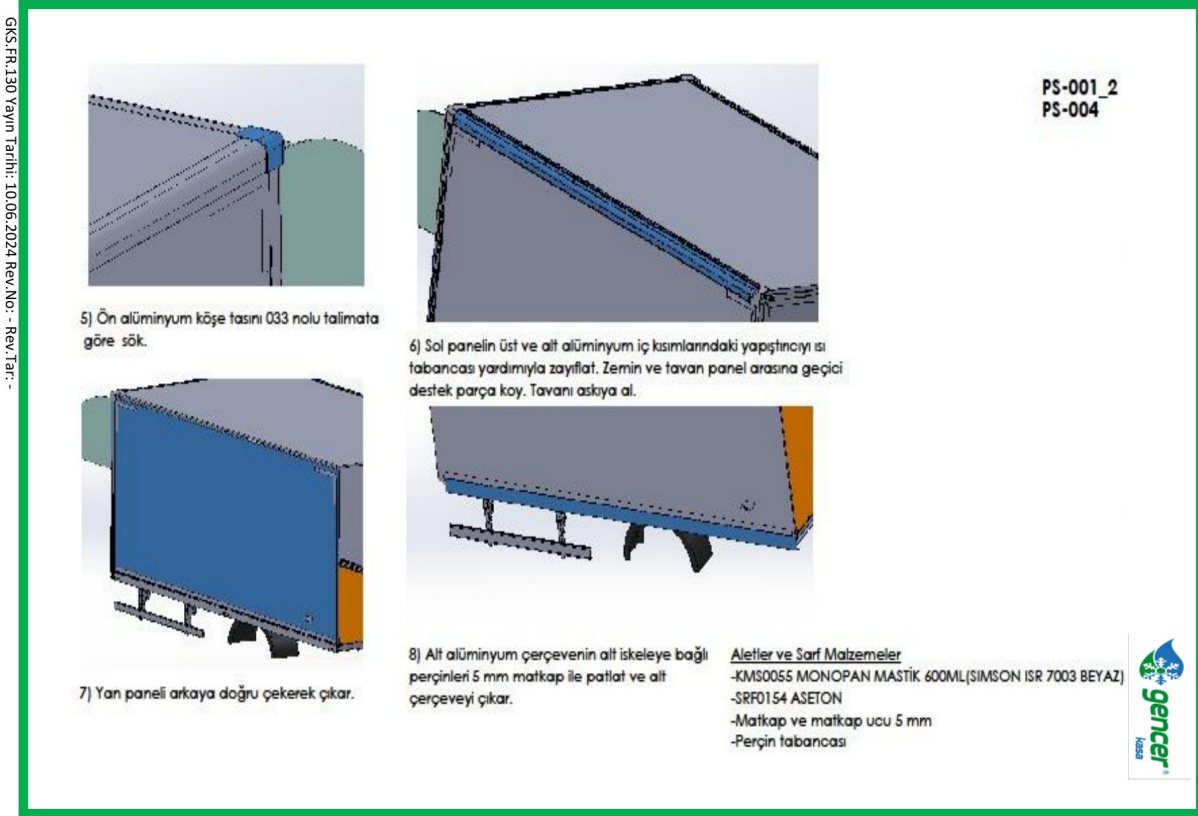
- 1) Remove the hinge in accordance with instruction 018.
- 2) Remove the aluminum corner-trim parts in accordance with instruction 033. Remove the clearance lamp in accordance with instruction 023.
- 3) Remove the door locking mechanism in accordance with instruction 012, the tube bump stops in accordance with instruction 019, and the rear impact stops in accordance with instruction 020; then lower/remove the doors.
- 4) Drill out the rivets of the frame shown in the figure using a 5 mm drill bit, clean the silicone with acetone or similar, and remove the frame as one piece.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun

PS-001_2 / PS-004

Original technical illustration - source page 17



English Instructions

- 1) Remove the front aluminum corner trim in accordance with instruction 033.
- 2) Using a heat gun, weaken the adhesive in the upper and lower inner aluminum sections of the left panel. Place a temporary support between the floor and roof panels and support the roof.
- 3) Pull the side panel toward the rear and remove it.
- 4) Drill out the rivets connecting the lower aluminum frame to the lower chassis using a 5 mm drill bit and remove the lower frame.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun

PS-002_1 / PS-003

Original technical illustration - source page 18



English Instructions

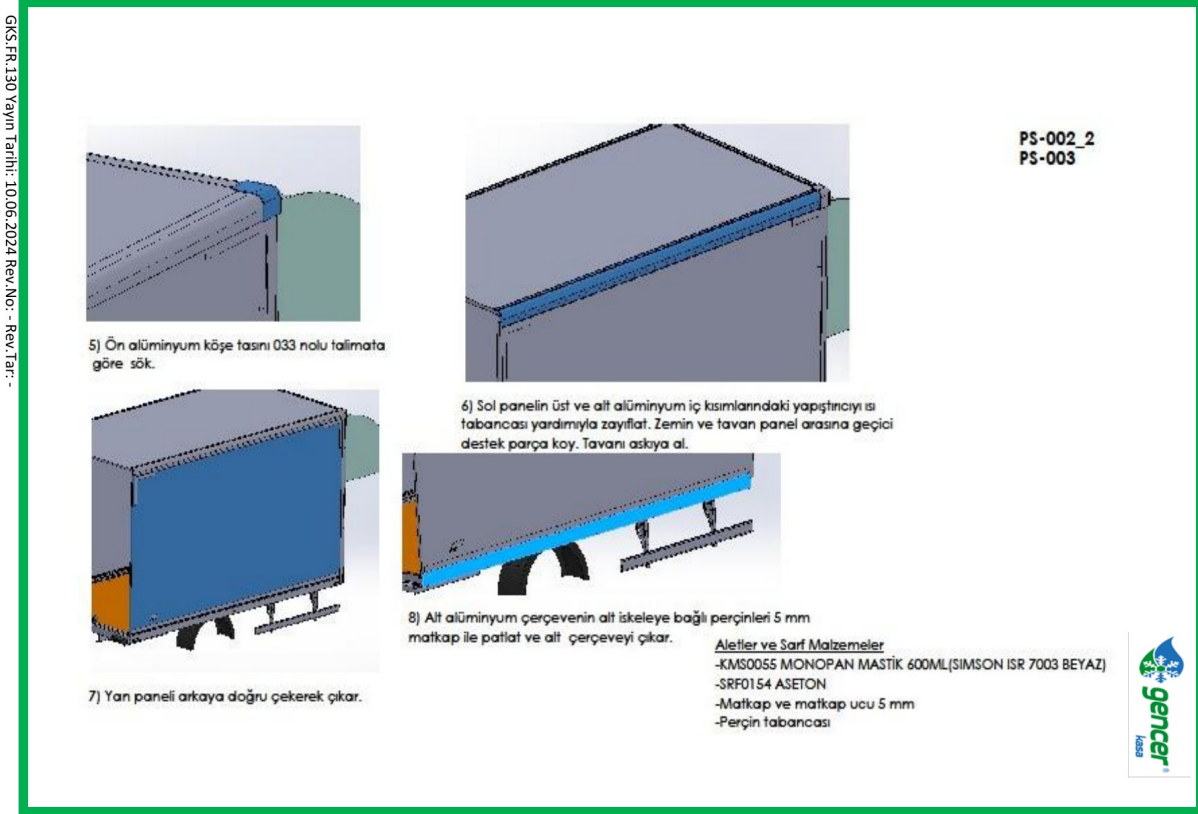
- 1) Remove the hinge in accordance with instruction 018.
- 2) Remove the aluminum corner-trim parts in accordance with instruction 033. Remove the clearance lamp in accordance with instruction 023.
- 3) Remove the door locking mechanism in accordance with instruction 012, the tube bump stops in accordance with instruction 019, and the rear impact stops in accordance with instruction 020; then lower/remove the doors.
- 4) Drill out the rivets of the frame shown in the figure using a 5 mm drill bit, clean the silicone with acetone or similar, and remove the frame as one piece.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun

PS-002_2 / PS-003

Original technical illustration - source page 19



English Instructions

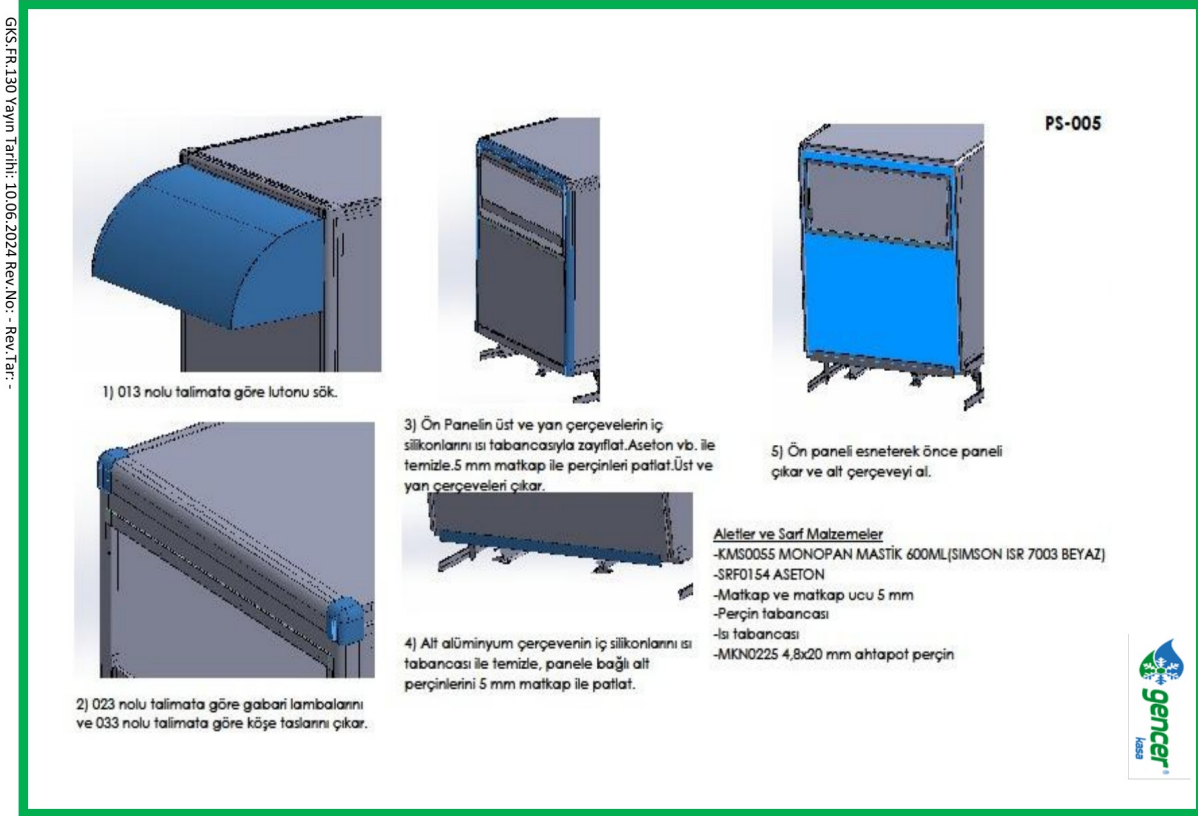
- 1) Remove the front aluminum corner trim in accordance with instruction 033.
- 2) Using a heat gun, weaken the adhesive in the upper and lower inner aluminum sections of the side panel. Place a temporary support between the floor and roof panels and support the roof.
- 3) Pull the side panel toward the rear and remove it.
- 4) Drill out the rivets connecting the lower aluminum frame to the lower chassis using a 5 mm drill bit and remove the lower frame.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun

PS-005

Original technical illustration - source page 20



English Instructions

- 1) Remove the luton/front fairing in accordance with instruction 013.
- 2) Remove the clearance lamps in accordance with instruction 023 and the corner trims in accordance with instruction 033.
- 3) Using a heat gun, weaken the silicone inside the upper and side frames of the front panel. Clean with acetone or similar. Drill out the rivets with a 5 mm drill bit and remove the upper and side frames.
- 4) Clean/soften the silicone inside the lower aluminum frame with a heat gun and drill out the lower rivets attached to the panel with a 5 mm drill bit.
- 5) Flex the front panel, remove it, and remove the lower frame.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun
- Heat gun
- MKN0225 4.8 x 20 mm octopus rivet

PS-006

Original technical illustration - source page 21



English Instructions

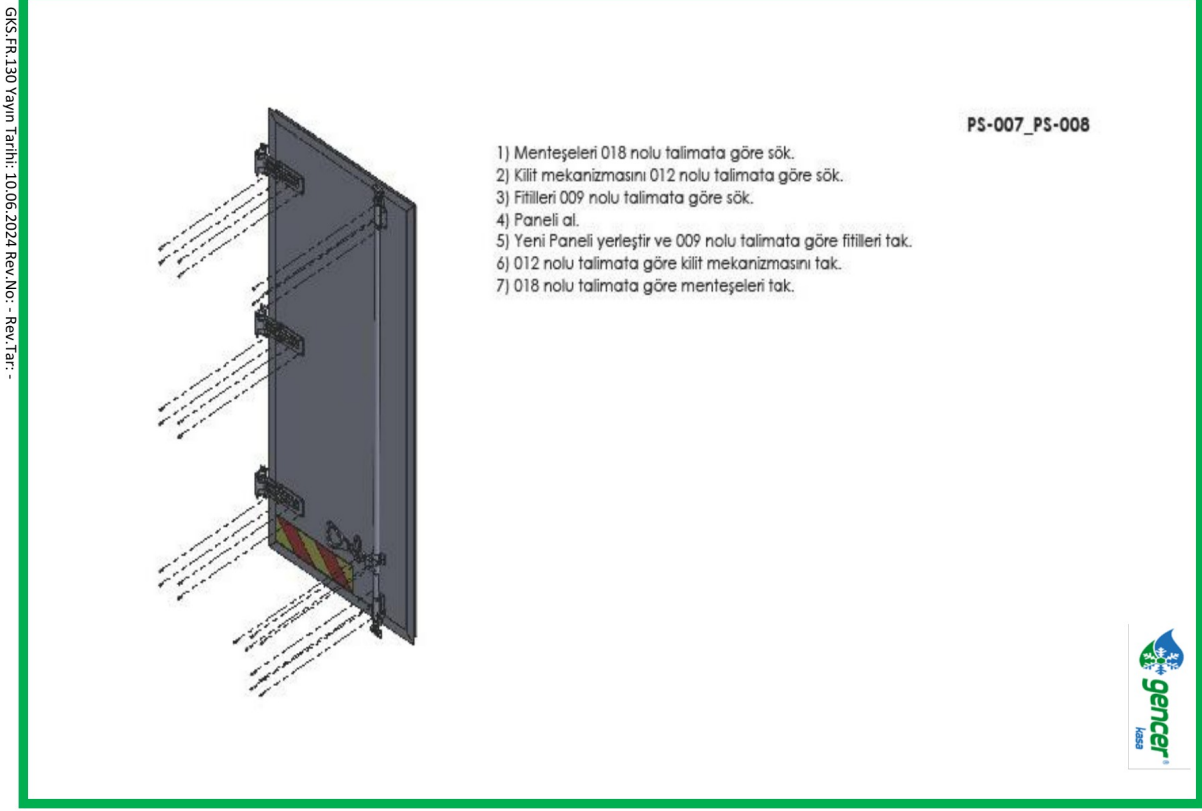
- 1) Remove the clearance lamps in accordance with instruction 023 and the aluminum corner trims in accordance with instruction 033.
- 2) Using a heat gun, weaken the silicone inside the upper and side frames of the front panel. Clean with acetone or similar. Drill out the rivets with a 5 mm drill bit and remove the upper and side frames.
- 3) Clean/soften the silicone inside the lower aluminum frame with a heat gun and drill out the lower rivets attached to the panel with a 5 mm drill bit.
- 4) Flex the front panel, remove it, and remove the lower frame.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun
- Heat gun
- MKN0225 4.8 x 20 mm octopus rivet

PS-007 / PS-008

Original technical illustration - source page 22



English Instructions

- 1) Remove the hinges in accordance with instruction 018.
- 2) Remove the lock mechanism in accordance with instruction 012.
- 3) Remove the seals in accordance with instruction 009.
- 4) Remove the panel.
- 5) Install the new panel and install the seals in accordance with instruction 009.
- 6) Install the lock mechanism in accordance with instruction 012.
- 7) Install the hinges in accordance with instruction 018.

PS-009

Original technical illustration - source page 23

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1) 007-008 nolu talimata göre kapıları sök.
 2) Resim 2 de belirtilen kapı iç kısmındaki perçinleri 5 mm matkap ile patlat.
 3) Ucu keskin olmayan aparat (spatula, tornavida vb.) yardımıyla alttan silikonlanmış eski fitili çıkar.
 4) Panel kenarında bulunan eski silikonları aseton vb. ile temizle.
 5) Yeni fitillerin iç kenarlarına silikon sık.(Resim 3)
 6) Fitillerin kanalları panel kenarlarına yerleştir ve 4, 8x20 ahtapot perçinleri at.

Resim 1

Aletler ve Sarf Matzemeler
 -KMS0055 MONOPAN MASTİK 600ML (SIMSON ISR 7003 BEYAZ)
 -SRF0154 ASETON
 -Matkap ve matkap ucu 5 mm
 -Perçin tabancası
 -MKN0225 4,8x20 mm ahtapot perçin

Resim 2

Resim 3

PS-009

gencer
 Kasa

English Instructions

- 1) Remove the doors in accordance with instructions 007-008.
- 2) Drill out the rivets on the inside of the door shown in Figure 2 using a 5 mm drill bit.
- 3) Using a blunt tool such as a spatula or screwdriver, remove the old seal that is siliconed from underneath.
- 4) Clean the old silicone from the panel edge using acetone or similar.
- 5) Apply silicone to the inner edges of the new seals (Figure 3).
- 6) Fit the seal channels onto the panel edges and install 4.8 x 20 mm octopus rivets.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun
- MKN0225 4.8 x 20 mm octopus rivet

PS-010

Original technical illustration - source page 24

GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev.No: - Rev.Tar: -

PS-010



- 1) 020 nolu talimata göre arka darbe takozlarını sök.
- 2) Sarı renkle belirtilen döküm kancalarının M8x50 civatalarını allen anahtar ile sök.
- 3) Zemin plywood ile alt iskelet arasındaki yapıştıncıyı ucu keskin olmayan (spatula, tornavida vb.) ile ayr.
- 4) Aseton vb. ile yüzeyi temizle.
- 3) Kırmızı renkle belirtilen bölgelerden kaynak bağlantılarını spiral taşla kes.
- 4) Alt çerçeveyi çıkar.
- 5) Yeni alt çerçeveyi yerleştir.
- 6) Birleşim yerlerini gaz altı kaynağı çift taraflı kaynat ve kaynak bağlantılarını tesviye et.
- 7) Döküm kancalarını yerleştir ve sabitle. (25 Nm)
- 8) 020 nolu talimata göre arka darbe takozlarını tak.

Aletler ve Sarf Matzemeler

- Kesici spiral taş
- Allen anahtar
- KMS0097 MONOPAN MASTİK 600ML(SIMSON ISR 7003 SİYAH)
- Aseton



English Instructions

- 1) Remove the rear impact stops in accordance with instruction 020.
- 2) Remove the M8 x 50 bolts of the cast hooks marked in yellow using an Allen key.
- 3) Separate the adhesive between the floor plywood and the lower frame using a blunt tool such as a spatula or screwdriver.
- 4) Clean the surface with acetone or similar.
- 5) Cut the weld connections in the areas marked in red using a cutting grinder.
- 6) Remove the lower frame.
- 7) Install the new lower frame.
- 8) Tack-weld the joints, complete double-sided welding, and dress/level the welds.
- 9) Install the cast hooks and tighten to 25 Nm.
- 10) Install the rear impact stops in accordance with instruction 020.

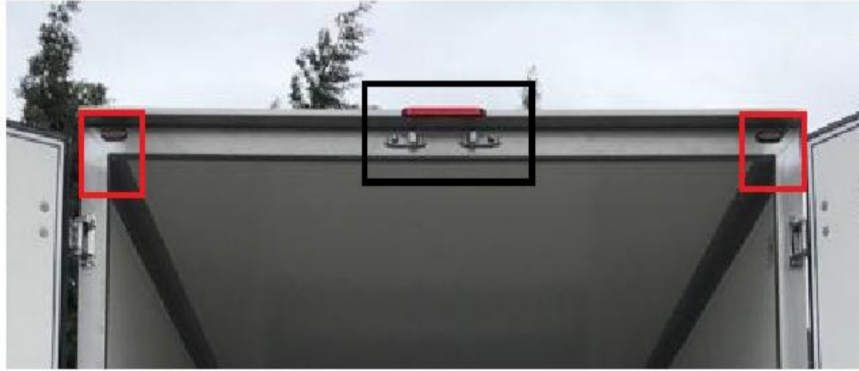
Tools and Consumables

- Cutting grinder
- Allen keys
- KMS0097 Monopan Mastic 600 ml (Simson ISR 7003 Black)
- Acetone

PS-011

Original technical illustration - source page 25

GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev.No: - Rev.Tar: -



PS-011

- 1) 023 nolu talimata göre gabari lambalarını sök.
- 2) 027 nolu talimata göre stop lambasını sök.
- 3) Stop lambası altındaki üst döküm kancalarının M8x50 civatalarını allen anahtar ile sök.
- 3) Kırmızı renkle belirtilen bölgelerdeki kaynak bağlantılarını spiral taş ile kes.
- 4) Üst çerçeveyi çıkar.
- 5) Yeni üst çerçeveyi tak.
- 6) Köşe kaynaklarını yap.
- 7) 023 nolu talimata göre gabari lambası ve 027 nolu talimata göre stop lambası bağlantılarını yap.
- 8) Döküm kancalarını yerleştir ve sabitle. (25 Nm)

Aletler ve Sarf Malzemeler

- M8 allen anahtar
- Kesici spiral taş
- Kaynak Makinası



English Instructions

- 1) Remove the clearance lamps in accordance with instruction 023.
- 2) Remove the stop lamp in accordance with instruction 027.
- 3) Remove the M8 x 50 bolts of the upper cast hooks below the stop lamp using an Allen key.
- 4) Cut the weld connections in the areas marked in red using a cutting grinder.
- 5) Remove the upper frame.
- 6) Install the new upper frame.
- 7) Weld the corner joints.
- 8) Reconnect/install the clearance lamps in accordance with instruction 023 and the stop lamp in accordance with instruction 027.
- 9) Install the cast hooks and tighten to 25 Nm.

Tools and Consumables

- M8 Allen key
- Cutting grinder
- Welding machine

PS-012

Original technical illustration - source page 26



English Instructions

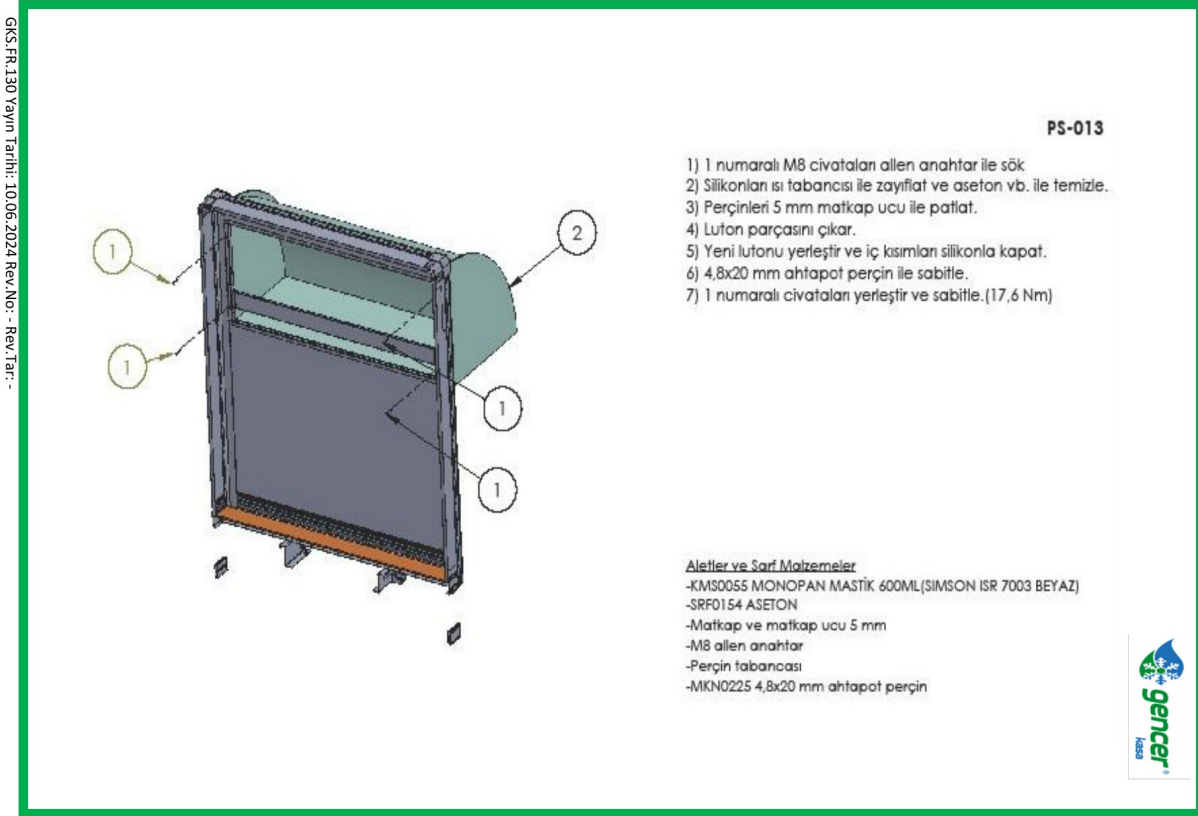
- 1) Remove the M8 x 25 bolts shown in the figure using an M8 Allen key.
- 2) Remove the lock mechanism.
- 3) Install the new lock mechanism.
- 4) Install and tighten the bolts to 25 Nm.

Tools and Consumables

- M8 Allen key

PS-013

Original technical illustration - source page 27



English Instructions

- 1) Remove the M8 bolts identified as item 1 using an Allen key.
- 2) Weaken the silicone using a heat gun and clean it with acetone or similar.
- 3) Drill out the rivets using a 5 mm drill bit.
- 4) Remove the luteon/front fairing part.
- 5) Install the new luteon/front fairing and seal the inner areas with silicone.
- 6) Secure with 4.8 x 20 mm octopus rivets.
- 7) Install the item 1 bolts and tighten to 17.6 Nm.

Tools and Consumables

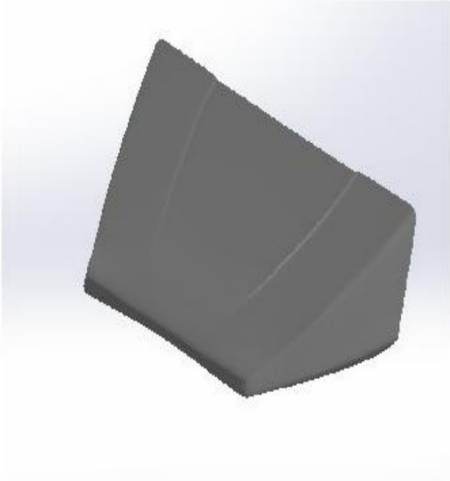
- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- M8 Allen key
- Rivet gun
- MKN0225 4.8 x 20 mm octopus rivet

PS-014

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GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev.No: - Rev.Tar: -

PS-014



1) Aracın tavanına bağlı rüzgarlığı altındaki kanallardan mastik silikonları ucu keskin olmayan spatula vb. aletle sök ve parçayı çıkar.

2) Eski silikonları ucu keskin olmayan spatula vb. alet ile yüzeyden temizle, yeni silikon sık ve rüzgarlığı yerleştir.

3) Kurumaya bırak.

Aletler ve Sarf Matzemeler

-KMS0055 MONOPAN MASTİK 600ML(SIMSON ISR 7003 BEYAZ)

-SRF0154 ASETON



English Instructions

- 1) Using a blunt spatula or similar tool, remove the mastic silicone from the channels under the wind deflector attached to the vehicle roof, and remove the wind deflector from the chassis/body.
- 2) Clean the old silicone from the surface using a blunt spatula or similar tool, apply new silicone, and install the wind deflector.
- 3) Leave to cure/dry.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone

PS-015_1

Original technical illustration - source page 29



English Instructions

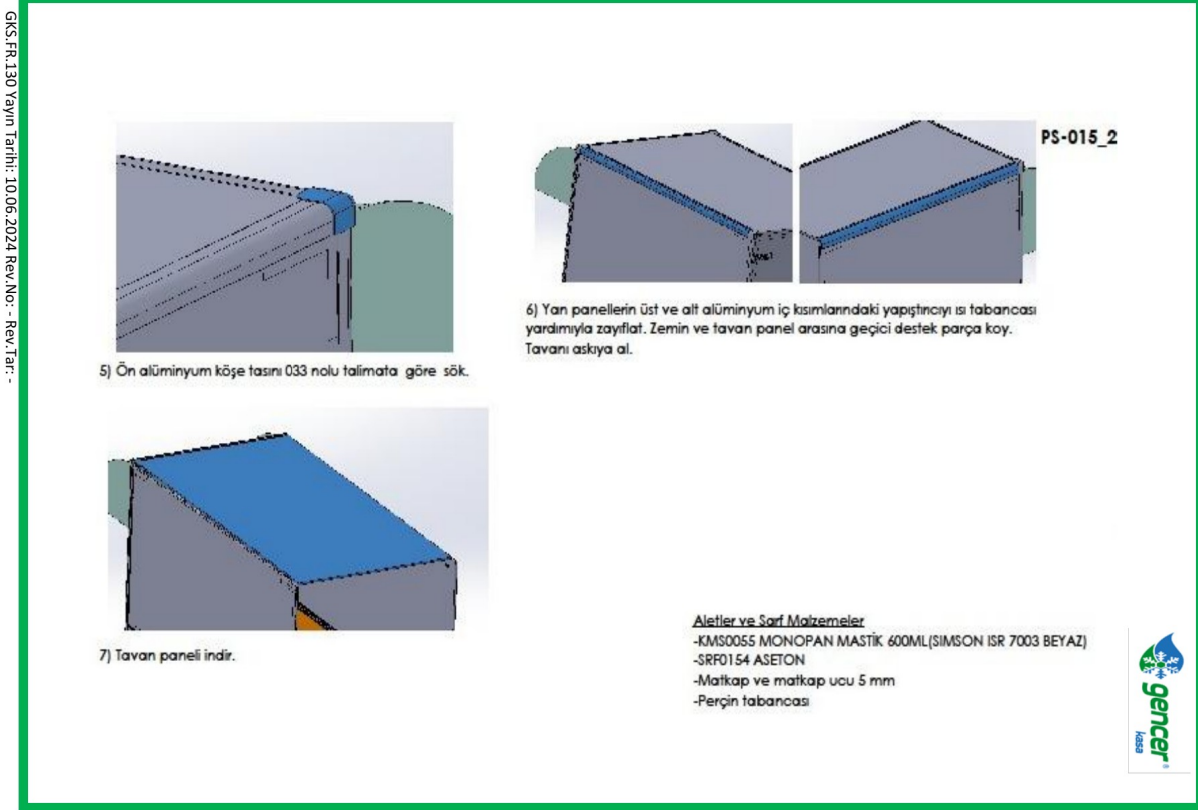
- 1) Remove the hinge in accordance with instruction 018.
- 2) Remove the aluminum corner-trim parts in accordance with instruction 033. Remove the clearance lamp in accordance with instruction 023.
- 3) Remove the door locking mechanism in accordance with instruction 012, the tube bump stops in accordance with instruction 019, and the rear impact stops in accordance with instruction 020; then lower/remove the doors.
- 4) Drill out the rivets of the frame shown in the figure using a 5 mm drill bit, clean the silicone with acetone or similar, and remove the frame as one piece.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun

PS-015_2

Original technical illustration - source page 30



English Instructions

- 1) Remove the front aluminum corner trim in accordance with instruction 033.
- 2) Using a heat gun, weaken the adhesive in the upper and lower inner aluminum sections of the side panels. Place a temporary support between the floor and roof panels and support the roof.
- 3) Remove the roof panel.

Tools and Consumables

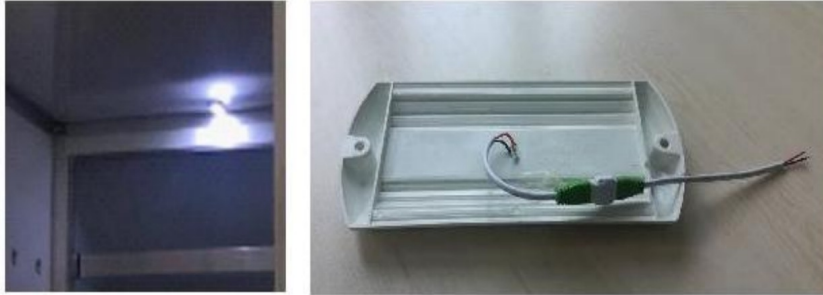
- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun

PS-016

Original technical illustration - source page 31

GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev.No: - Rev.Tar: -

PS-016



- 1) Tavanda bulunan montajlı lambanın resimde belirtilen konumdaki vidalarını yıldız tornavida ile sök.
- 2) Çevresindeki silikonları spatula, keski, vb. ile temizle.
- 3) Kablo bağlantı soketlerini ayr.
- 4) Yeni lambanın soket bağlantısını yap.
- 5) Yeni lambayı konumuna yerleştir, vidaları sıkarak sabitle ve çevre silikonlarını sık.

Aletler ve Sarf Malzemeler

- Yıldız uçlu tornavida
- Elektrik bandı



English Instructions

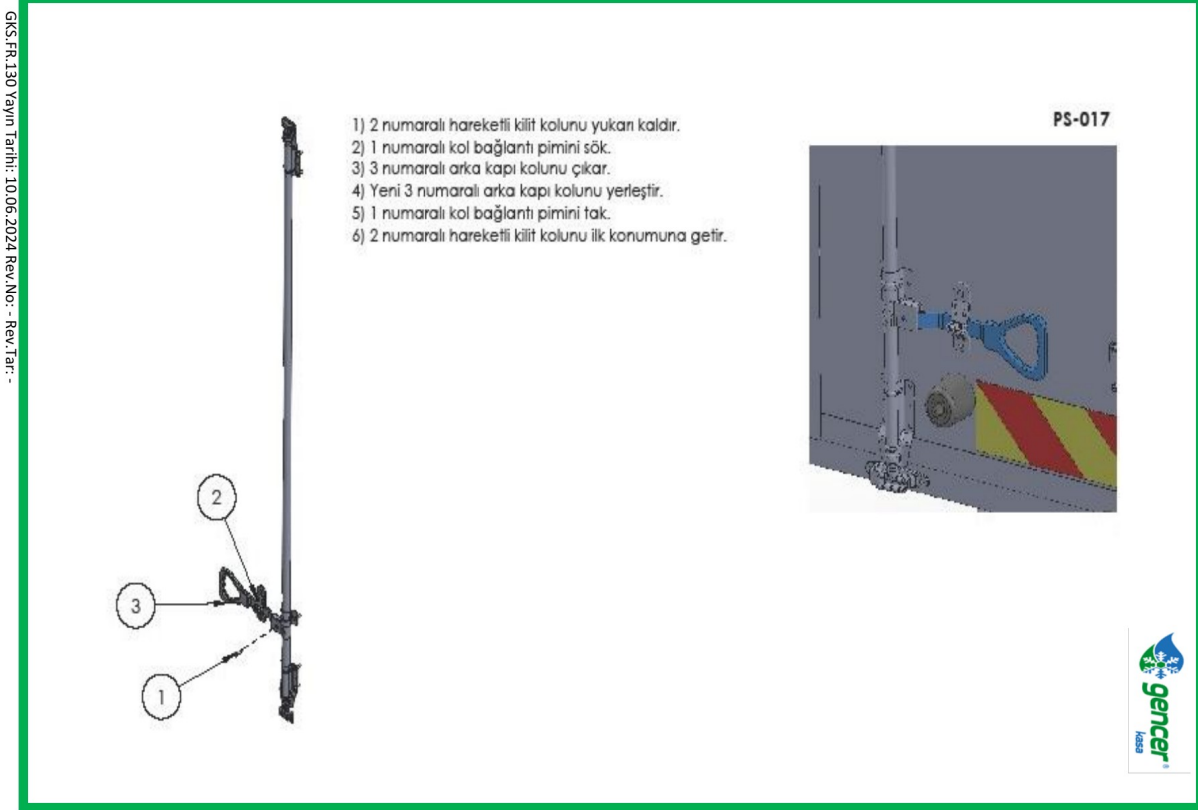
- 1) Remove the screws of the flush-mounted ceiling light at the positions shown using a Phillips screwdriver.
- 2) Clean the silicone around the light with a spatula, cutter or similar tool.
- 3) Disconnect the cable connection sockets.
- 4) Connect the socket of the new lamp.
- 5) Position the new lamp, tighten the screws to secure it, and apply silicone around the perimeter.

Tools and Consumables

- Phillips screwdriver
- Electrical tape

PS-017

Original technical illustration - source page 32

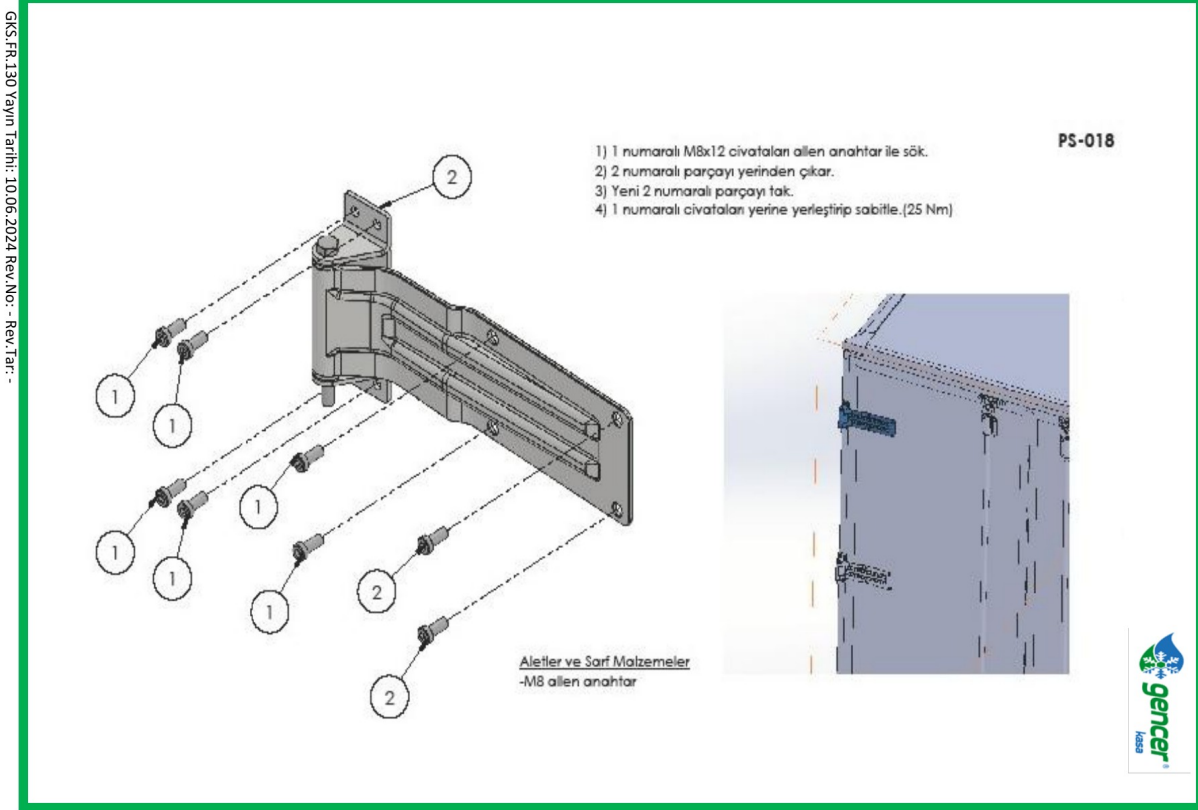


English Instructions

- 1) Lift the moving lock lever identified as item 2 upward.
- 2) Remove the handle connection pin identified as item 1.
- 3) Remove the rear door handle identified as item 3.
- 4) Install the new rear door handle identified as item 3.
- 5) Install the handle connection pin identified as item 1.
- 6) Return the moving lock lever identified as item 2 to its original position.

PS-018

Original technical illustration - source page 33



English Instructions

- 1) Remove the M8 x 12 bolts identified as item 1 using an Allen key.
- 2) Remove the part identified as item 2.
- 3) Install the new part identified as item 2.
- 4) Reinstall the item 1 bolts and tighten to 25 Nm.

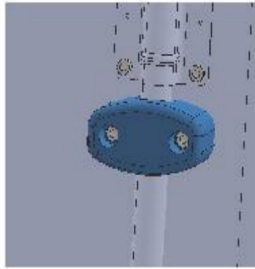
Tools and Consumables

- M8 Allen key

PS-019

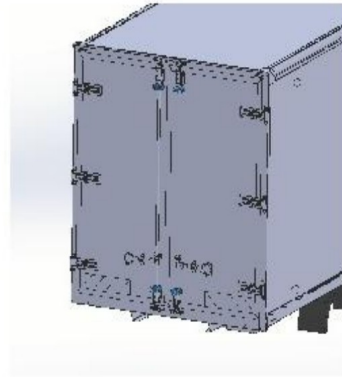
Original technical illustration - source page 34

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- 1) 2 numaralı M8x60 civataları allen anahtar ile sök.
- 2) 1 numaralı takozu al.
- 3) Yeni 2 numaralı takozu yerleştir.
- 4) 2 numaralı civatayı yerine yerleştir ve allen anahtar ile sık. (17,6 Nm)

Aletler ve Sarf Malzemeler
-M8 allen anahtar



PS-019



English Instructions

- 1) Remove the M8 x 60 bolts identified as item 2 using an Allen key.
- 2) Remove the stop/buffer identified as item 1.
- 3) Install the new stop/buffer identified as item 1.
- 4) Reinstall the item 2 bolts and tighten to 17.6 Nm.

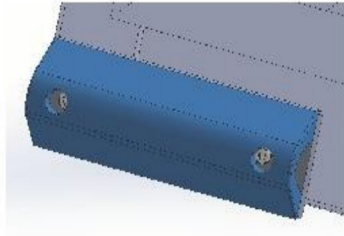
Tools and Consumables

- M8 Allen key

PS-020

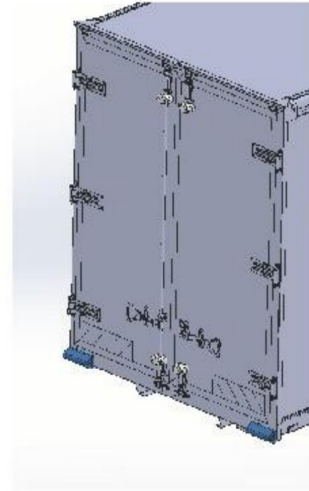
Original technical illustration - source page 35

GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev.No: - Rev.Tar: -



- 1) 2 numaralı M8x50 civataları allen anahtar ile sök.
- 2) 1 numaralı parçayı çıkar.
- 3) Yeni 1 numaralı parçayı yerleştir.
- 4) 2 numaralı civataları yerleştir ve allen anahtar sabitle. (17,6 Nm)

Aletler ve Sarf Malzemeler
-M8 allen anahtar



PS-020



English Instructions

- 1) Remove the M8 x 50 bolts identified as item 2 using an Allen key.
- 2) Remove the part identified as item 1.
- 3) Install the new part identified as item 1.
- 4) Reinstall the item 2 bolts and tighten to 17.6 Nm.

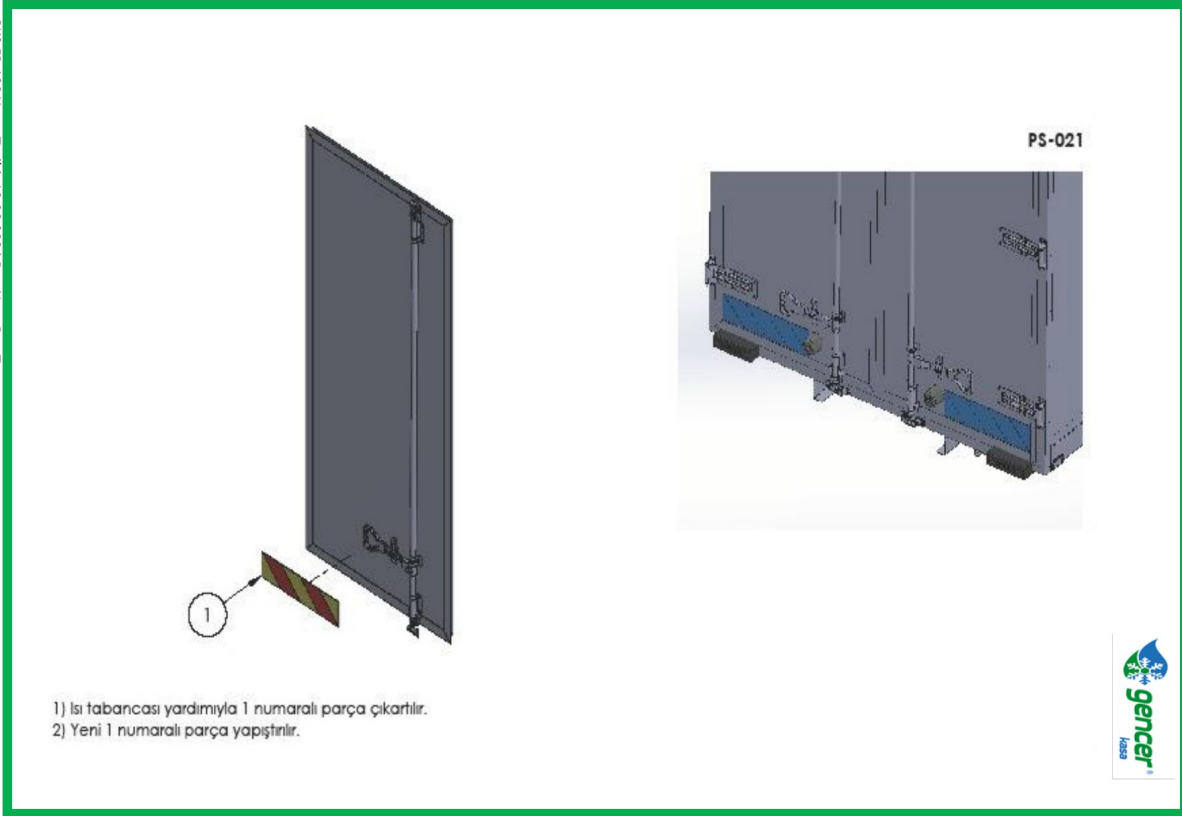
Tools and Consumables

- M8 Allen key

PS-021

Original technical illustration - source page 36

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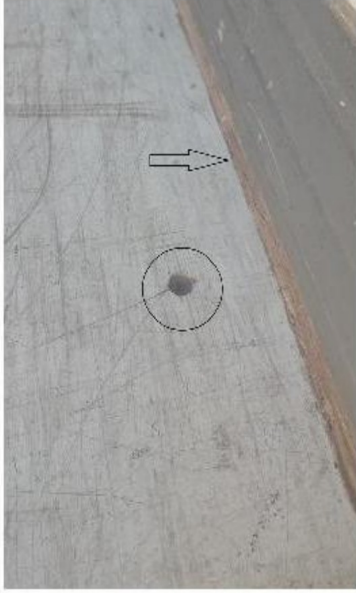
English Instructions

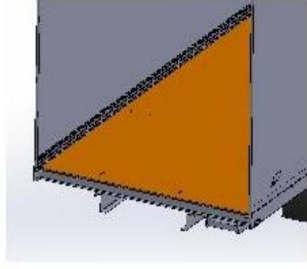
- 1) Use a heat gun to remove part 1.
- 2) Bond/install the new part 1.

PS-022

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PS-022

- 1) Ok ile belirtilen alt çerçevenin iç silikonlarını ısıtıcı tabanca ile zayıflat.
- 2) Aseton vb. ile silikonları temizle.
- 3) Taban panel üzerindeki (6,3 x 65 mm konteyner vidası) taban vidalarını sök.
- 4) Çamurluk civatalarını sök. (M8 bombe başlı)
- 5) Zemin plywoodu ile traversler arasındaki yapıştırıcıdan ayırmak için zemin plywoodu kriko yardımıyla yukarı doğru gerdir. Zemin plywoodu çıkar.
- 6) Zemin ara destek parçalarının üzerindeki eski silikonları keskin bir alet yardımıyla temizle.
- 7) Yeni taban paneli yerleştir.
- 8) Taban vidalarını (6,3 x 65 mm konteyner vidası) yerleştir ve havşa baş yüzüyle aynı seviyeye gelene kadar sık.
- 9) Kenar kısımlara silikon sık ve kurumaya bırak.

Aletler ve Sarf Malzemeler

- KMS0097 MONOPAN MASTİK 600ML(SİMON ISR 7003 SİYAH)
- SRF0154 ASETON
- Isı tabancası
- Şarjlı vidalama



English Instructions

- 1) Using a heat gun, weaken the silicone inside the lower frame indicated by the arrow.
- 2) Clean the silicone with acetone or similar.
- 3) Remove the floor-panel screws (6.3 x 65 mm container screws).
- 4) Remove the mudguard bolts (M8 button-head).
- 5) To separate the floor plywood from the adhesive between the crossmembers, raise the plywood using a jack.
Remove the floor plywood.
- 6) Clean old silicone from the floor intermediate support parts using a sharp tool.
- 7) Install the new floor panel.
- 8) Install the floor screws (6.3 x 65 mm container screws) and tighten them until they are flush with the countersunk surface.
- 9) Apply silicone around the edges and leave to cure/dry.

Tools and Consumables

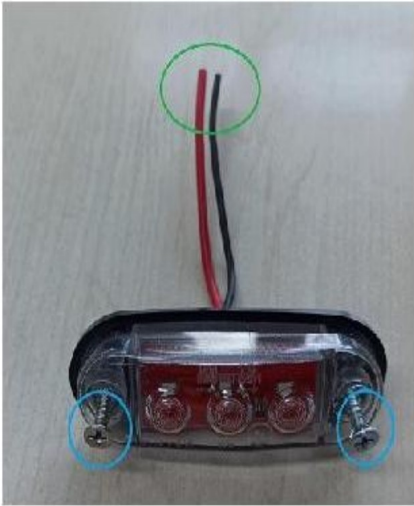
- KMS0097 Monopan Mastic 600 ml (Simson ISR 7003 Black)
- SRF0154 Acetone
- Heat gun
- Cordless driver

PS-023

Original technical illustration - source page 38

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PS-023





- 1) Mavi renkle belirtilen vidaları yıldız tornavida ile sök.
- 2) Lambayı yerinden çıkar ve kablo bağlantılarını ayır.
- 3) Araçtan gelen sarı renkli(+) ile yeni lambadan gelen kırmızı renkli(+) birleştir. Sonra şasi kablolarını birleştir.
- 4) Bağlantı açık kalmayacak şekilde elektrik bandıyla izole et.
- 5) Yeni lambayı yerine yerleştir ve vidaları yıldız tornavida ile sıkarak sabitlediğinden emin ol.

Aletler ve Sarf Malzemeler

- Yıldız uçlu tornavida
- Elektrik bandı



English Instructions

- 1) Remove the screws marked in blue using a Phillips screwdriver.
- 2) Remove the lamp and disconnect the cable connections.
- 3) Join the continuous positive (+) yellow wire from the vehicle to the red (+) wire from the new lamp. Then connect the chassis/ground wires.
- 4) Insulate the connection with electrical tape so that no connection remains exposed.
- 5) Position the new lamp and tighten the screws with a Phillips screwdriver to secure it.

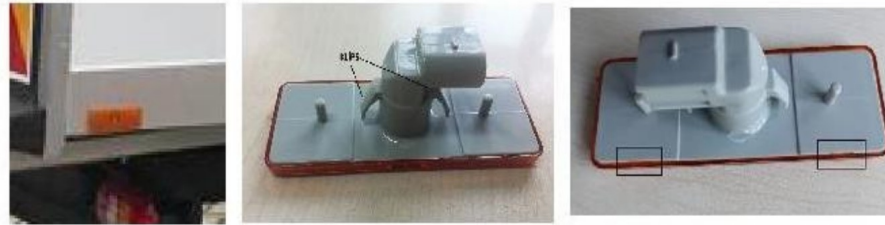
Tools and Consumables

- Phillips screwdriver
- Electrical tape

PS-024

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GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev.No: - Rev.Tar: -



PS-024

- 1) Lambanın soketini sök.
- 2) Lambayı arkasında bulunan klipsi sıkarak çıkar.
- 3) Yeni lambayı resimde belirtilen boşluklar aşağı yönde olacak şekilde konumuna yerleştir ve soketi tak.



English Instructions

- 1) Disconnect the lamp socket.
- 2) Press/squeeze the retaining clip behind the lamp and remove the lamp.
- 3) Install the new lamp with the notches shown in the figure facing downward, then connect the socket.

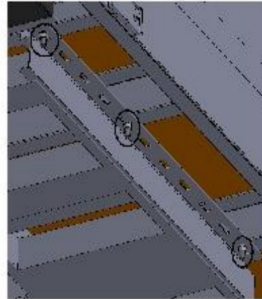
PS-025 / PS-026

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Resim 1



Resim 2

PS-025_PS-026

- 1) Resim 2 de belirtilen M10 x 25 civataları sök.
- 2) Basamak setini çıkar.
- 4) Basamak setini kasa altındaki yerine yerleştir.
- 5) Resim 2 de belirtilen civataları yerleştir ve sabitle. (18 Nm)

Aletler ve Sarf Materyaller
-17 mm anahtar



English Instructions

- 1) Remove the M10 x 25 bolts shown in Figure 2.
- 2) Remove the step assembly.
- 3) Position the step assembly in its location under the body.
- 4) Install the bolts shown in Figure 2 and tighten to 18 Nm.

Tools and Consumables

- 17 mm wrench

PS-027

Original technical illustration - source page 41

GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev.No: - Rev.Tar: -



English Instructions

- 1) Remove the screws marked in blue using a Phillips screwdriver.
- 2) Remove the lamp and disconnect the cable connections.
- 3) Pass the cable coming from the vehicle through the heat-shrink sleeve.
- 4) Join the red (+) wire of the new lamp to the red (+) wire from the vehicle. Then connect the chassis/ground wires.
- 5) Insulate the joined ends with electrical tape so that they are not exposed and cannot contact each other.
- 6) Center the heat-shrink sleeve over the joined cables and shrink it using a heat gun.
- 7) Install the new lamp and tighten the screws with a Phillips screwdriver to ensure it is securely fixed.

Tools and Consumables

- Electrical tape
- Phillips screwdriver
- Heat gun

PS-028

Original technical illustration - source page 42

GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev.No: - Rev.Tar: -



English Instructions

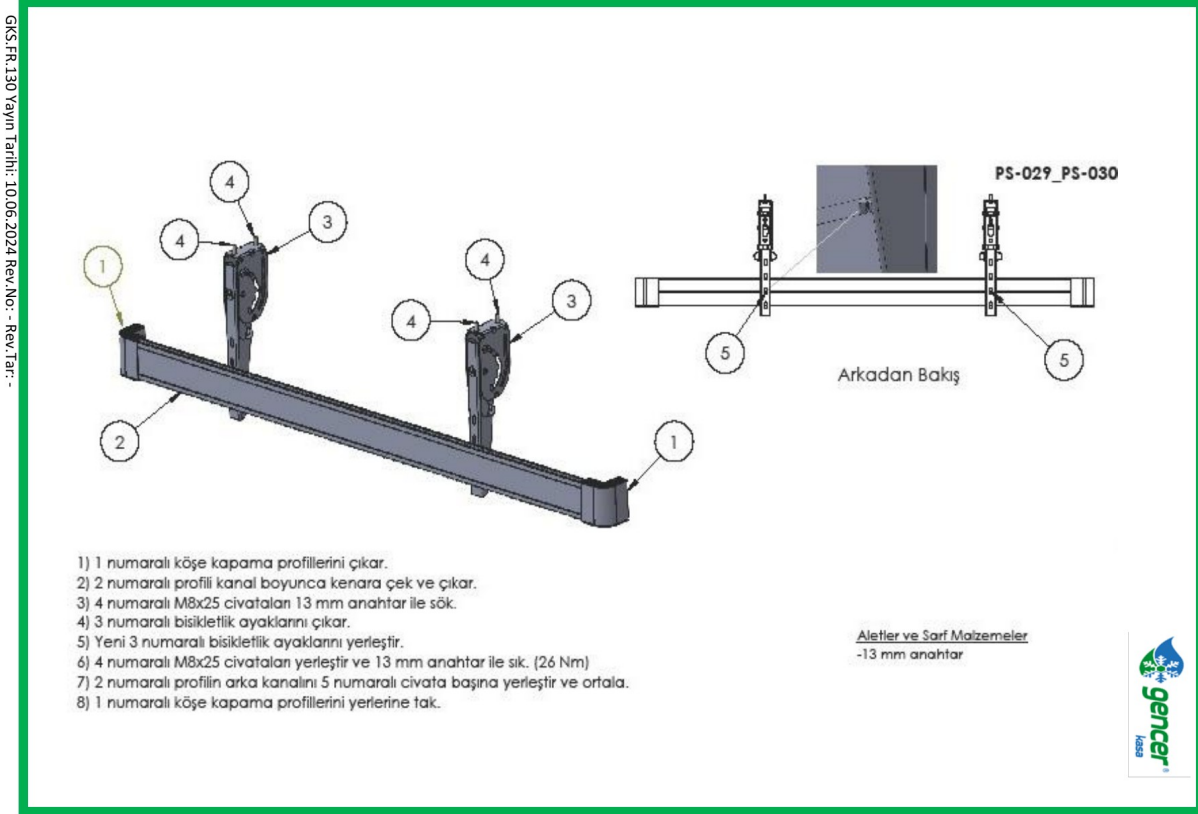
- 1) Using a heat gun, weaken the silicone underneath the load-securing hook and remove the part.
- 2) Clean the old silicone from the installation area with acetone or similar and apply new silicone.
- 3) Install the new load-securing hook and leave it to cure/dry.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Heat gun

PS-029 / PS-030

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English Instructions

- 1) Remove the corner closure profiles identified as item 1.
- 2) Pull profile 2 toward the edge along the channel and remove it.
- 3) Remove the M8 x 25 bolts identified as item 4 using a 13 mm wrench.
- 4) Remove the side-guard/cyclist-protection legs identified as item 3.
- 5) Install the new item 3 side-guard legs.
- 6) Install the item 4 M8 x 25 bolts and tighten with a 13 mm wrench to 26 Nm.
- 7) Insert profile 2 into channel 5 and center it.
- 8) Reinstall the corner closure profiles identified as item 1.

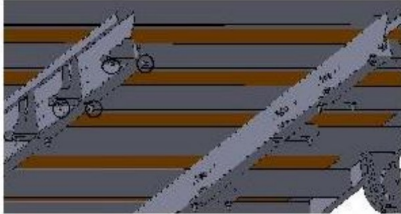
Tools and Consumables

- 13 mm wrench

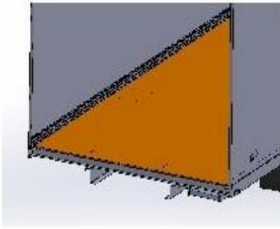
PS-031

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GKS.FR.130 Yayın Tarihi: 10.06.2024 Rev No: - Rev Tar: -



1) Şasinin araca bağlantısı sağlayan M10x1,5x35 (63 Nm) civataları 17 mm anahtar ile sök ve kasayı araçtan indir.



2) 022 nolu talimata göre tabanı sök.



3) Resimde belirtilen alt alüminyum çerçevelerin şasiyle bağlantısını sağlayan perçinleri 5 mm matkap ile patlat ve ana iskeleti al.

Aletler ve Sarf Malzemeler
-17 mm anahtar
-5 mm matkap ucu ve matkap



English Instructions

- 1) Remove the M10 x 1.5 x 35 bolts (63 Nm) that connect the body chassis/subframe to the vehicle using a 17 mm wrench, and lower/remove the body from the vehicle.
- 2) Remove the floor in accordance with instruction 022.
- 3) Drill out the rivets connecting the lower aluminum frames to the lower chassis/subframe using a 5 mm drill bit and remove the lower frame.

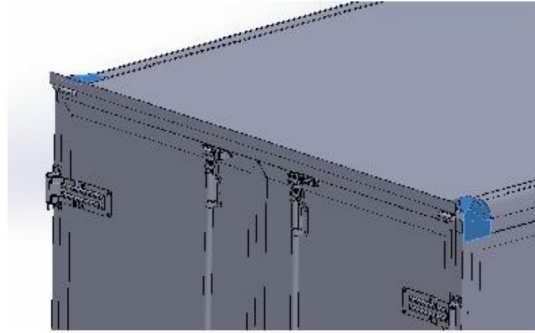
Tools and Consumables

- 17 mm wrench
- Drill and 5 mm drill bit

PS-033

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PS-033

- 1) 5 mm matkap ile perçini patlat.
- 2) Isı tabancası ile ısıtarak yapıştırıcıyı zayıflat.
- 3) Herhangi kaldırıcı (spatula, tornavida vs.) ile parçayı yerinden sök.
- 4) Maket bıçağı yardımıyla eski yapıştırıcıyı yüzeyden aseton veya benzeri kimyasal ile temizle.
- 5) Yeni arka köşe taşı parçasının iç kısmına yapıştırıcı sür.
- 6) Parçayı yerine uygun pozisyonda tak
- 7) 4,8x16 mm Alüminyum pop perçin ile sabitle.

Aletler ve Sarf Malzemeler

- KMS0055 MONOPAN MASTİK 600ML (SIMSON ISR 7003 BEYAZ)
- SRF0154 ASETON
- Matkap ve matkap ucu 5 mm
- Perçin tabancası
- MKN0215 4,8x16 mm alüminyum pop perçin



English Instructions

- 1) Drill out the rivet using a 5 mm drill bit.
- 2) Weaken the adhesive by heating it with a heat gun.
- 3) Remove the part using a suitable prying tool such as a spatula or screwdriver.
- 4) Clean the old adhesive from the surface using acetone or a similar chemical.
- 5) Apply adhesive to the inner side of the new rear corner-trim part.
- 6) Fit the part in the correct position.
- 7) Secure it with a 4.8 x 16 mm aluminum pop rivet.

Tools and Consumables

- KMS0055 Monopan Mastic 600 ml (Simson ISR 7003 White)
- SRF0154 Acetone
- Drill and 5 mm drill bit
- Rivet gun
- MKN0215 4.8 x 16 mm aluminum pop rivet

PS-034

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1) Hasar alan bölgeyi 60'lık zımpara ile temizle ve macun için yüzeyi hazırla. Çelik macun ile yüzeyi onar.

Aletler ve Sarf Matzemeler

- 60'lık zımpara
- Çelik macun
- Boya
- Tiner



2) Boya öncesi astar ile yüzeyi hazırla.



3) Ral 9016 trafik beyazı rengi ile boy.

PS-034



English Instructions

- 1) Clean the damaged area with 60-grit sandpaper and prepare the surface for filler. Repair the surface using steel/body filler.
- 2) Prepare the surface with primer before painting.
- 3) Paint using RAL 9016 Traffic White.

Tools and Consumables

- 60-grit sandpaper
- Steel/body filler
- Paint
- Thinner

Manufacturer Contact Information

GENCER OTOMOTİV KARASÖR VE BEYAZ EŞYA SAN. TİC. LTD. ŞTİ.

Tepeören Mevkii İ.T.O.S.B. 3. Cadde No: 27, Tuzla / İstanbul, Türkiye

Tel: +90 216 593 15 70 | Fax: +90 216 593 15 77-78

E-mail: info@gencerkasa.com

Website: www.gencerkasa.com