



Einzelteilliste

Liste de pieces

Onderdelenlijst

Part list

Lista de componentes

Elenco componenti

Dellista

Seznam dílů

Del-liste

Osaluettelo

Κατάλογος εξαρτημάτων

Delliste

Lista części

DE

FR

NL

GB

ES

IT

SE

CZ

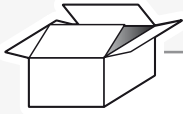
DK

FI

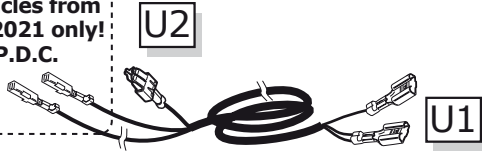
GR

NO

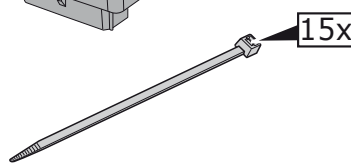
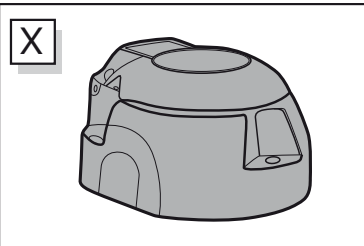
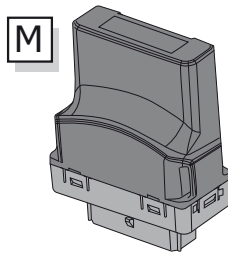
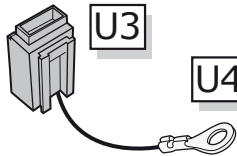
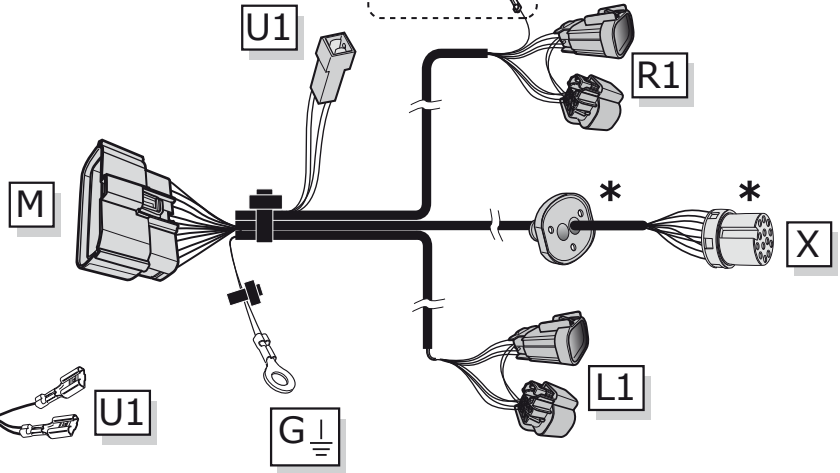
PL



Vehicles from 07/2021 only! P.D.C.

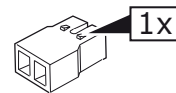
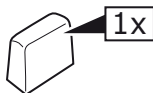
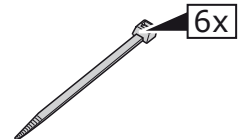
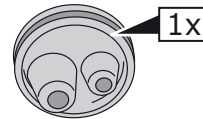
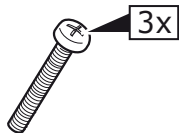
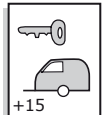
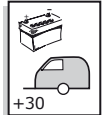


Vehicles until 06/2021 only! P.D.C.



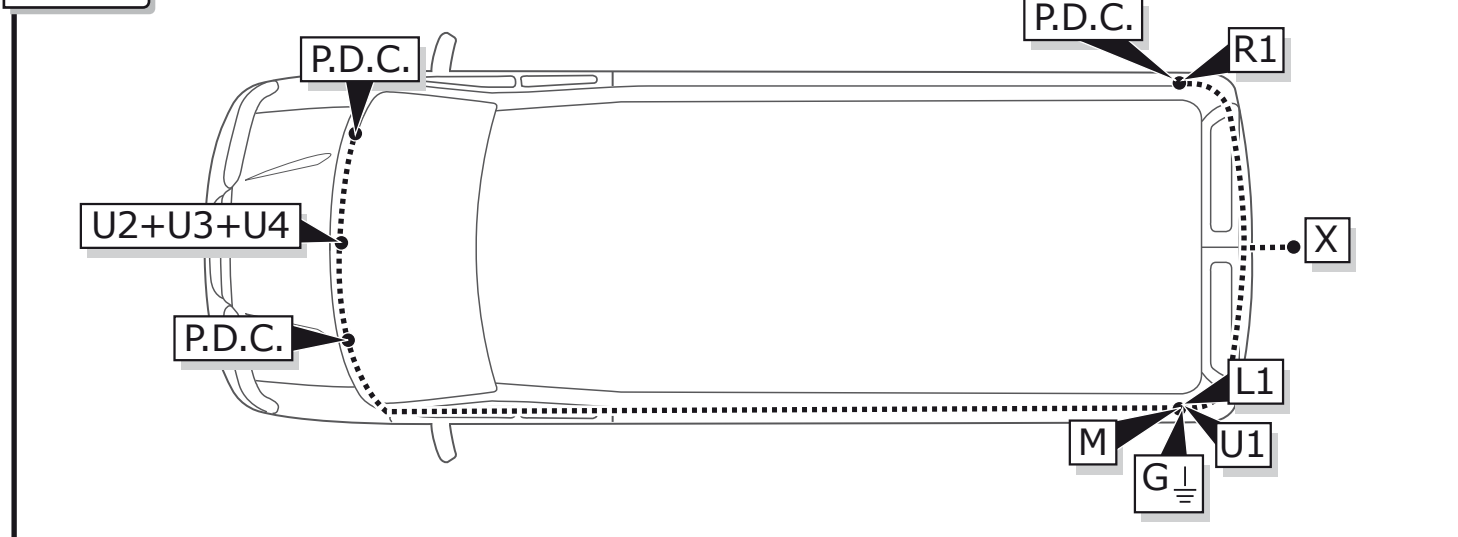
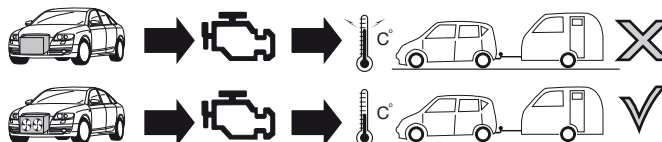
\* OPTION +30/+15 FI050ZZ

vorbereitung für  
préparation pour  
voorbereiding voor  
preparation for  
preparación para  
preparazione per  
förberedelse för  
příprava pro  
förberedelse for  
valmistelu varten  
Προετοιμασία για  
förberedelse på  
przygotowanie do



**INFO**

|    | BK      | BN      | BU        | GY     | GN      | WH        | YE        | OG           | PE        | PI              | RD       | NL              | BG     | LG              |
|----|---------|---------|-----------|--------|---------|-----------|-----------|--------------|-----------|-----------------|----------|-----------------|--------|-----------------|
| DE | Schwarz | Braun   | Blau      | Grau   | Grün    | Weiß      | Gelb      | Orange       | Violett   | Rosa            | Rot      | Naturfarben     | Beige  | Hellgrün        |
| FR | Noir    | Marron  | Bleu      | Gris   | Vert    | Blanc     | Jaune     | Orange       | Violet    | Rose            | Rouge    | Nature          | Beige  | Vert Clair      |
| NL | Zwart   | Bruin   | Blauw     | Grijs  | Groen   | Wit       | Geel      | Oranje       | Paars     | Roze            | Rood     | Naturel         | Beige  | Licht Groen     |
| GB | Black   | Brown   | Blue      | Grey   | Green   | White     | Yellow    | Orange       | Purple    | Pink            | Red      | Natural colour  | Beige  | Light Green     |
| ES | Negro   | Marrón  | Azul      | Gris   | Verde   | Blanco    | Amarillo  | Naranja      | Morado    | Rosa            | Rojo     | Color natural   | Beige  | Verde Claro     |
| IT | Nero    | Marrone | Blu       | Grigio | Verde   | Bianco    | Giallo    | Arancione    | Viola     | Rosa            | Rosso    | Colori naturali | Beige  | Verde Chiaro    |
| SE | Svart   | Brun    | Blå       | Grå    | Grön    | Vit       | Gul       | Orange       | Lila      | Rosa            | Röd      | Naturfärger     | Beige  | Ljusgrön        |
| CZ | Černá   | Hnědá   | Modrá     | Šedá   | Zelená  | Bílá      | Žlutá     | Oranžová     | Fialová   | Růžová          | Červená  | Přírodní        | Béžový | světle zelená   |
| DK | Sort    | Brun    | Blå       | Grå    | Grøn    | Hvid      | Gul       | Orange       | Lilla     | Pink            | Rød      | Naturfarvet     | Beige  | lysegrøn        |
| FI | Musta   | Ruskea  | Sininen   | Harmaa | Vihreä  | Valkoinen | Keltainen | Oranssi      | Purppura  | Vaaleanpunainen | Punainen | Luonnonväri     | Beige  | vaaleanvihreä   |
| GR | Μαύο    | Καφέ    | Μπλε      | Γκρι   | Πράσινο | Λευκό     | Κίτρινο   | Πορτοκαλί    | Μοβ       | Ροζ             | Κόκκινο  | Φυσικά χρώματα  | μπεζ   | ανοιχτό πράσινο |
| NO | Svart   | Brun    | Blå       | Grå    | Grønn   | Hvit      | Gul       | Oransje      | Lilla     | Rosa            | Rød      | Naturfarger     | Beige  | lysegrønn       |
| PL | Czarny  | Brazowy | Niebieski | Szary  | Zielony | Biały     | Żółty     | Pomarańczowy | Purpurowy | Różowy          | Czerwony | Barwy           | beżowy | jasnozielony    |

**ROUTING**

**1**

**ACHTUNG!**

DE

Die Kühlerleistung des Fahrzeuges muß bei Nachrüstung einer Anhängerkupplung möglicherweise erhöht werden! Bitte unbedingt Herstellerangaben beachten!!

**ATTENTION!**

FR

Il peut s'avérer nécessaire d'augmenter la puissance du radiateur du véhicule lorsque celui est équipé ultérieurement d'un attelage remorque! Respecter impérativement les instructions du constructeur!!

**ATTENTIE!**

NL

Het koelvermogen van het voertuig moet mogelijk worden verhoogd als achteraf een aanhangerkoppeling wordt aangebracht! Absoluut de fabrieksopgaven in acht nemen a.u.b.!!

**ATTENTION!**

GB

The vehicle's cooling capacity may have to be increased when retrofitting a trailer coupling! You must observe the manufacturer's instructions!!

**¡ATENCIÓN!**

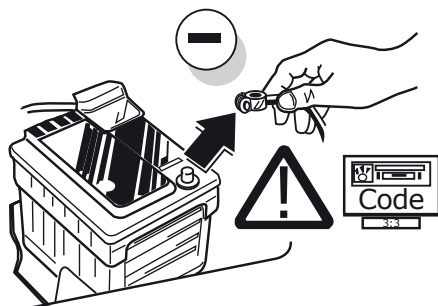
ES

¡Es posible que haya que aumentar la capacidad del radiador en caso de reequipar un acoplamiento de remolque! ¡Rogamos tener en cuenta las instrucciones de fabricante sin falta!

**ATTENZIONE!**

IT

La capacità di raffreddamento del veicolo, quando si applica un gancio di traino, si deve possibilmente aumentare! Si prega di osservare tassativamente le indicazioni del produttore!!



DE

Um Störungen und Schäden am Bordnetz zu vermeiden, muss die Massepolklemme unbedingt vor Beginn aller Arbeiten von der Fahrzeugbatterie getrennt werden! Insbesondere bei Arbeiten und Anschlüssen am CAN-Datenbus kann bei nicht abgeklemmter Batterie sowohl das Anhängermodul als auch das fahrerseitige Bordnetzsteuergerät beschädigt werden! Bitte Herstellervorschriften beim Ab- und Anklebmen der Fahrzeugbatterie beachten!

FR

Afin d'éviter tout dys-fonctionnement ou endom-magement du circuit de bord, il est indispensable de débrancher la pince de masse de la batterie du véhicule avant le début de toute opération! En particulier s'il s'agit de travaux et de branchements effectués sur le bus de données CAN, si la batterie n'est pas débranchée, le module remorque aussi bien que le dispositif de commande de circuit de bord du véhicule risquent d'être endommagés! Veuillez respecter les directives du fabricant lors du branchement et du débranchement de la batterie du véhicule!

NL

Om storingen en schade aan de elektrische bedrading te vermijden moet de massapoolklem absoluut vóór aanvang van alle werkzaamheden worden losgekoppeld van de voertuigaccu! Vooral bij werkzaamheden aan en aansluitingen op de CAN-databus kan zowel de aanhangermodule als de voertuigzijdige regelenheid voor de elektrische installatie beschadigd worden, als de accu niet ontkoppeld is! Fabrieksvoorschriften bij het vast- en loskoppelen van de voertuigaccu in acht nemen a.u.b.!

GB

In order to avoid mal-functions and damage to the vehicle's electrical system the earth terminal must be disconnected from the vehicle's battery before starting work! Both the trailer module and the vehicle's control unit for the electrical system can be damaged during work on the CAN data bus connections if the battery is not disconnected! Please pay attention to the manufacturer's instructions when disconnecting and reconnecting the vehicle's battery!

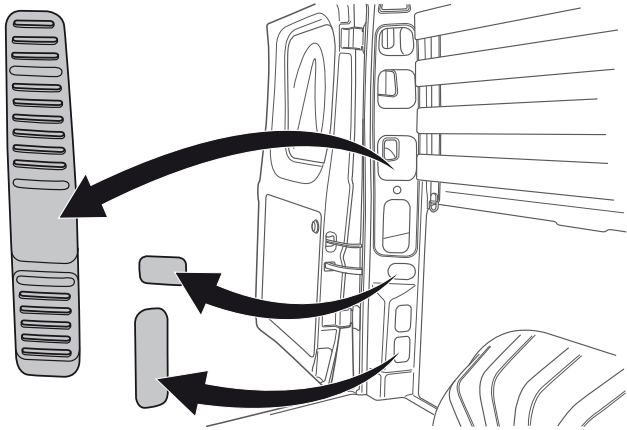
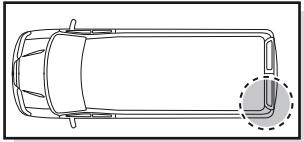
ES

¡Para evitar fallos y defectos en el sistema eléctrico de a bordo es imprescindible separar al terminal de puesta a tierra de la batería del vehículo antes de realizar cualquier trabajo! ¡Particularmente al realizar trabajos y conexiones al bus de datos CAN puede estropearse tanto el módulo para remolques como el regulador del sistema eléctrico de a bordo del vehículo si no se ha desconectado la batería! ¡Rogamos observar las instrucciones del fabricante al conectar y desconectar la batería del vehículo!

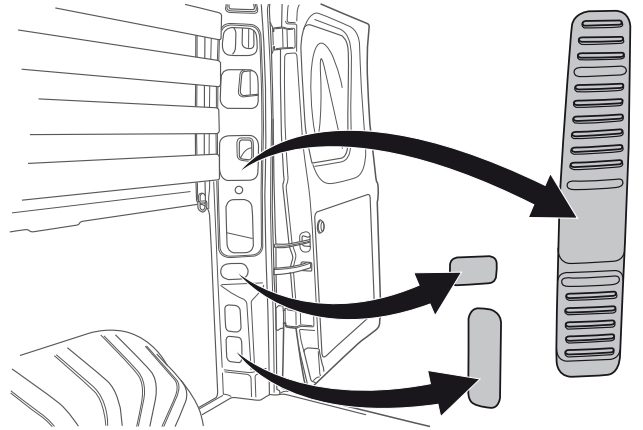
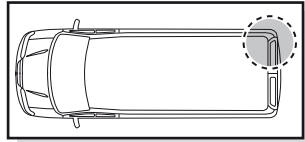
IT

Per evitare disturbi e danni alla rete di distribuzione elettrica, l'espansione polare a massa deve essere assolutamente scollegata dalla batteria del veicolo prima dell'inizio dei lavori! In particolare durante i lavori e gli allacciamenti al bus di dati CAN, se la batteria non è scollegata si possono danneggiare sia la centralina rimorchio, sia la centralina della rete di distribuzione elettrica del veicolo! Attenersi alle indicazioni del costruttore per scollegare e ricollegare la batteria del veicolo!

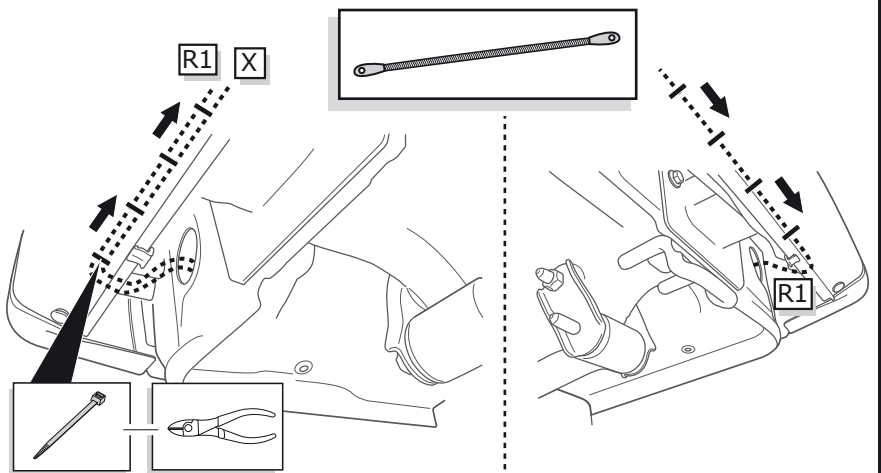
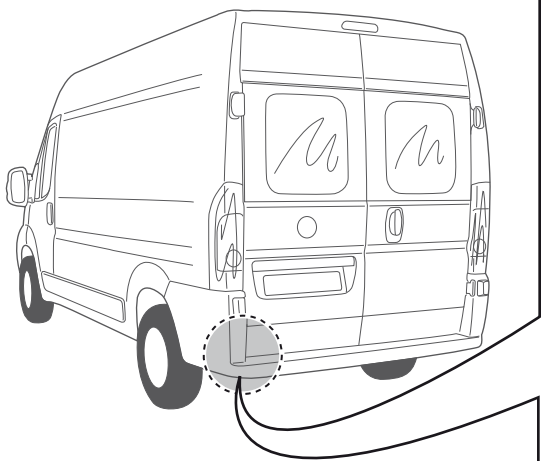
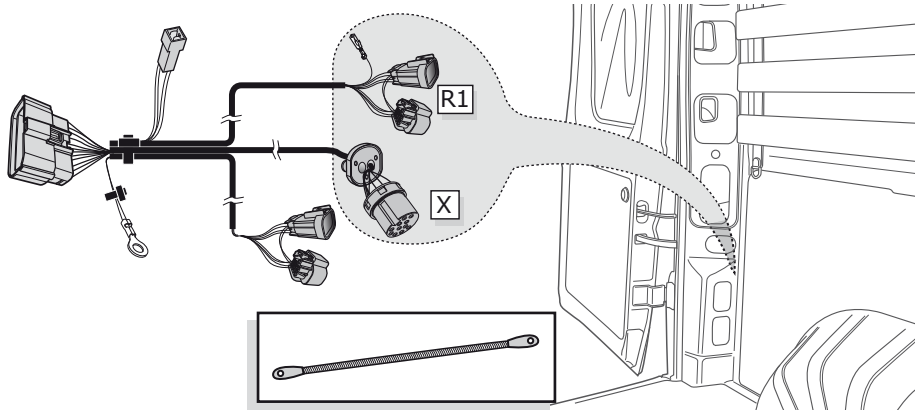
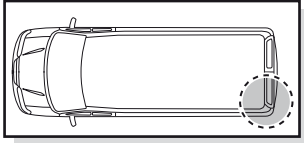
2

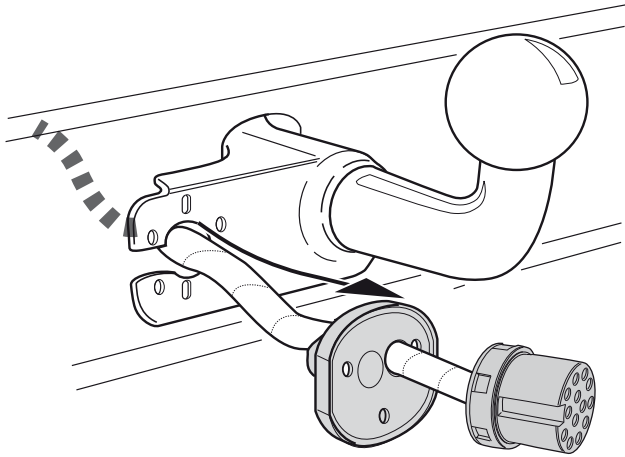


3

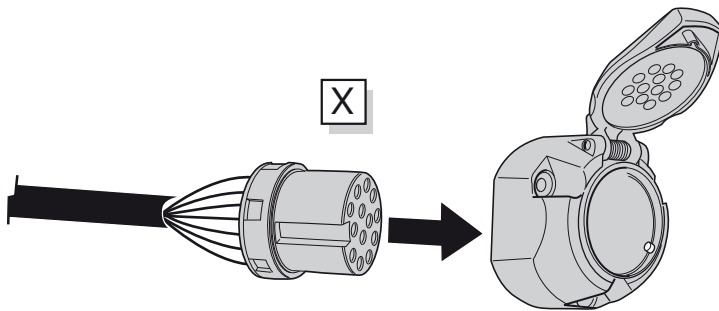


4

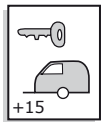
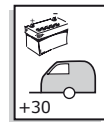


**A****X****INFO**

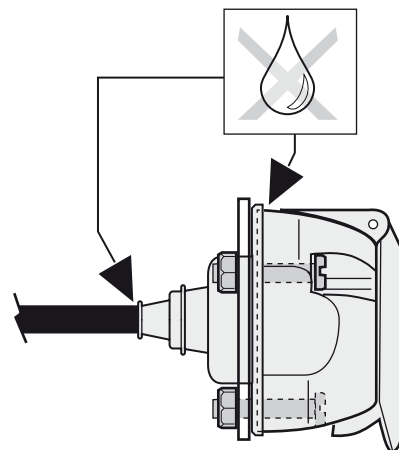
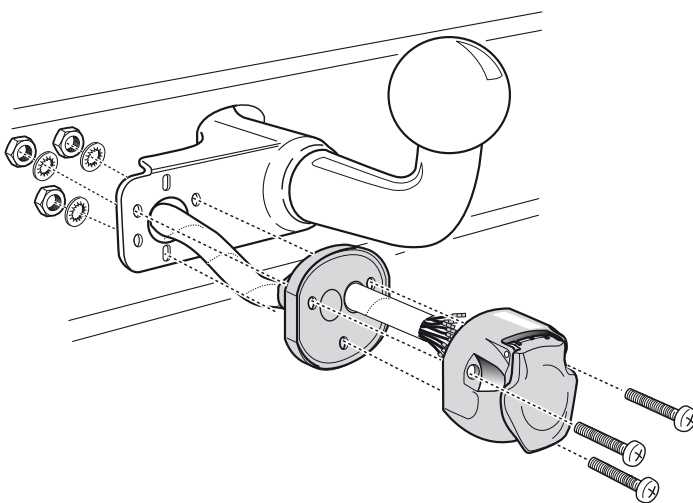
- (DE) Anschluss Steckdose
- (FR) Connection de la prise
- (NL) Contactdoos aansluiting
- (GB) Socket connection
- (ES) Conexión de la caja de enchufe
- (IT) Allaccio zoccolo

**Page 18****B****X**

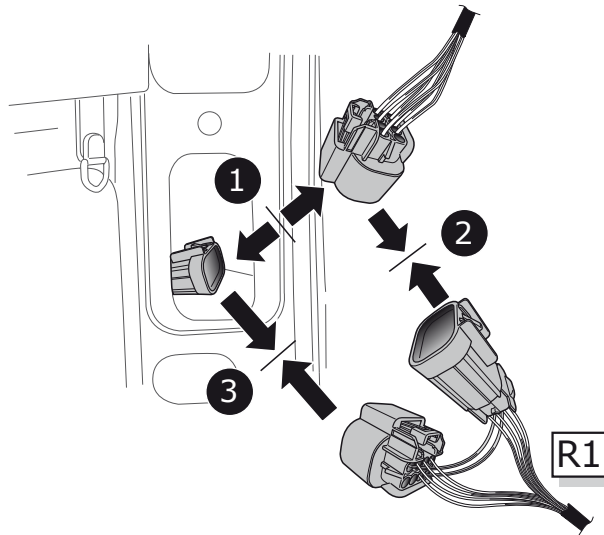
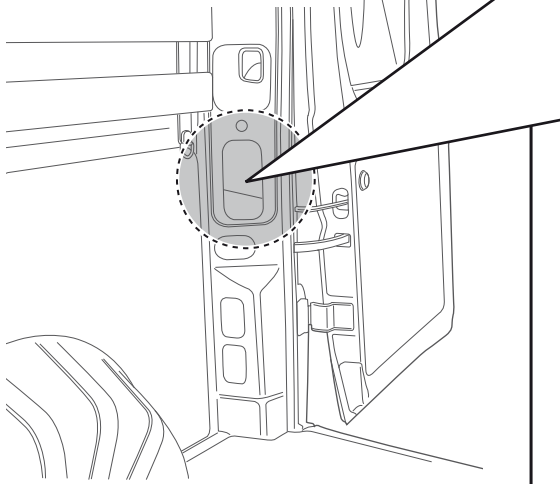
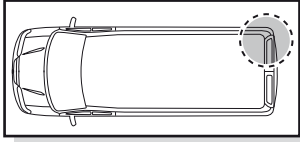
**OPTIONAL:**  
 Extension kit  
 Pin 9, 10, 11 & 13



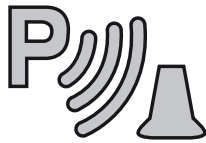
**ECS** part no.  
**FI050ZZ**

**C**

5

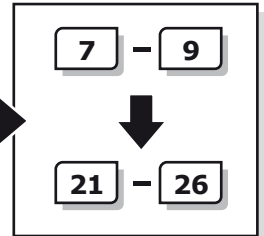


6



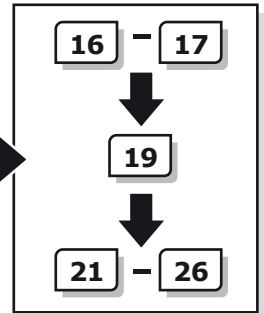
With factory fitted PDC system

01/2011 >> 06/2021



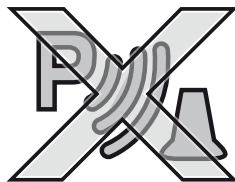
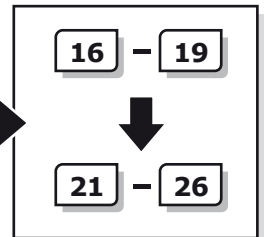
07/2021 >> Option 1

Only rear sensors

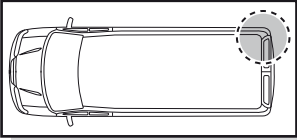


07/2021 >> Option 2

360° PDC

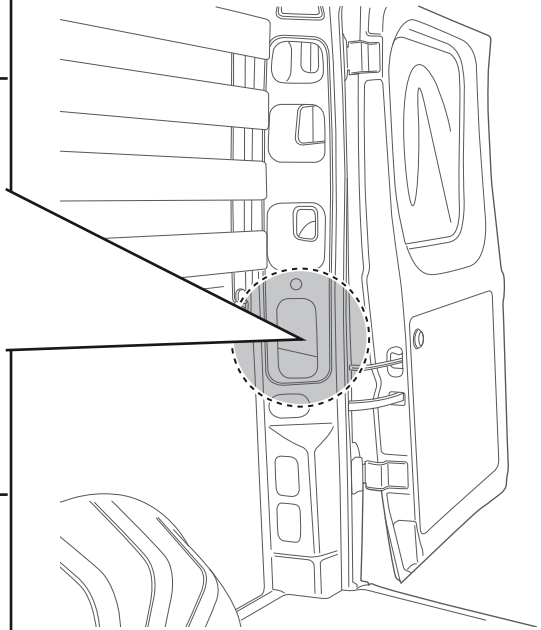
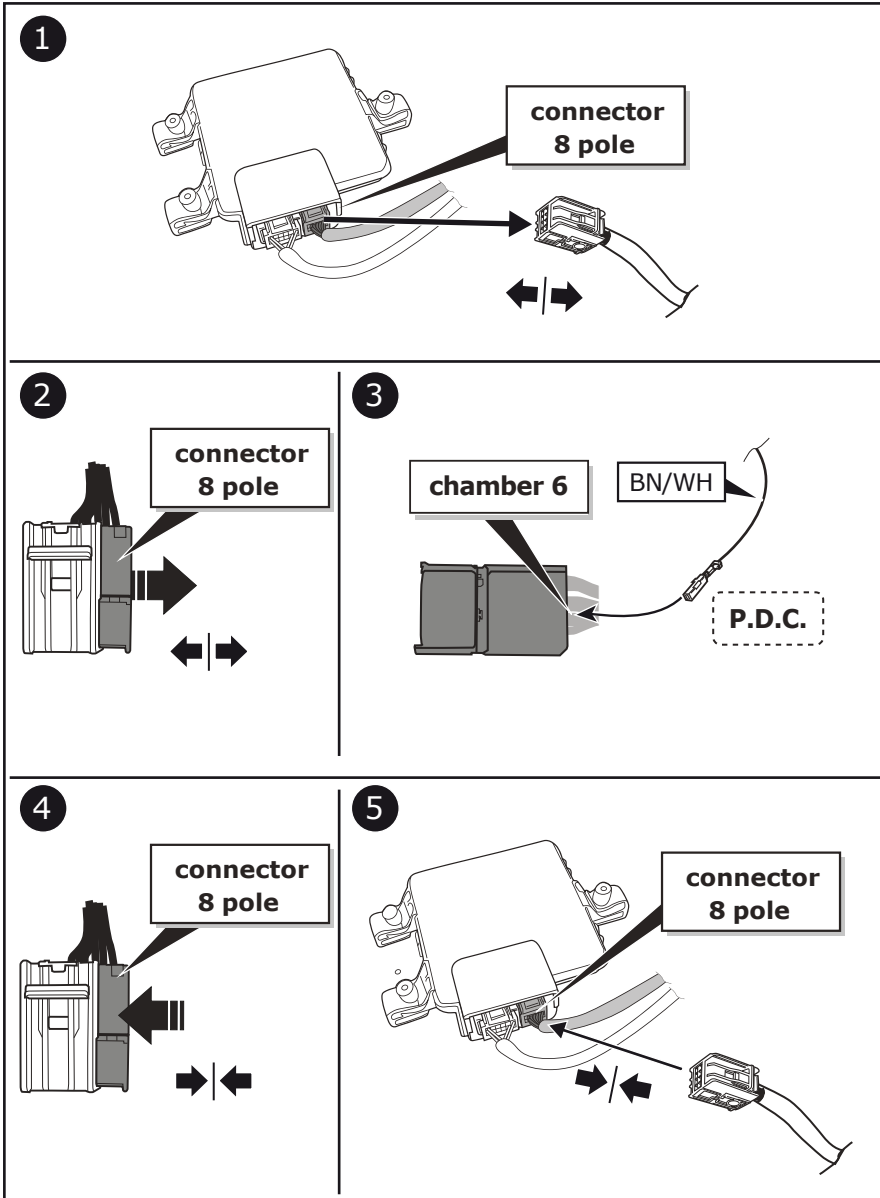


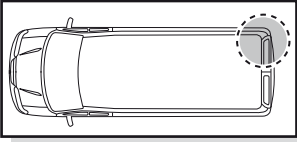
Vehicles without factory fitted PDC system



01/2011 >> 04/2014

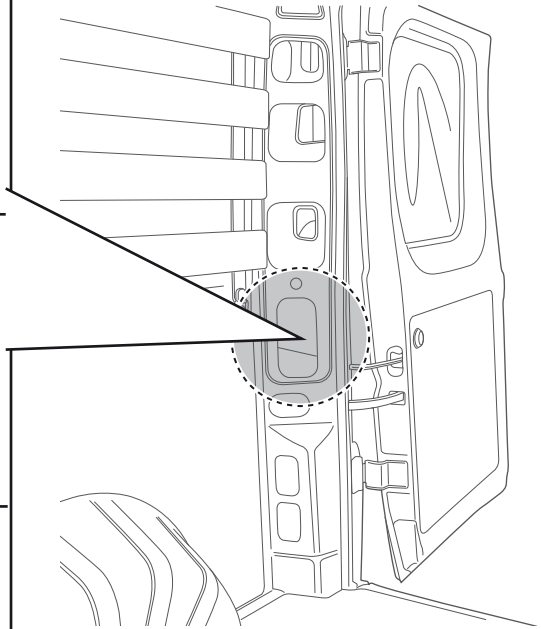
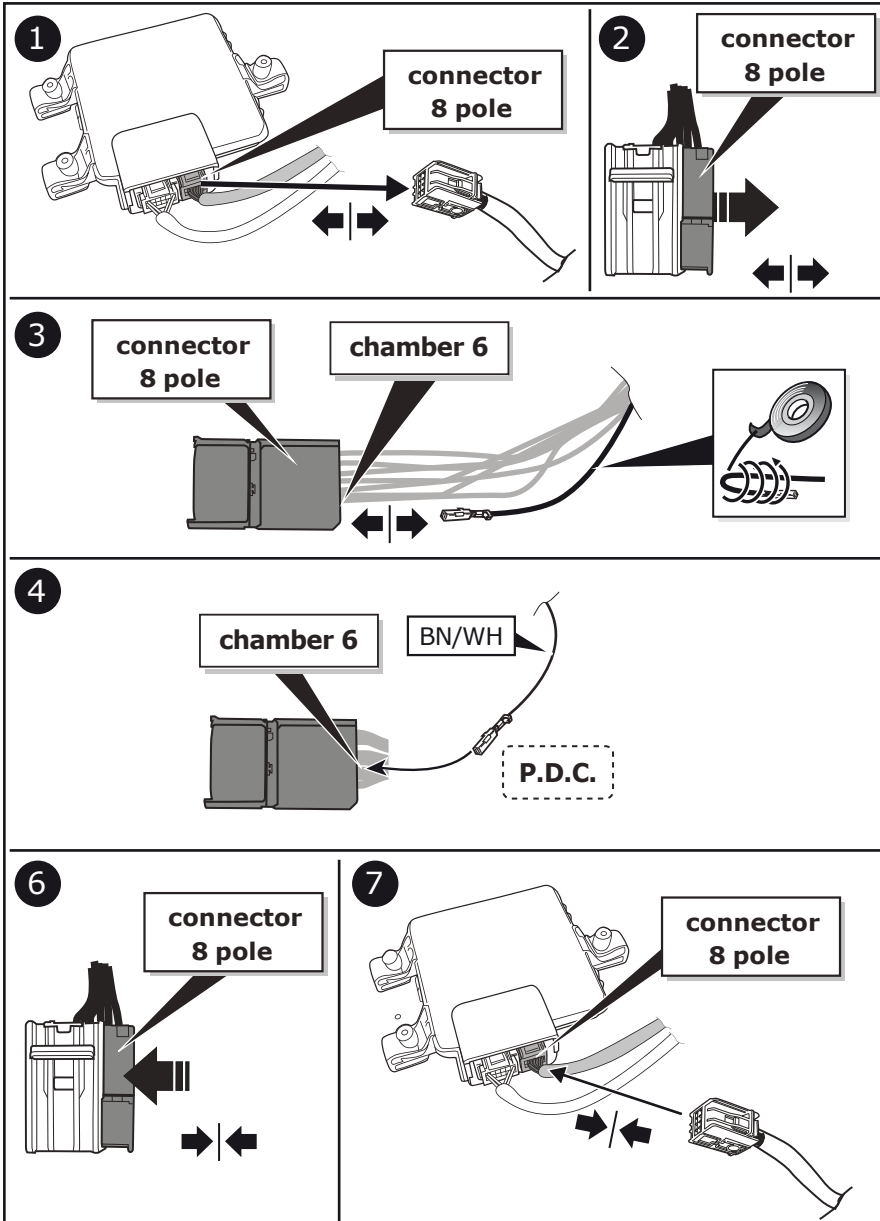
With factory fitted PDC system





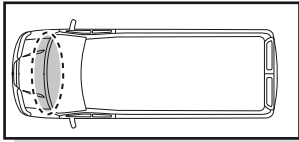
05/2014 >> 06/2021

With factory fitted PDC system





9



01/2011 >> 06/2021

With factory fitted PDC system



Vehicles from 07/2021 only! P.D.C.

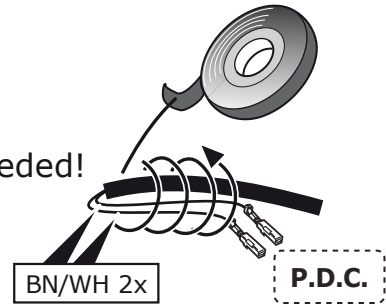
U2



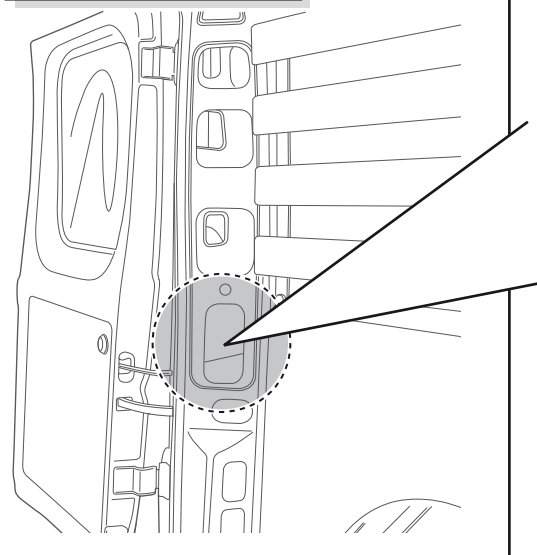
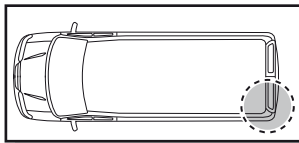
Not needed!

BN/WH 2x

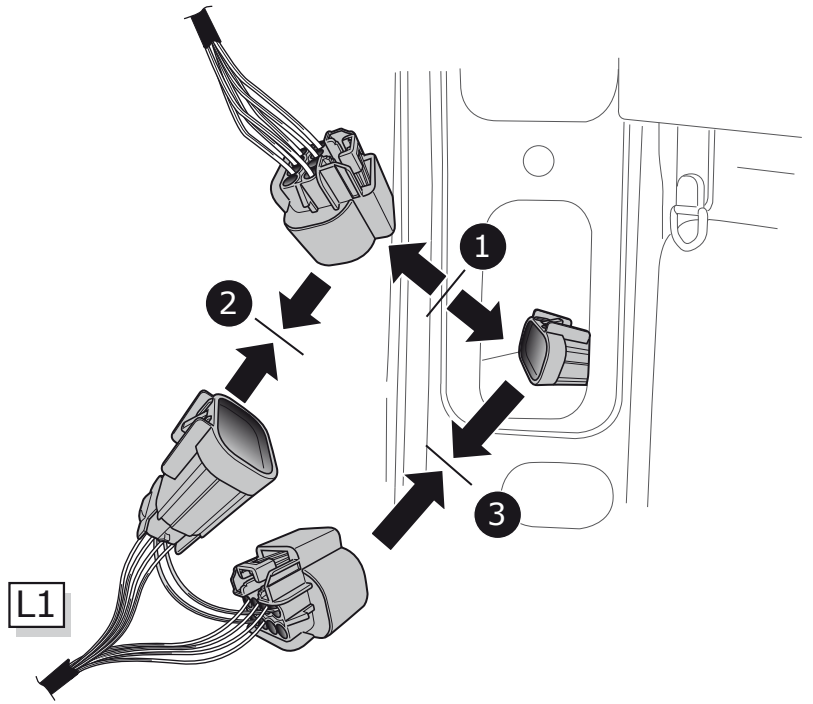
P.D.C.



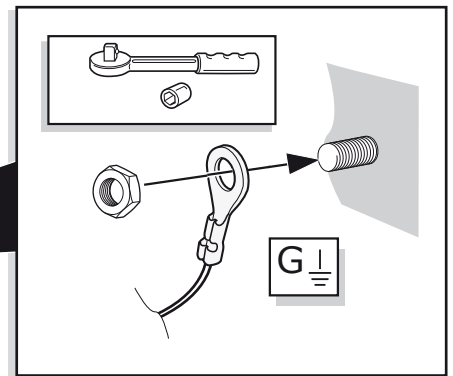
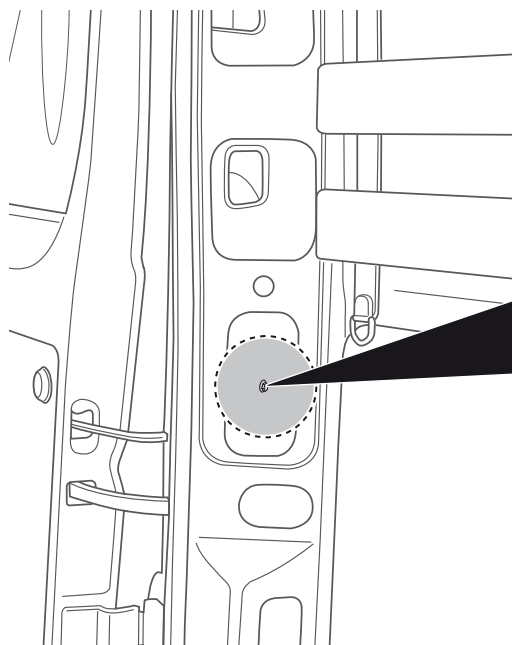
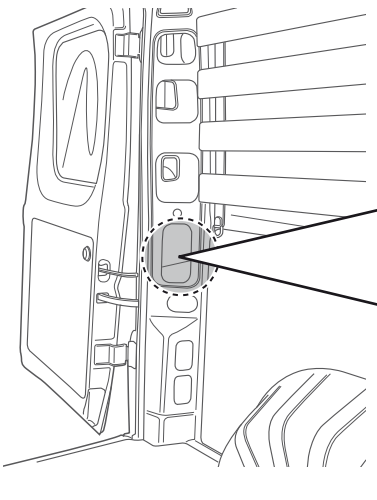
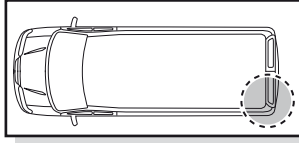
10



L1



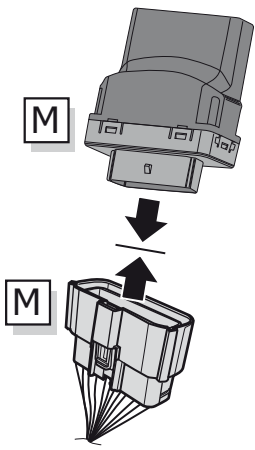
11



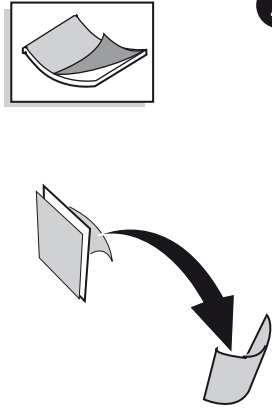
G1

12

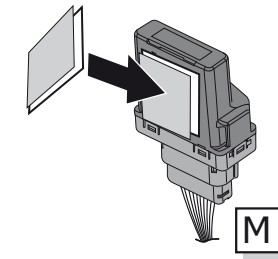
1



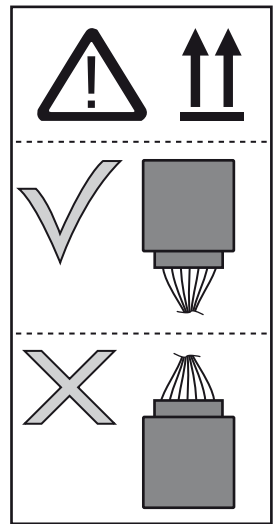
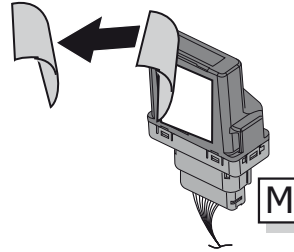
2



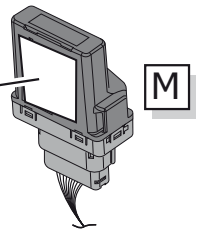
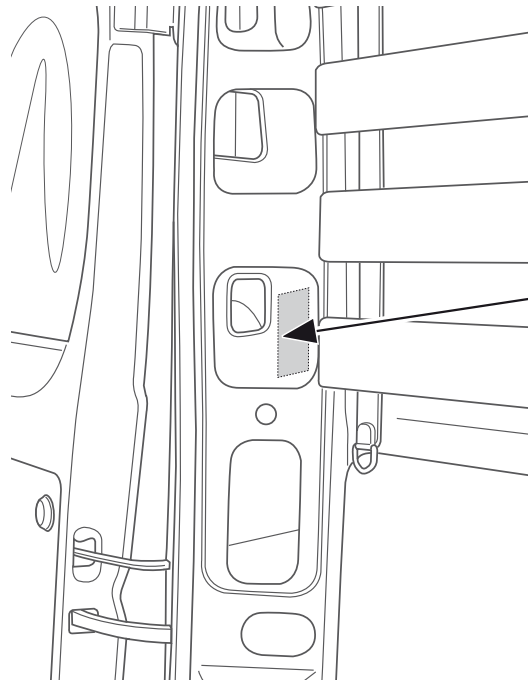
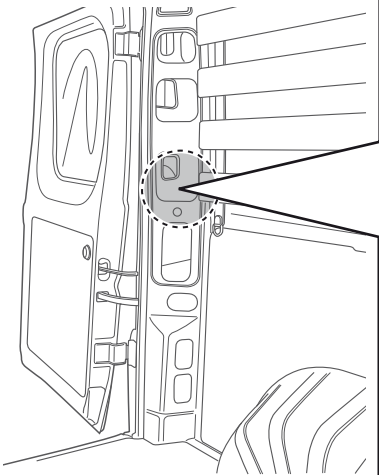
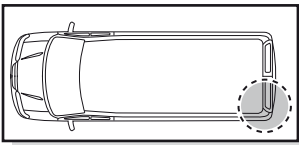
3



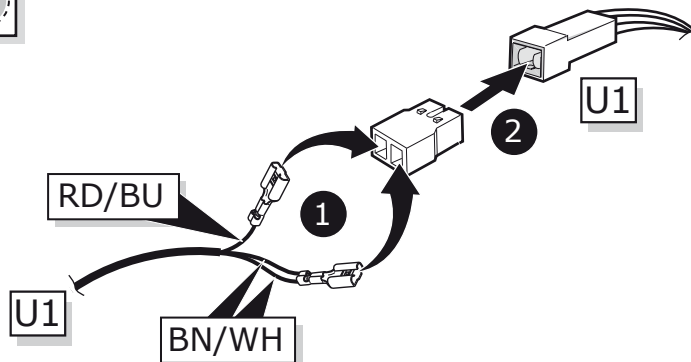
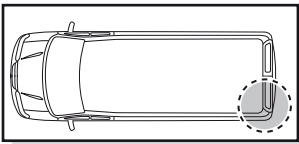
4



13



14



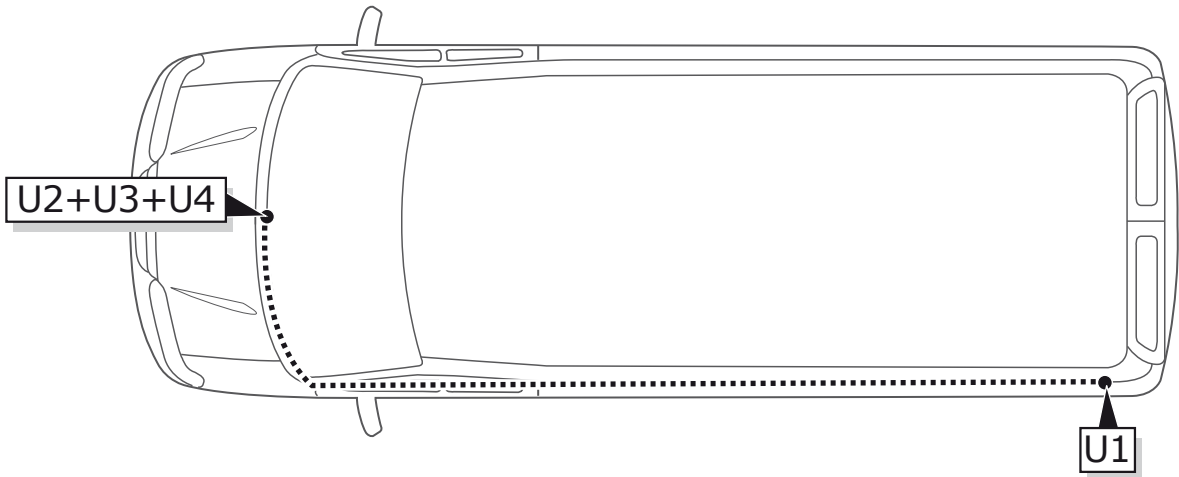
INFO



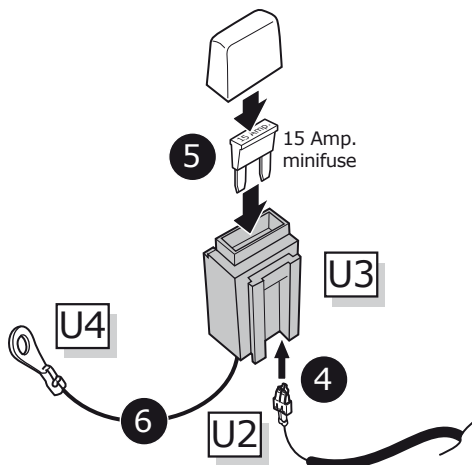
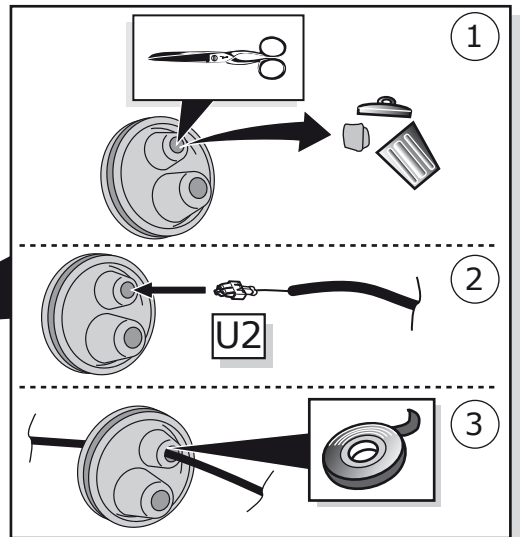
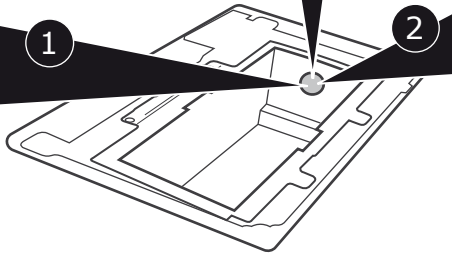
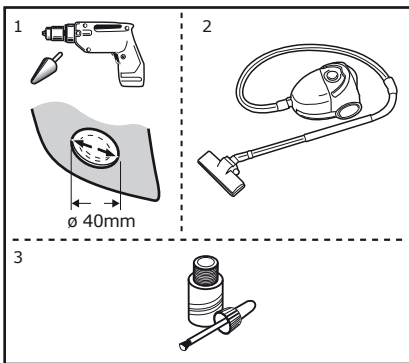
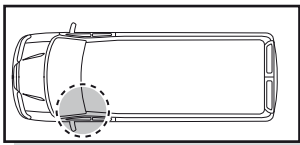
Page 3

- Ⓔ Farben
- Ⓔ Couleurs
- Ⓔ Kleuren
- Ⓔ Colours
- Ⓔ Colori

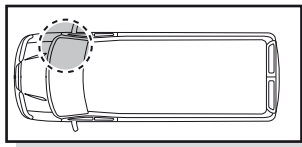
**ROUTING**



**15**



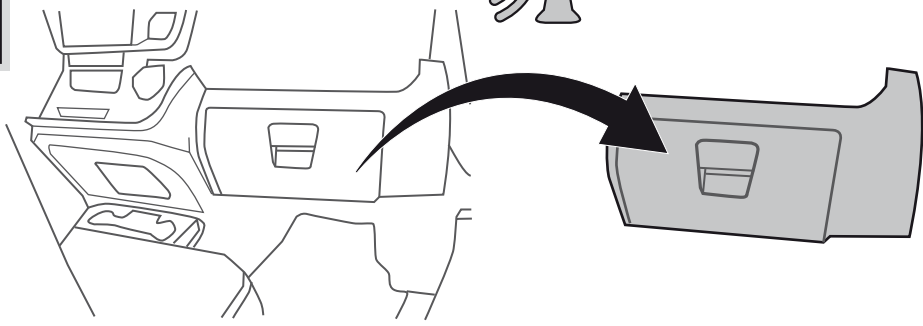
16



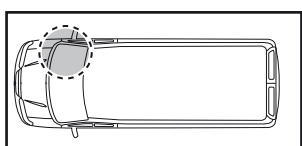
07/2021 >>  
With factory fitted PDC system 


Option 1

Option 2



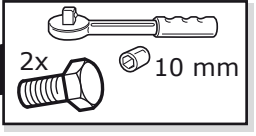
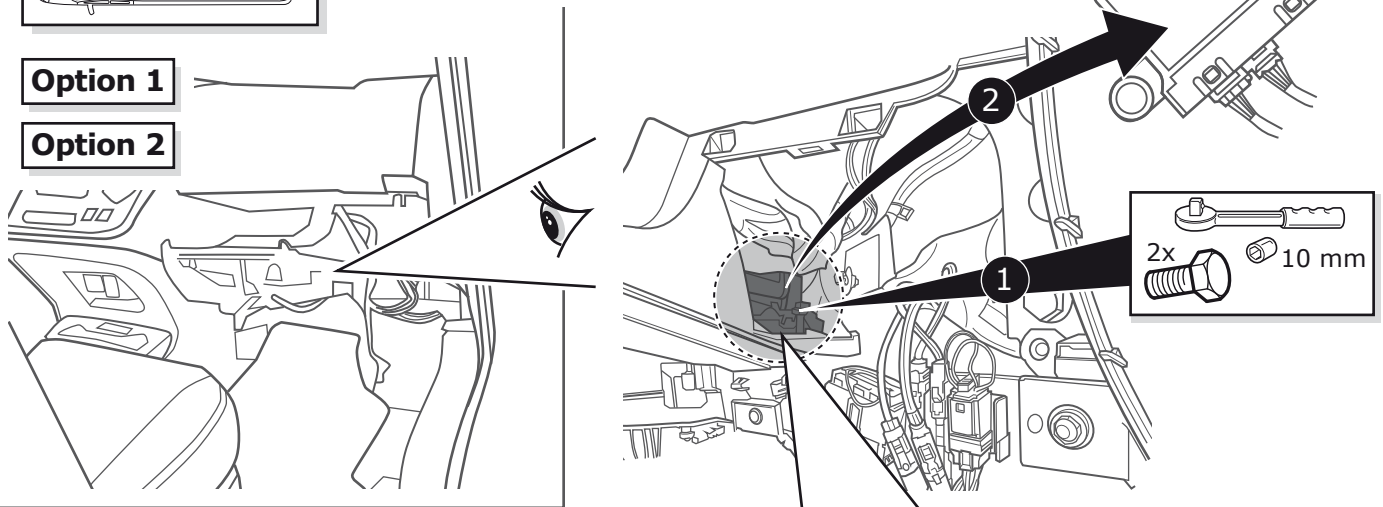
17



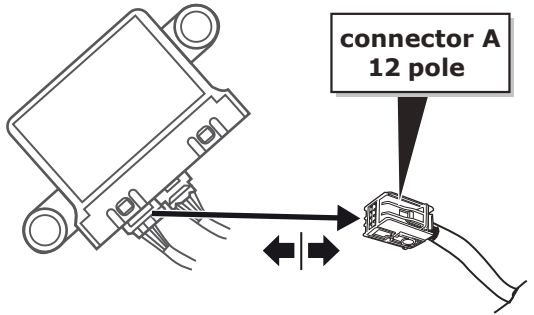
07/2021 >>  
With factory fitted PDC system 

Option 1

Option 2

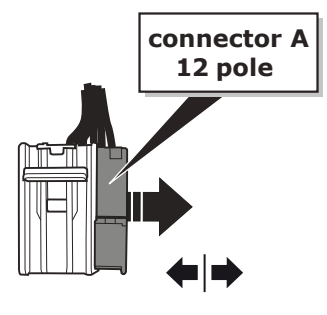


3



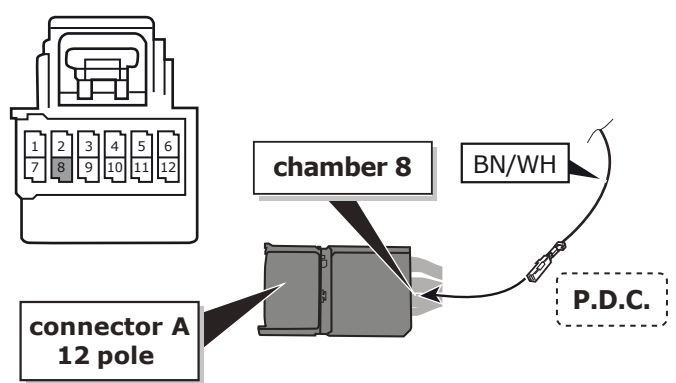
connector A  
12 pole

4



connector A  
12 pole

5



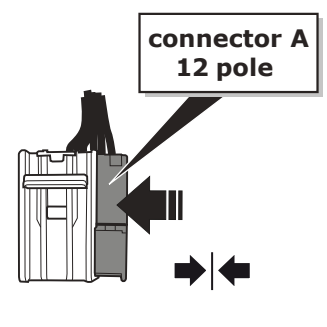
chamber 8

BN/WH

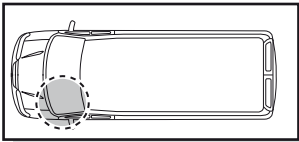
P.D.C.

connector A  
12 pole

6



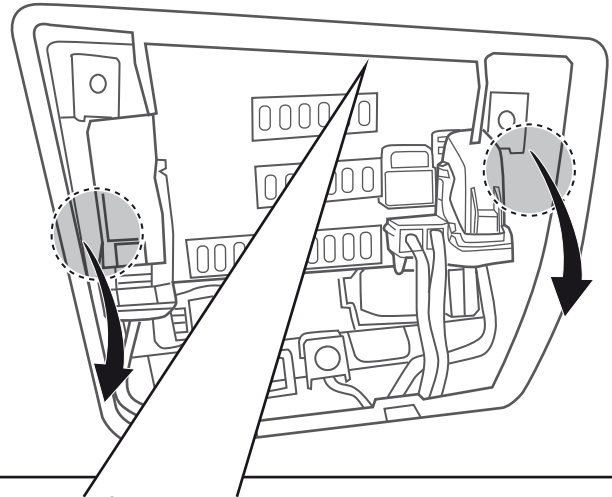
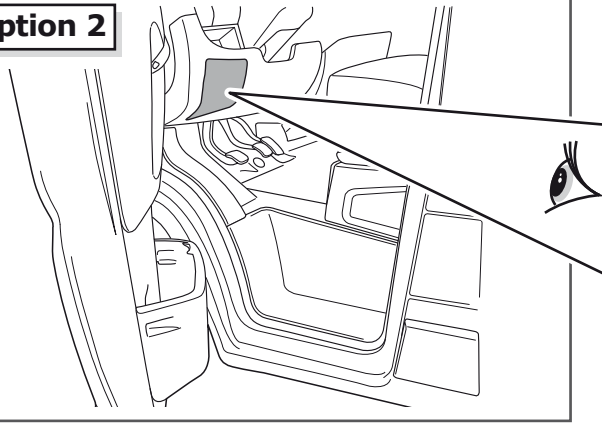
connector A  
12 pole



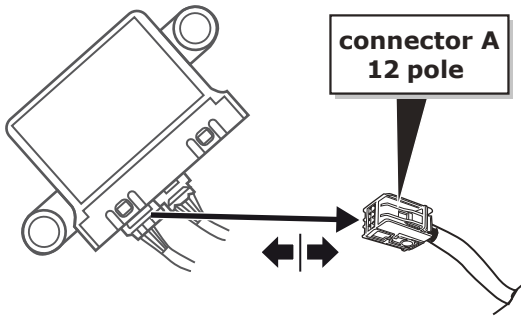
07/2021 >>  
Vehicles with factory fitted  
360° PDC system only!



**Option 2**

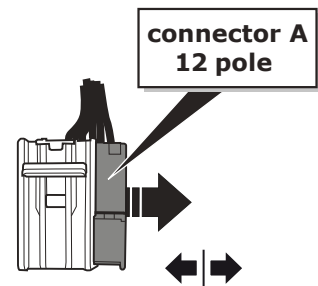


1



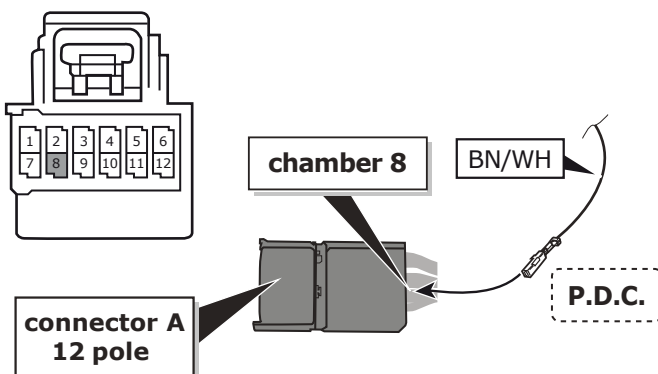
connector A  
12 pole

2



connector A  
12 pole

3



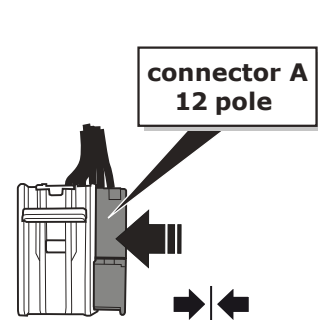
connector A  
12 pole

chamber 8

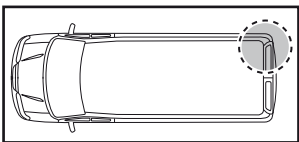
BN/WH

P.D.C.

4



connector A  
12 pole

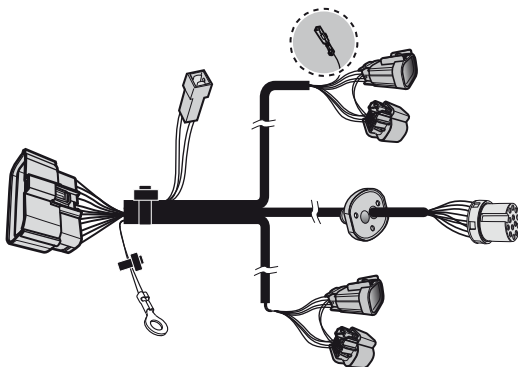


07/2021 >>  
With factory fitted PDC system

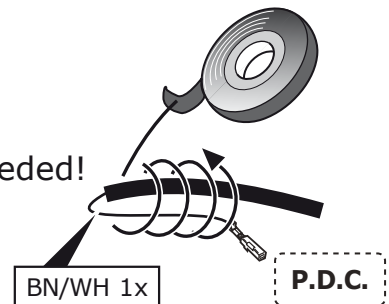


**Option 1**

**Option 2**



Not needed!

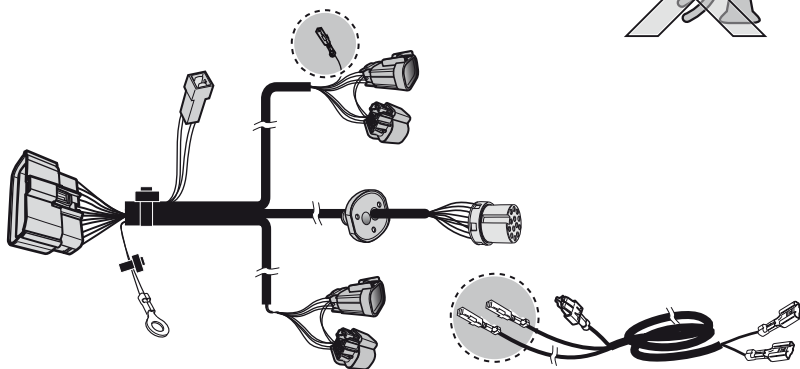


BN/WH 1x

P.D.C.

20

Vehicles without factory fitted PDC system



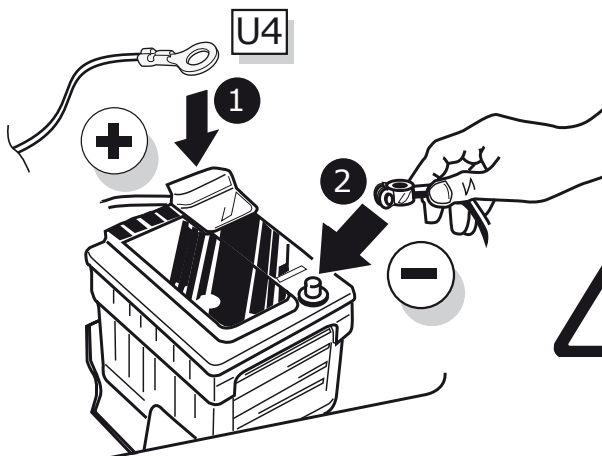
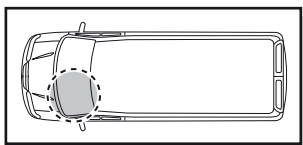
Not needed!

BN/WH 3x

P.D.C.

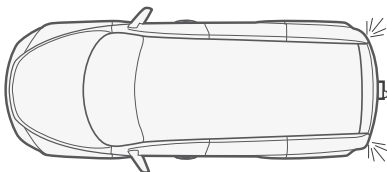
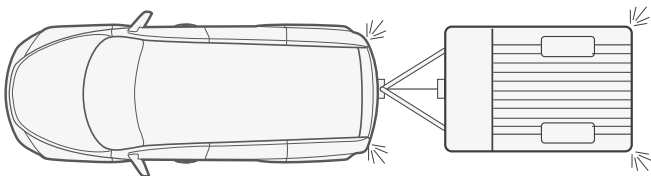
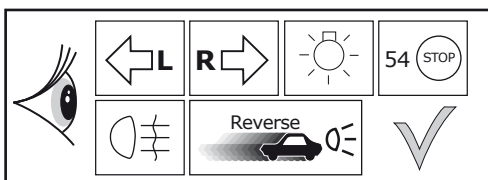


21

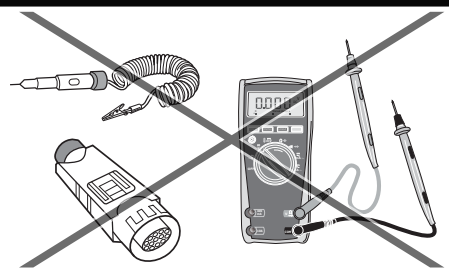


22

Functional test

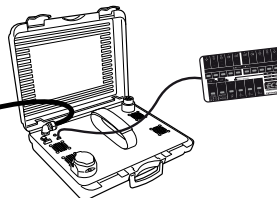


WARNING



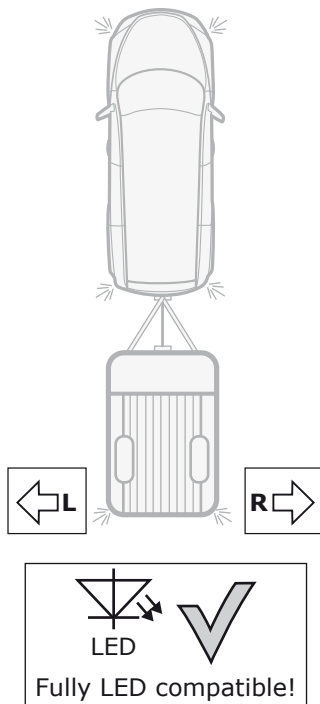
**LIGHTMATE**

**ECS** part no.  
**LIGHTMATE II**  
**LIGHTMATE III**

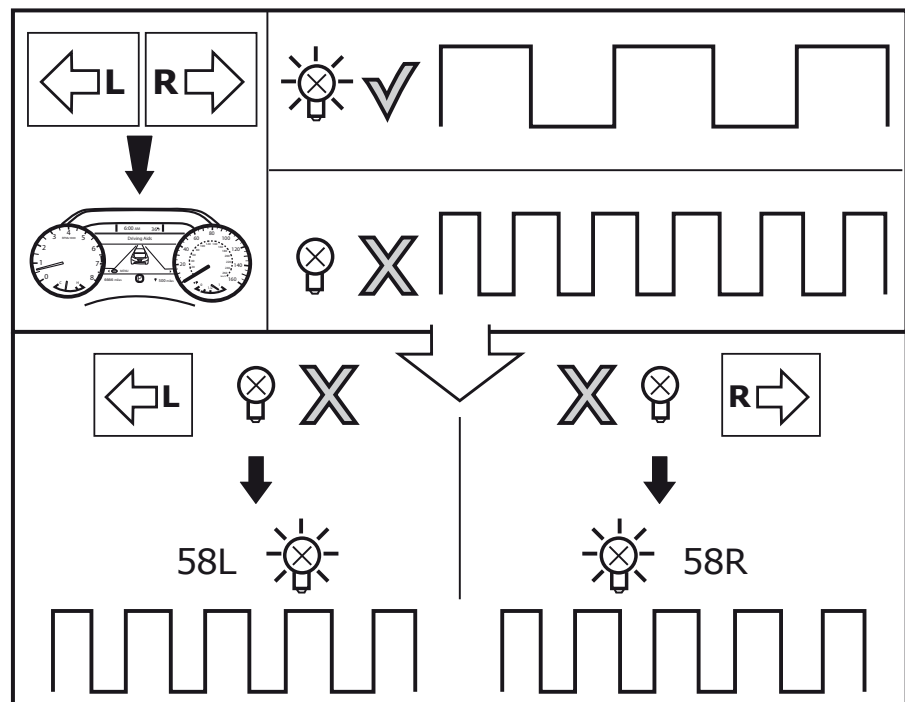




- ⒹE Ausfall Fahrtrichtungsanzeiger Anhänger – Anzeige & Blinker-Ersatzlichtschaltung
- ⒻR Erreur au niveau d'un clignoteur – remplacement d'afficher et clignotant
- ⒼL Falen van richtingaanwijzer – display- en richtingaanwijzerlicht vervanging
- ⒼB Trailer turn indicator failure – display & indicator light substitution
- ⒺS Indicador de fallo remolque – pantalla y indicador para sustitución luz
- ⒻT Guasto dell'indicatore del rimorchio - sostituzione display e spia luminosa

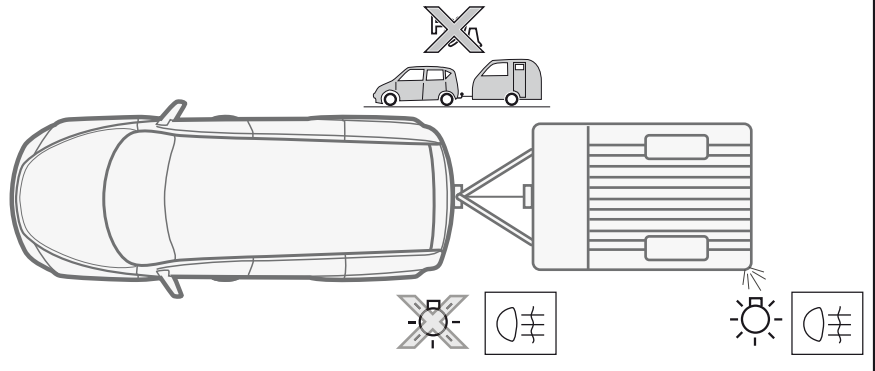
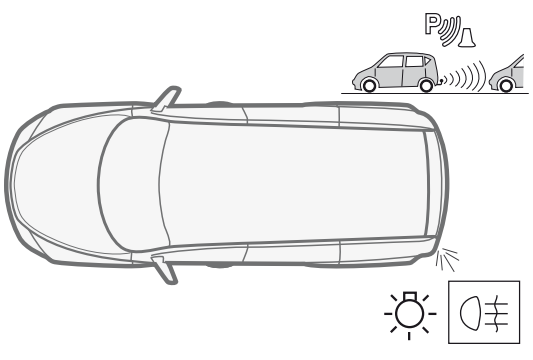


**C2** Turn Indicator  
Substitution



- ⒹE Bei Ausfall Fahrtrichtungsanzeiger Anhänger:  
Entsprechende Schlussleuchte übernimmt die Blinkerfunktion.
- ⒻR En cas de non fonctionnement d'un des clignoteurs:  
La veilleuse correspondante prend la fonction du clignoteur.
- ⒼL Bij het falen van een richtingaanwijzer:  
Bijbehorend achterlicht zal de richtingaanwijzerfunctie overnemen.
- ⒼB In case of trailer turn indicator failure:  
Corresponding tail light will take over the indicator light function.
- ⒺS En caso que el indicador de fallo remolque ilumine:  
Correspondiente luz trasero tomara control sobre el indicador de fallo.
- ⒻT In caso di guasto dell'indicatore del rimorchio:  
Il fanale posteriore corrispondente sostituirà la funzione della spia luminosa.

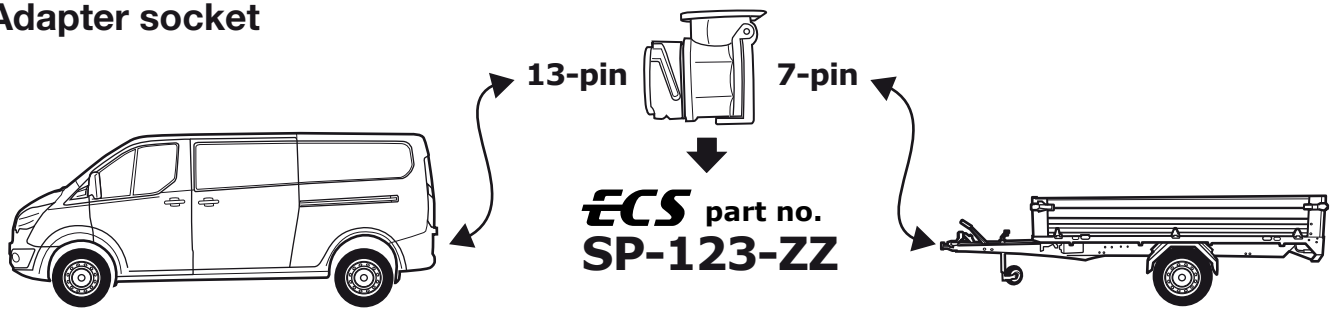
24



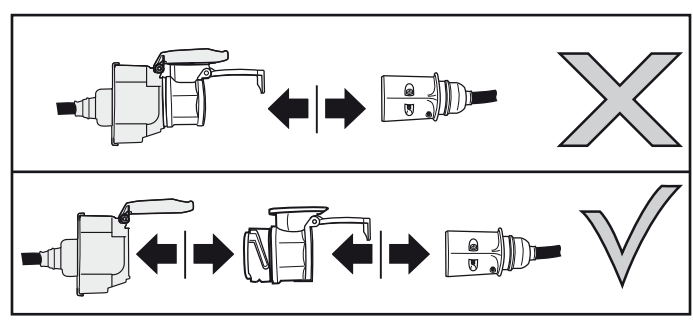
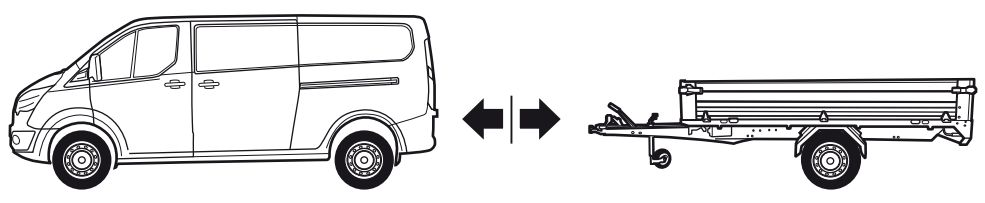
25

Optional

Adapter socket

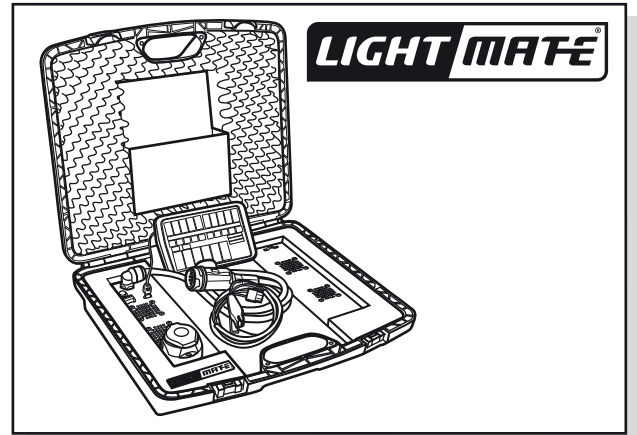
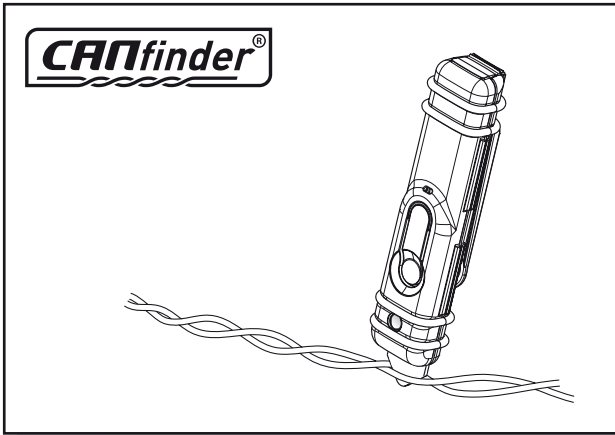


26





**Products & Service:** <https://www.ecs-electronics.nl/test-equipment>



**FITTERS  
TECHNICAL  
SUPPORT**

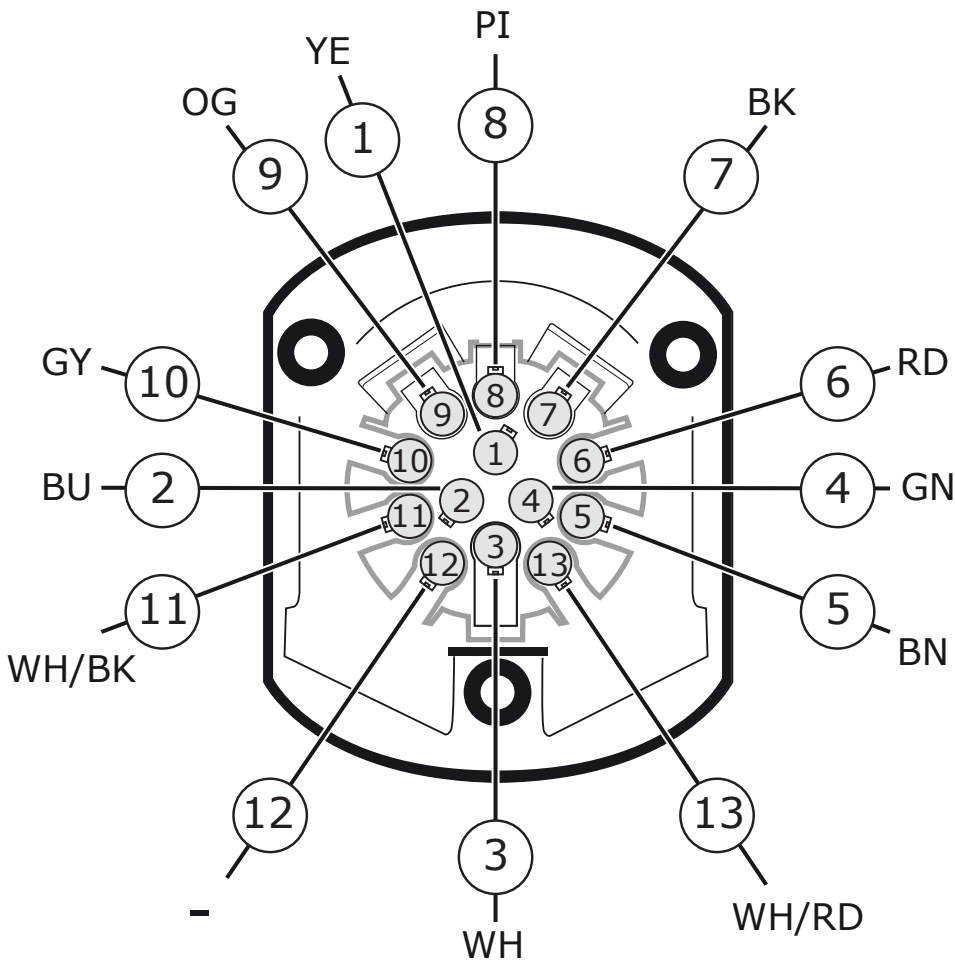
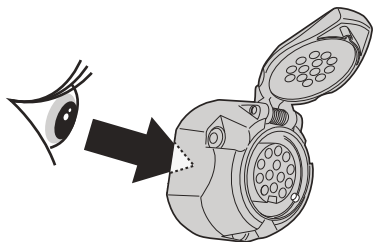


**MONDAY TO FRIDAY  
08.00 - 12.00  
13.00 - 17.00**

ts@ecs-electronics.nl  
www.ecs-electronics.nl  
tel: +31 (0)76 573 0020

**INFO**

- (DE) Anschluss Steckdose      (ES) Conexión de la caja de enchufe      (CZ) Objímkový konektor      (GR) Υποδοχή σύνδεσης
- (FR) Connection de la prise      (IT) Allaccio zoccolo      (DK) Stikdåse forbindelse      (NO) Tilkobling koblingsboks
- (NL) Contactdoos aansluiting      (SE) Anslutning kontaktdosa      (FI) Pistorasia liitäntä      (PL) Połączenie przez gniazdo
- (GB) Socket connection



- (DE) Anschluss Steckdose      (ES) Conexión de la caja de enchufe      (CZ) Objímkový konektor      (GR) Υποδοχή σύνδεσης
- (FR) Connection de la prise      (IT) Allaccio zoccolo      (DK) Stikdåse forbindelse      (NO) Tilkobling koblingsboks
- (NL) Contactdoos aansluiting      (SE) Anslutning kontaktdosa      (FI) Pistorasia liitäntä      (PL) Połączenie przez gniazdo
- (GB) Socket connection

**Optional:** **ECS** part no. **FI050ZZ**

|               |     |     |    |     |     |       |     |     |             |             |       |   |       |
|---------------|-----|-----|----|-----|-----|-------|-----|-----|-------------|-------------|-------|---|-------|
| DIN/ISO 11446 |     |     |    |     |     |       |     |     |             |             |       |   |       |
| Pmax          | 21W | 21W |    | 21W | 52W | 3x21W | 52W | 21W | 180W/15Amp. | 180W/15Amp. |       |   |       |
|               | YE  | BU  | WH | GN  | BN  | RD    | BK  | PI  | OG          | GY          | WH/BK | - | WH/RD |

**COLORTABLE**

|      | BK      | BN      | BU        | GY     | GN      | WH        | YE        | OG           | PE        | PI              | RD       |
|------|---------|---------|-----------|--------|---------|-----------|-----------|--------------|-----------|-----------------|----------|
| (DE) | Schwarz | Braun   | Blau      | Grau   | Grün    | Weiß      | Gelb      | Orange       | Violett   | Rosa            | Rot      |
| (FR) | Noir    | Marron  | Blue      | Gris   | Vert    | Blanc     | Jaune     | Orange       | Violet    | Rose            | Rouge    |
| (NL) | Zwart   | Bruin   | Blauw     | Grijs  | Groen   | Wit       | Geel      | Oranje       | Paars     | Roze            | Rood     |
| (GB) | Black   | Brown   | Blue      | Grey   | Green   | White     | Yellow    | Orange       | Purple    | Pink            | Red      |
| (ES) | Negro   | Marrón  | Azul      | Gris   | Verde   | Blanco    | Amarillo  | Naranja      | Morado    | Rosa            | Rojo     |
| (IT) | Nero    | Marrone | Blu       | Grigio | Verde   | Bianco    | Giallo    | Arancione    | Viola     | Rosa            | Rosso    |
| (SE) | Svart   | Brun    | Blå       | Grå    | Grön    | Vit       | Gul       | Orange       | Lila      | Rosa            | Röd      |
| (CZ) | Černá   | Hnědá   | Modrá     | Šedá   | Zelená  | Bílá      | Žlutá     | Oranžová     | Fialová   | Růžová          | Červená  |
| (DK) | Sort    | Brun    | Blå       | Grå    | Grøn    | Hvid      | Gul       | Orange       | Lilla     | Pink            | Rød      |
| (FI) | Musta   | Ruskea  | Sininen   | Harmaa | Vihreä  | Valkoinen | Keltainen | Oranssi      | Purppura  | Vaaleanpunainen | Punainen |
| (GR) | Μαύρο   | Καφέ    | Μπλε      | Γκρι   | Πράσινο | Λευκό     | Κίτρινο   | Πορτοκαλί    | Μοβ       | Ροζ             | Κόκκινο  |
| (NO) | Svart   | Brun    | Blå       | Grå    | Grønn   | Hvit      | Gul       | Oransje      | Lilla     | Rosa            | Rød      |
| (PL) | Czarny  | Brazowy | Niebieski | Szary  | Zielony | Biały     | Żółty     | Pomarańczowy | Purpurowy | Różowy          | Czerwony |