

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

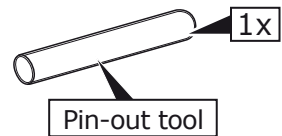
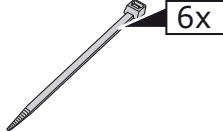
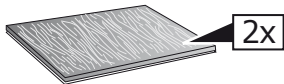
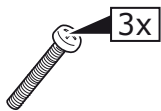
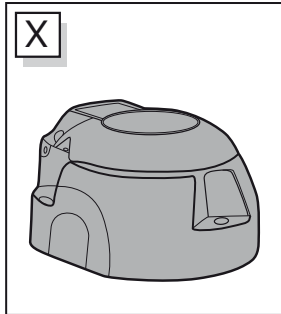
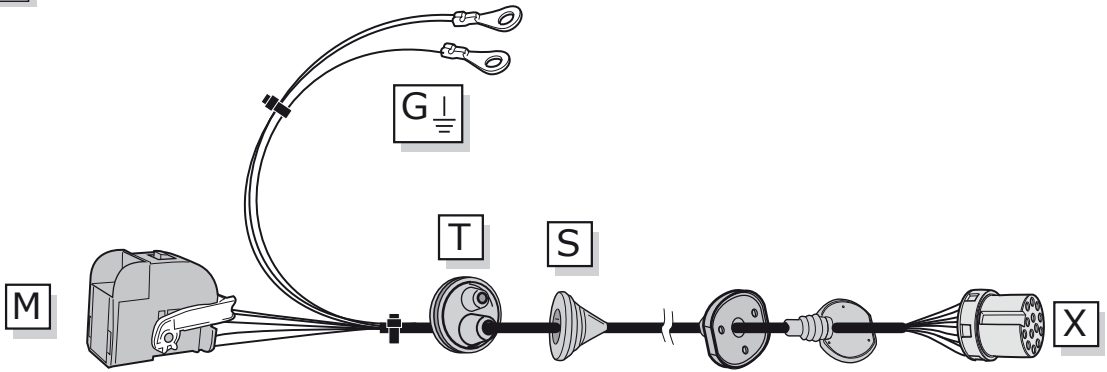
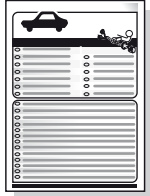
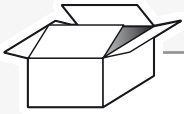
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FI

GR

NO

PL

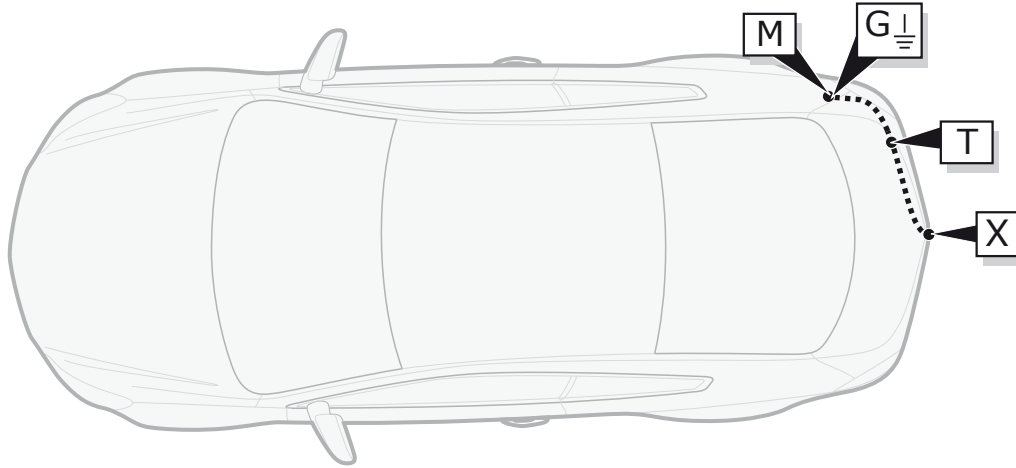


Pin-out tool

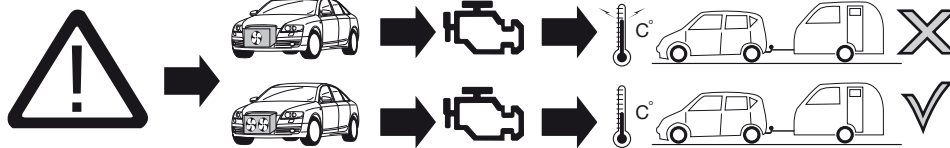
INFO

	BK	BN	BU	GY	GN	WH	YE	OG	PE	PI	RD	BG
DE	Schwarz	Braun	Blau	Grau	Grün	Weiß	Gelb	Orange	Violett	Rosa	Rot	Beige
FR	Noir	Marron	Bleu	Gris	Vert	Blanc	Jaune	Orange	Violet	PI	Rouge	Beige
NL	Zwart	Bruin	Blauw	Grijs	Groen	Wit	Geel	Oranje	Paars	Roze	Rood	Beige
GB	Black	Brown	Blue	Grey	Green	White	Yellow	Orange	Purple	Pink	Red	Beige
ES	Negro	Marrón	Azul	Gris	Verde	Blanco	Amarillo	Naranja	Morado	Rosa	Rojo	Beige
IT	Nero	Marrone	Blui	Grigio	Verde	Bianco	Giallo	Arancione	Viola	Rosa	Rosso	Beige

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!

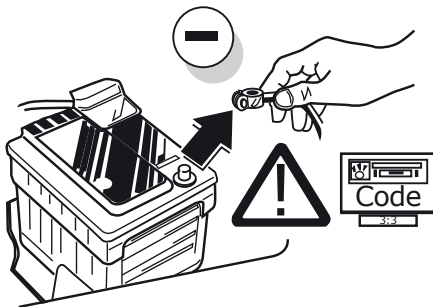
ES

¡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 fahrzeugseitige Bordnetzsteuergerät beschädigt werden! Bitte Herstellervorschriften beim Ab- und Anklemmen 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 regeleenheid 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

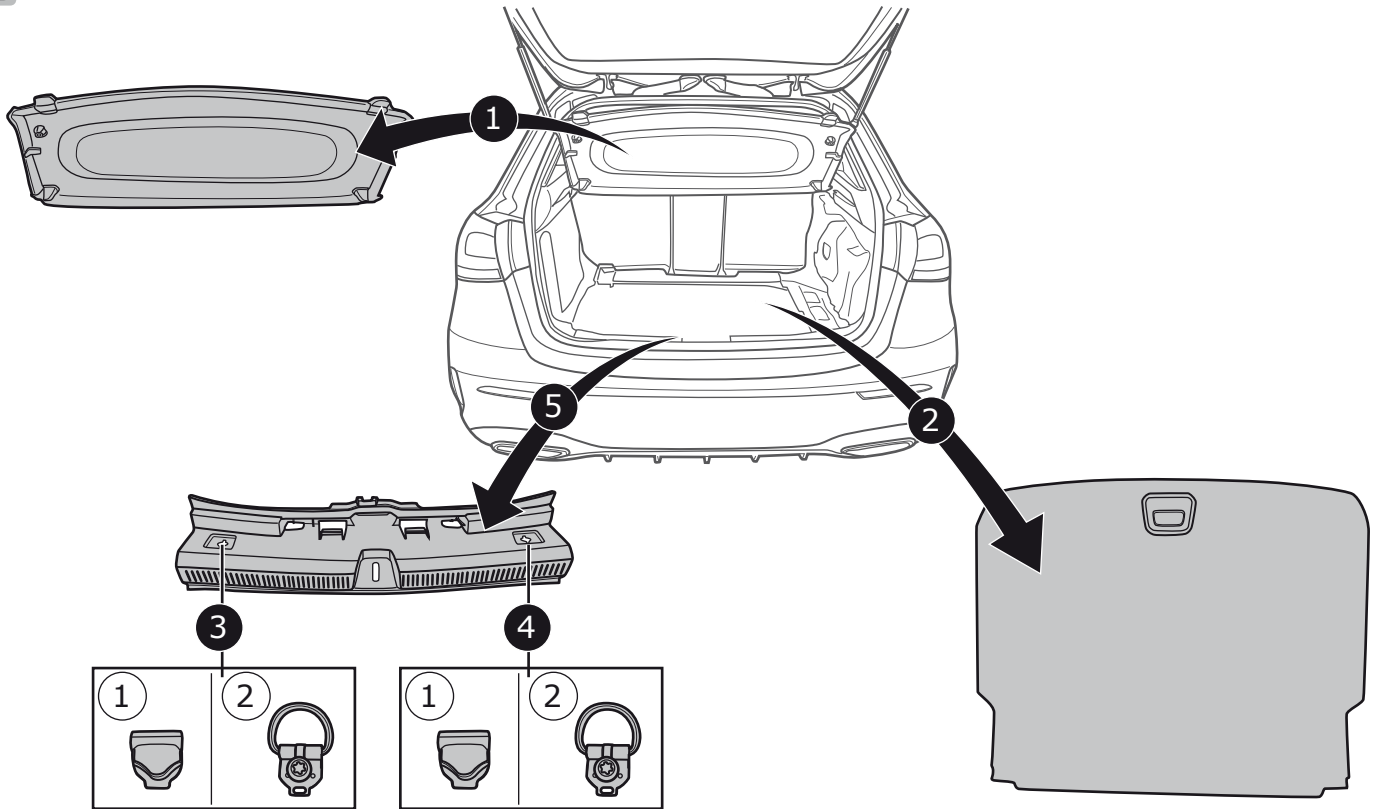
¡Para evitar fallos y defectos en el sistema eléctrico de a bordo es imprescindible separar al terminal de puesta a tierra de la batería del vehículo antes de realizar cualquier trabajo! ¡Particularmente al realizar trabajos y conexiones al bus de datos CAN puede estropearse tanto el módulo para remolques 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

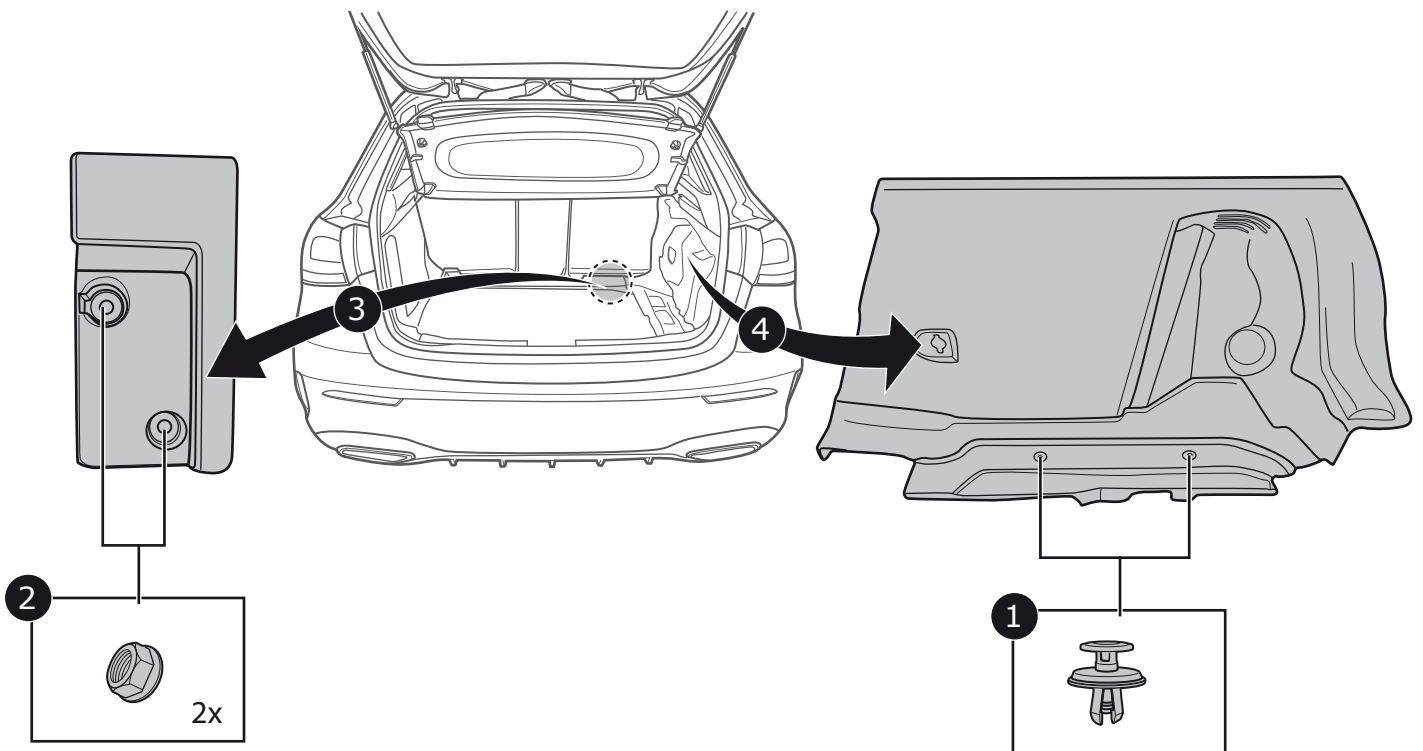
Per evitare disturbi e danni alla rete di distribuzione elettrica, l'espansione polare a massa deve essere assolutamente scollegata dalla batteria del veicolo prima dell'inizio dei lavori! In particolare durante i lavori e gli allacciamenti al bus di dati CAN, se la batteria non è scollegata si possono 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!

A-Class & CLA Shooting Brake

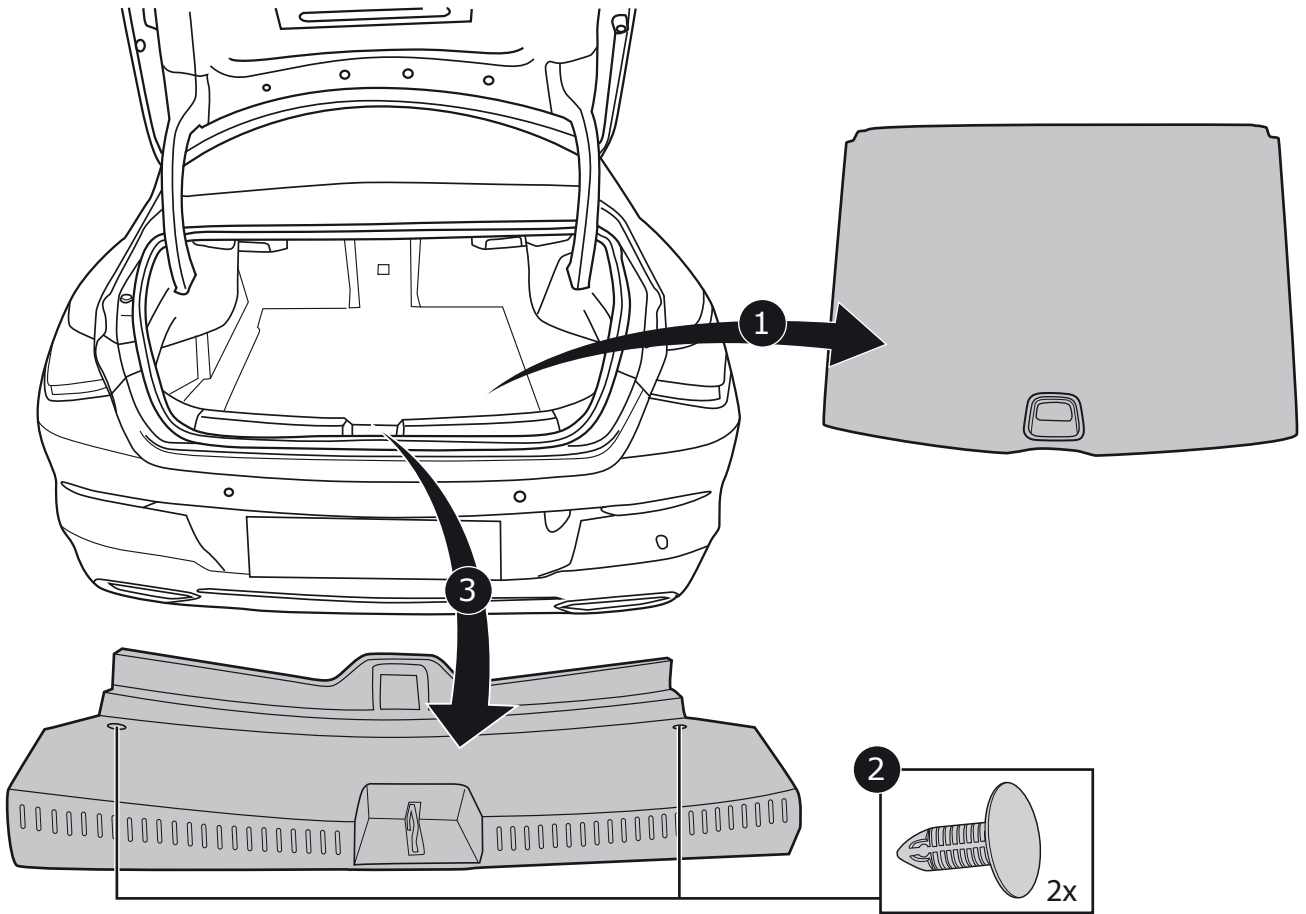
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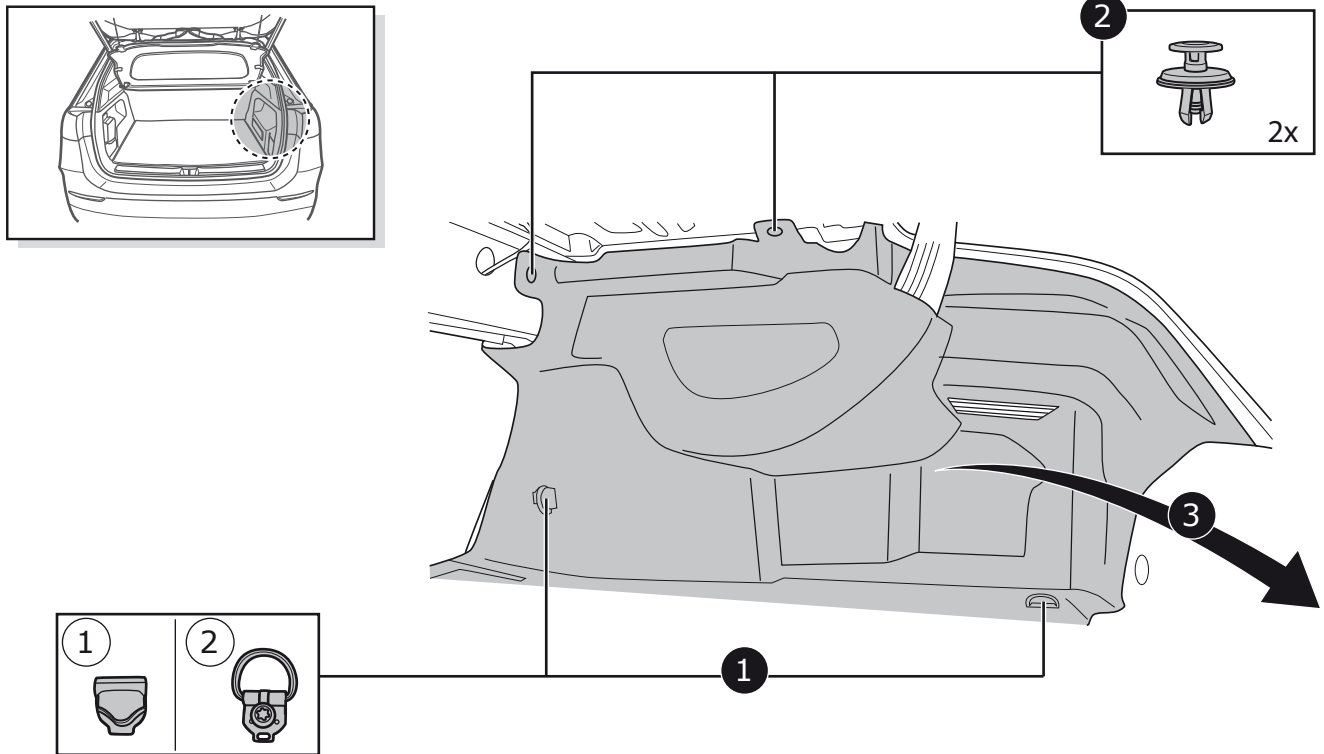
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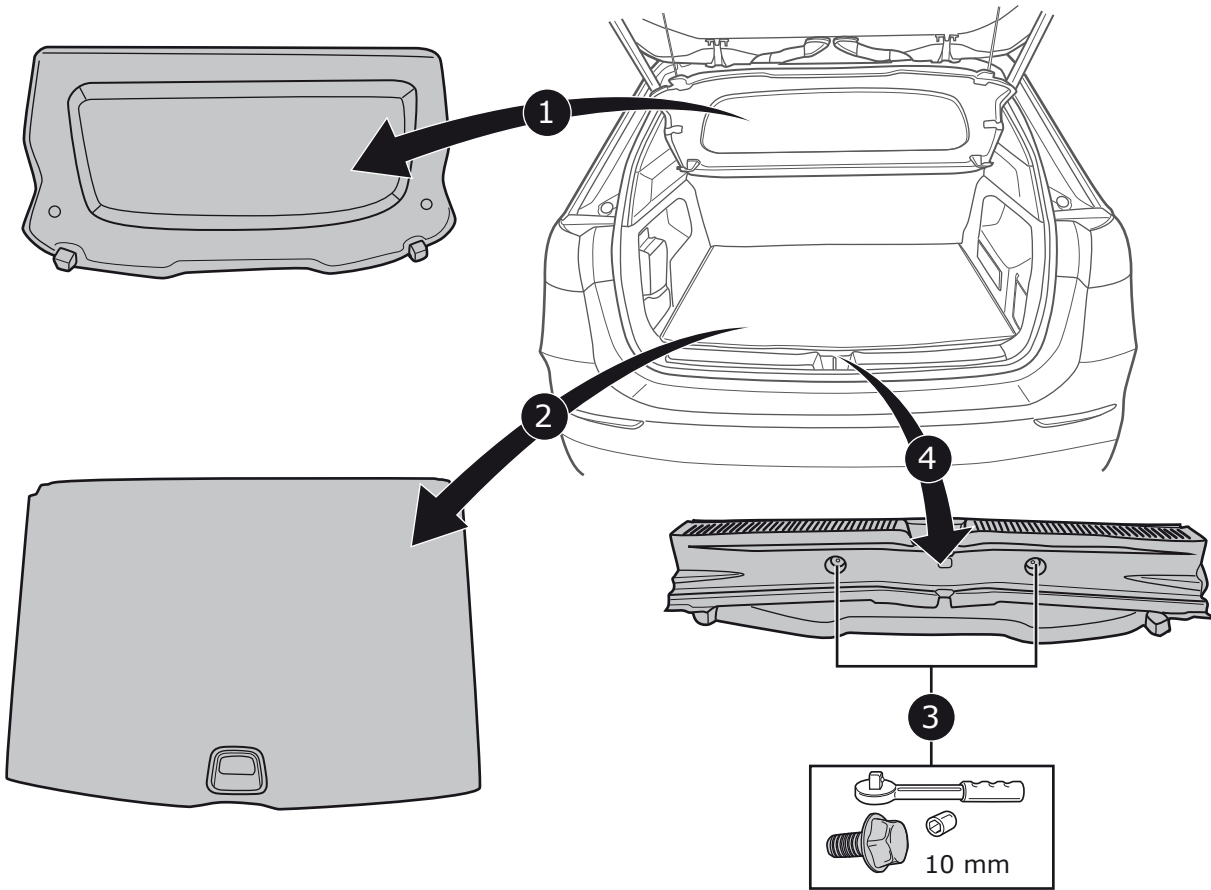
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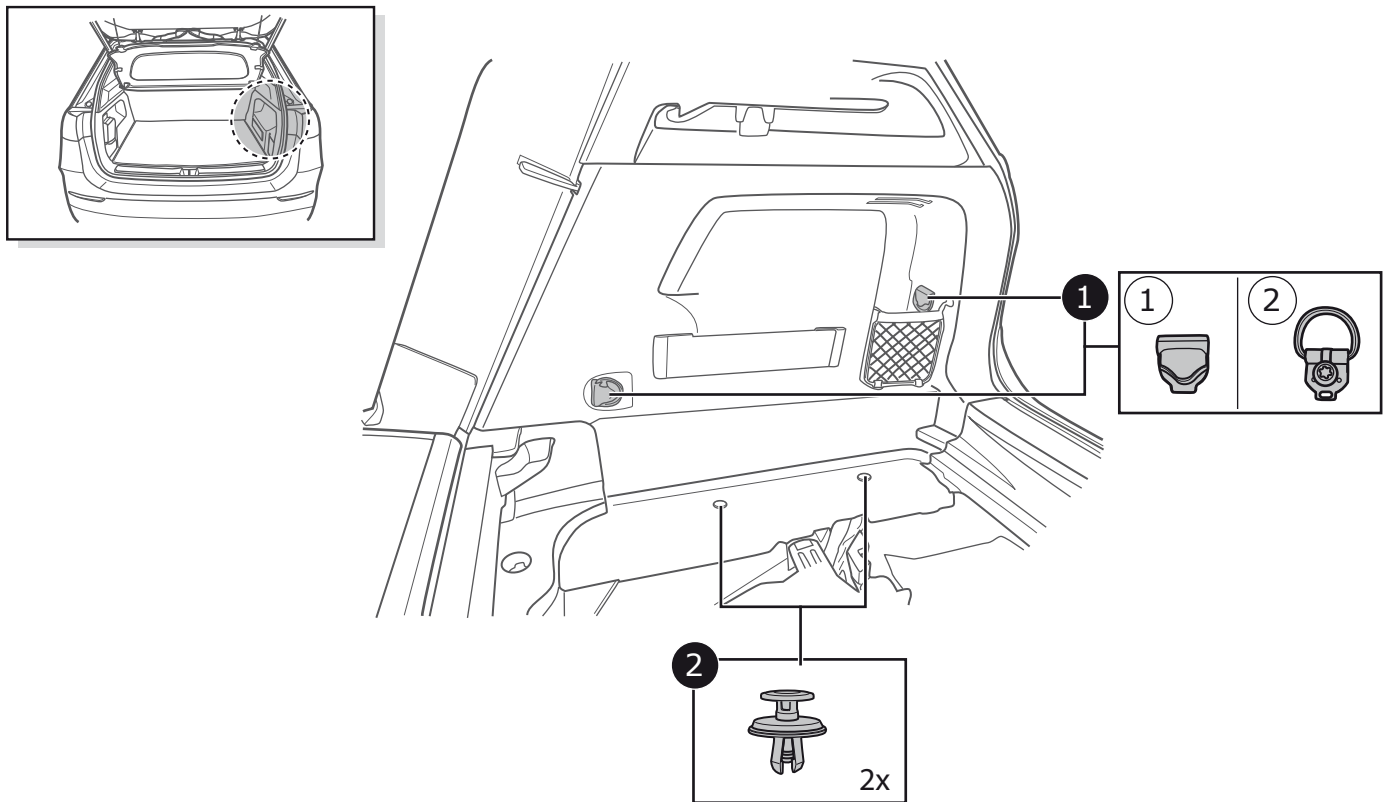
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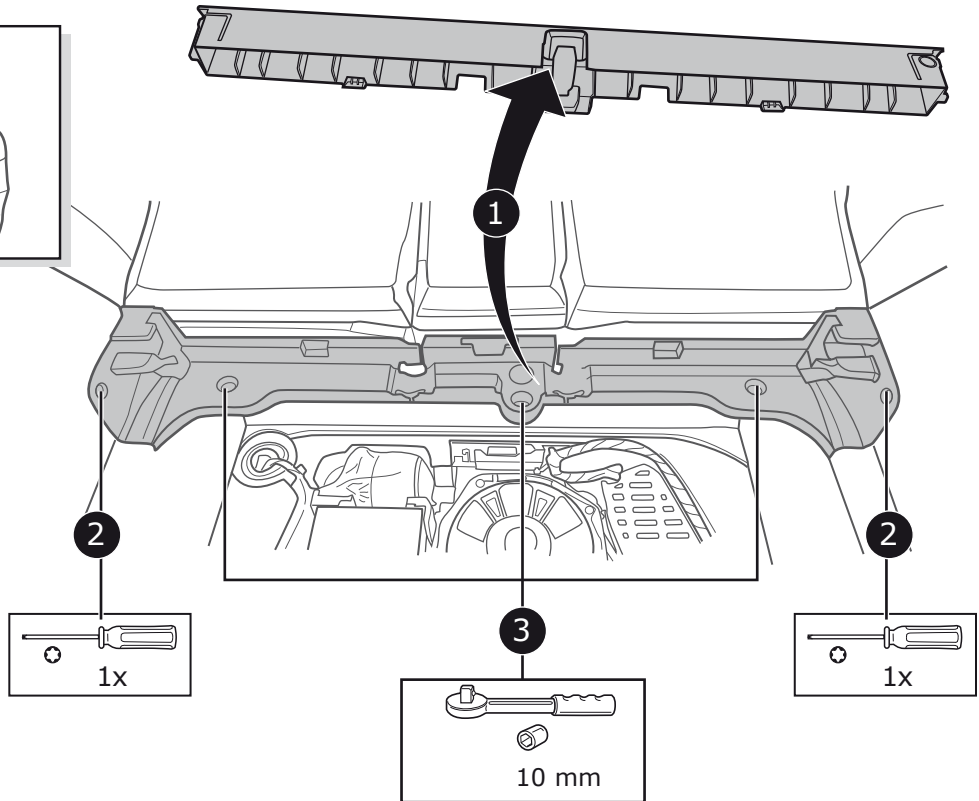
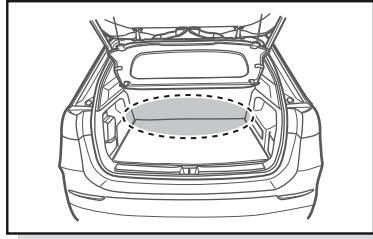


7



B-Class

8



2

1

3

2

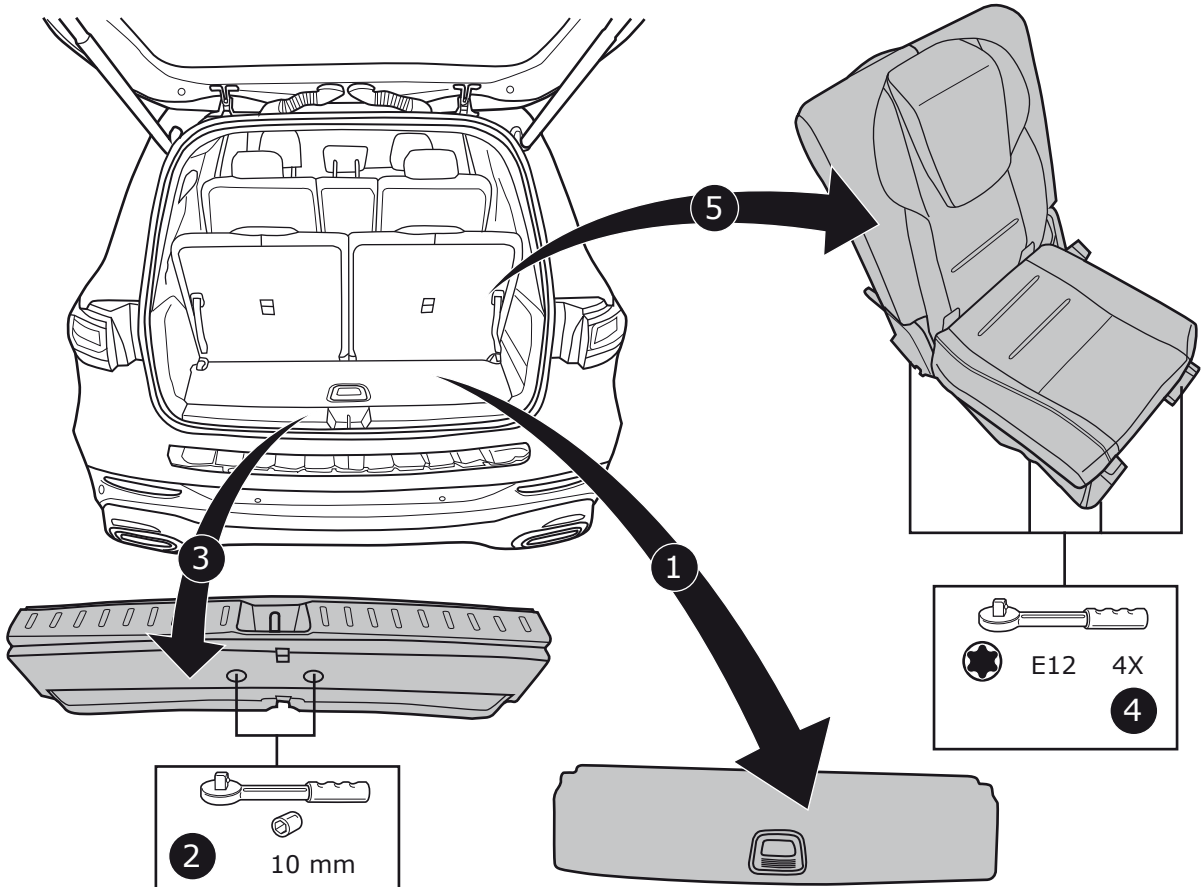
1x

1x

10 mm

Option only for GLB

9



5

3

1

2

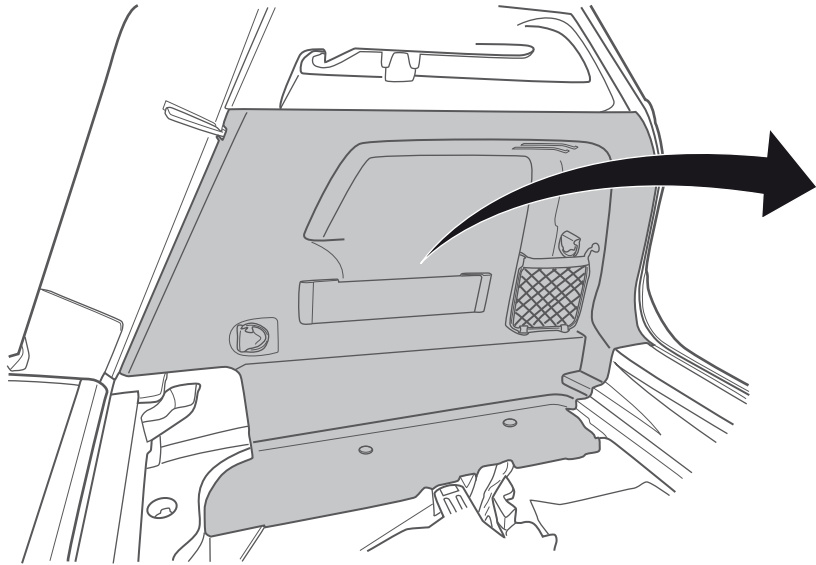
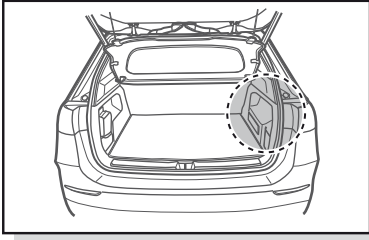
4

10 mm

E12

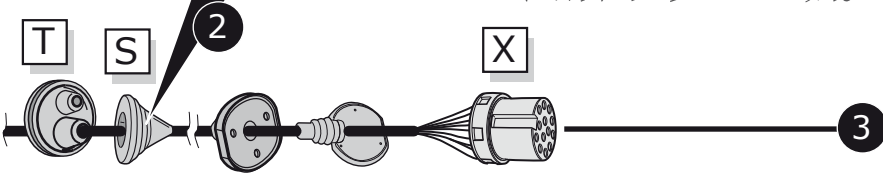
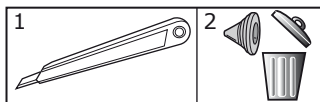
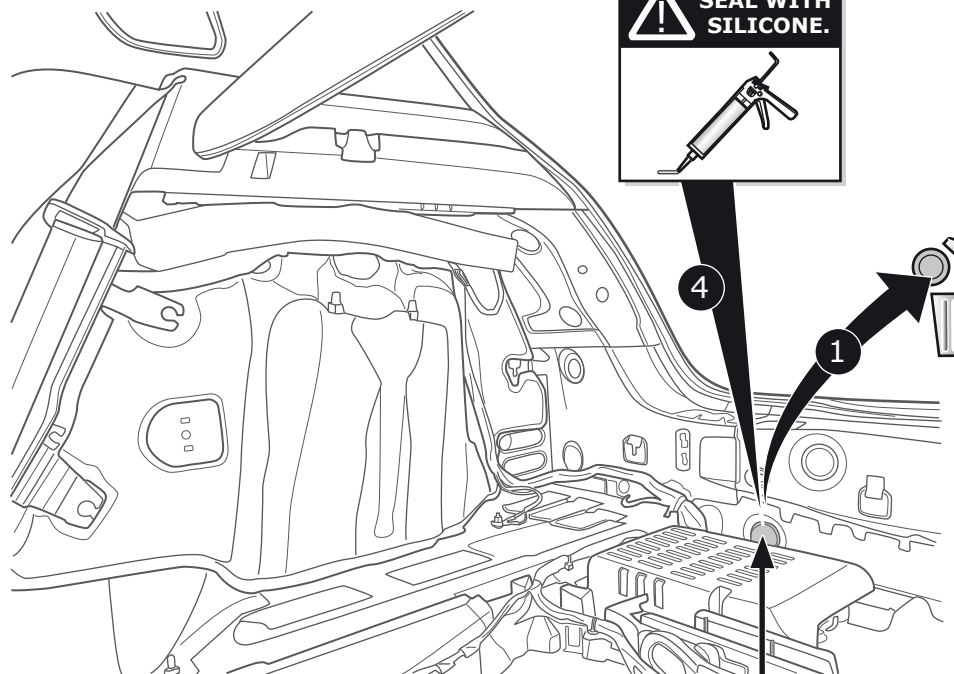
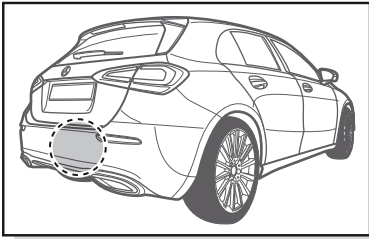
4X

10



All models

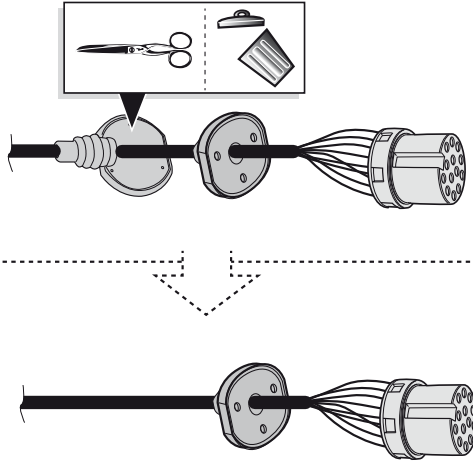
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All models

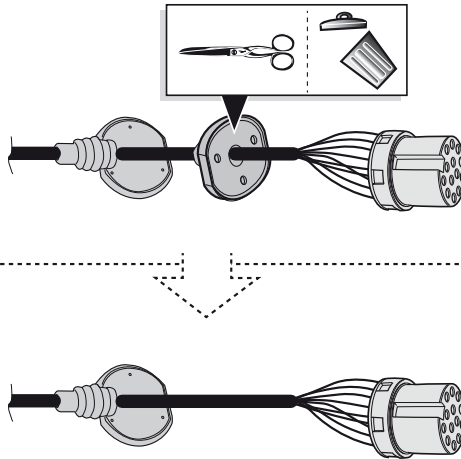
A

Option 1



B

Option 2



C

- Ⓓ Anschluss Steckdose
- Ⓕ Connection de la prise
- Ⓖ Contactdoos aansluiting
- Ⓖ Socket connection
- Ⓔ Conexión de la caja de enchufe
- Ⓘ Allaccio zoccolo

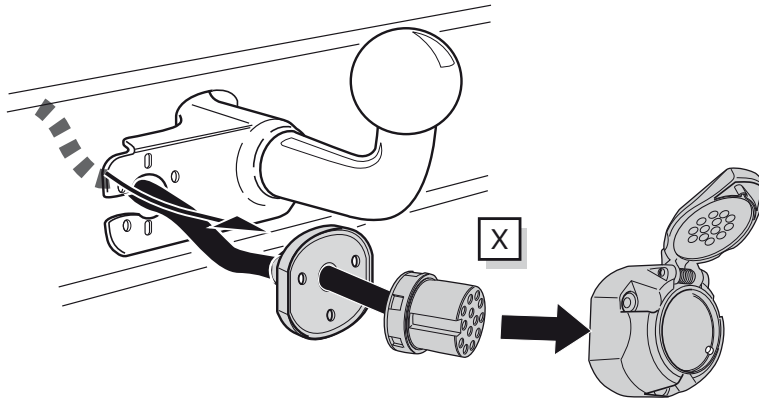


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All models

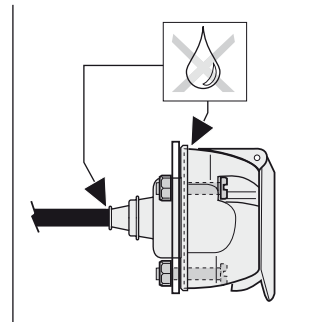
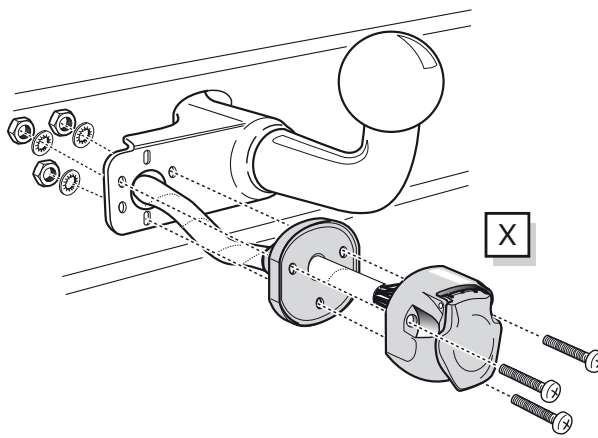
D

Option 1



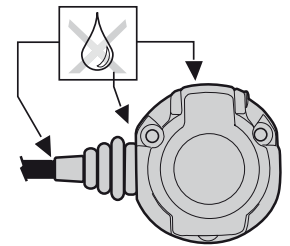
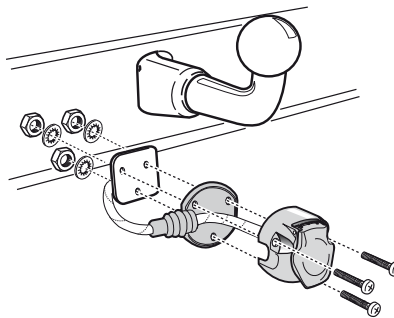
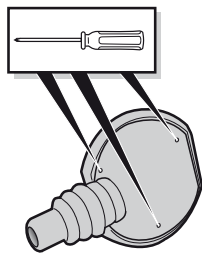
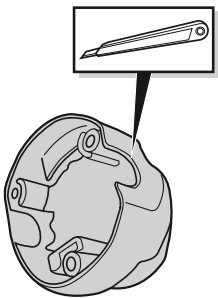
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Option 1



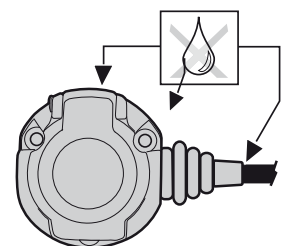
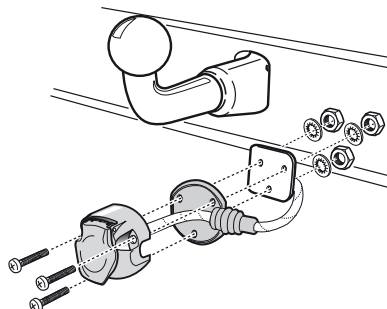
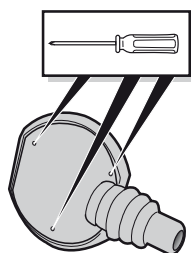
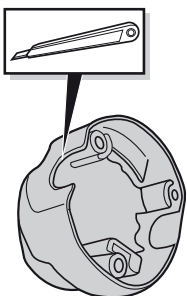
F

Option 2



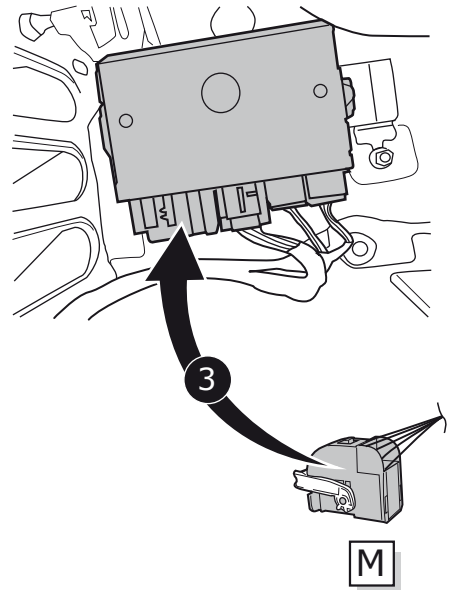
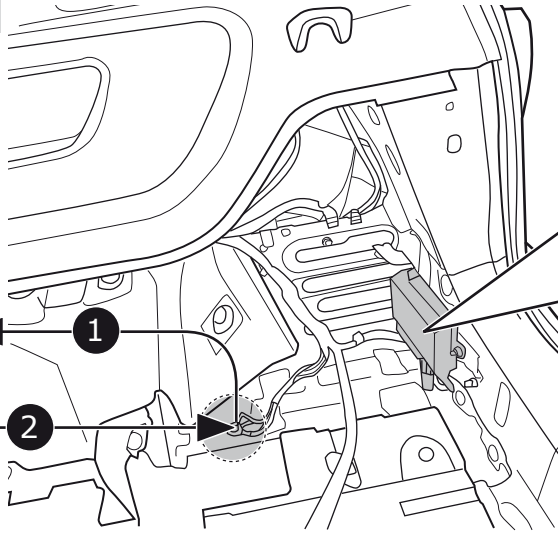
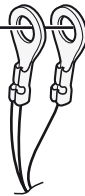
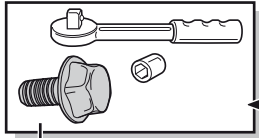
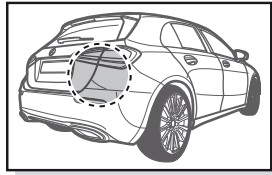
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Option 2



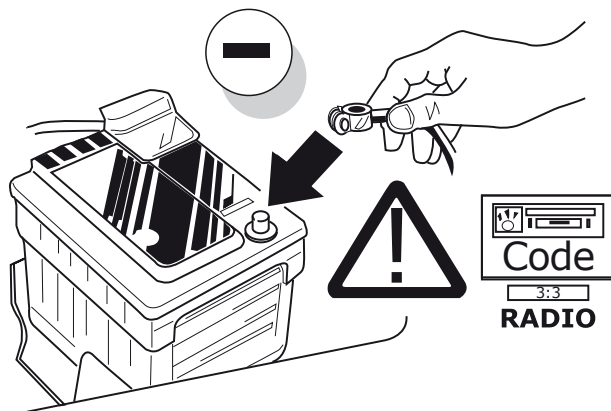
All models

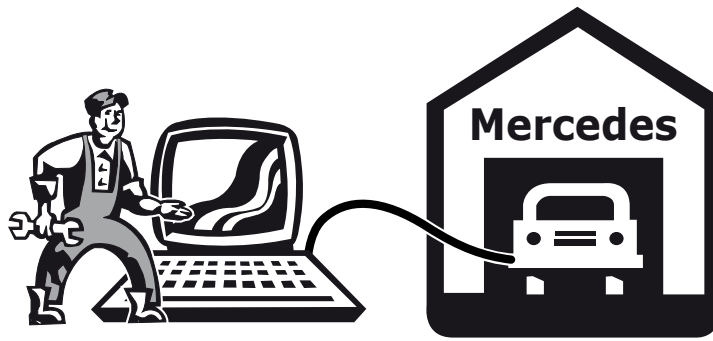
12



All models

13





(DE)

(GB)

(FR)

Die Aktivierung der Anhängerfunktionen muss wie folgt durchgeführt werden:

1. Computer mit Auto verbinden
 2. Programm starten
 3. Klicke auf „Sonderfunktionen“
 4. Klicke auf "Eingabe bei Nachrüstungen oder Umbauten"
 5. Gebe Benutzername und Passwort ein
 6. Schreibe by 1FN-550 beim oberen (+) Feld ein
 7. Akzeptiere und beende das Programm.
 8. Starte Programm erneut
 9. Klicke auf „Steuergeräte Ansicht“
10. Verbaute Steuergeräte wie folgt programmieren:
- a. Klicke z.B. auf „EZS“ (Elektronisches Zündschloss)
 - b. Klicke auf „Anpassung“
 - c. Auf der linken Seite:
Klicke auf Aktualisierung SCN-Codierung
 - d. Gehe online und warte ein paar Sekunden
11. Vorgang mit allen unten aufgeführten Steuergeräten durchführen:
- „EZS“ (Elektronisches Zündschloss)
 - „SAM-hinten“ (Signalerfass- und Ansteuermodul hinten.)
 - „SAM-vorn“ (Signalerfass- und Ansteuermodul vorn)
 - „Kombiinstrument“
 - „Headunit/Audio 20“
 - „Antriebsstrang“
 - „ESP“

Wenn verbaut:

- „Parksystem“
- „360°-Kamera“
- „Niveau-Regulierung“
- „Heckschaltmodul“

▶ Ende der Codierung

The activation of the trailer functions has to be carried as follows:

1. Connect computer to car
 2. Start program
 3. Click "Special functions"
 4. Click "Input for retrofits or conversions"
 5. Enter you user name and password
 6. Write by 1FN-550 in the upper (+) field
 7. Accept and close the program
 8. Start the program again
 9. Click "Controllers View"
10. code installed control units as follows:
- a. Click e.g. "EZS" (Ignition)
 - b. Click "Adjust"
 - c. On the left side:
click updating SCN encoding
 - d. Go online a wait a few seconds
11. Perform the operation with all the control units listed below:
- "EZS" (Ignition)
 - "SAM-rear" (Signal aquisition module-rear).
 - "SAM-front" (Signal aquisition module-front).
 - "Combined instrument"
 - "Headunit/Audio 20"
 - "Powertrain"
 - "ESP"

If fitted:

- "Parksystem"
- "360° camera"
- "Level Control"
- "Rear switching module"

▶ Coding finished

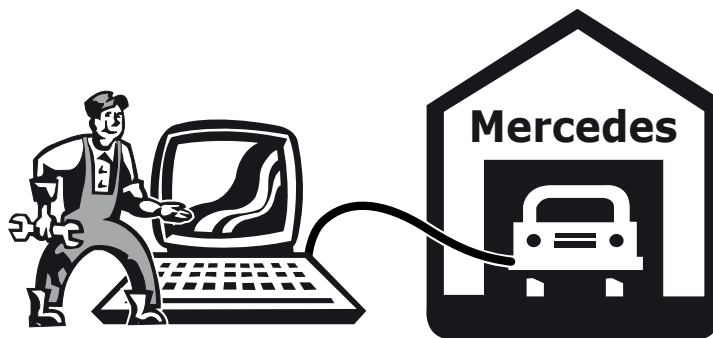
L'activation des fonctions de la remorque doit être effectuée comme suit:

1. Relier l'ordinateur à la voiture
 2. Démarrer le programme
 3. Cliquez sur «Fonctions spéciales»
 4. Cliquez sur «Saisie pour rééquipement ou transformation»
 5. Saisissez le nom d'utilisateur et le mot de passe
 6. Inscrivez by 1FN-550 dans la zone(+) en haut
 7. Acceptez et quittez le programme
 8. Redémarrez le programme
 9. Cliquez sur «Vue appareils de commande»
10. Programmez les calculateurs de commandes montés comme indiqué:
- a. Cliquez p. ex. sur «EZS» (Allumage)
 - b. Cliquez sur «Adaptation»
 - c. Sur le côté gauche:
Cliquez sur actualisation SCN Codage
 - d. Rendez-vous en ligne et attendez quelques secondes
11. Effectuer la procédure avec toutes les unités de commande dans la liste ci-dessous:
- «EZS» (Allumage)
 - «SAM-arrière» (Module de Commande arrière)
 - «SAM-devant» (Module de Commande avant)
 - «Instrument combiné»
 - «Headunit (Unité Centrale)/Audio 20»
 - «Groupe motopropulseur»
 - «ESP»

Si installé:

- «Système de stationnement»
- «Caméra panoramique»
- «Contrôle de niveau»
- «Module de commande arrière»

▶ Fin de codage



IT

L'attivazione di rimorchio funzioni si deve eseguire come segue:

1. Collegare il computer con l'auto
2. Avviare il programma
3. Cliccare su „Funzioni speciali“
4. Cliccare su "Immissione in caso di optional supplementari o modifiche"
5. Digitare il nome utente e la password
6. Digitare by 1FN-550 nel campo superiore (+)
7. Accettare e chiudere il programma.
8. Riavviare il programma
9. Cliccare su „Visualizza dispositivi di controllo“
10. Codificare i dispositivi di controllo installati come segue
 - a. Cliccare p.es. „EZS“ (Blocco di accensione)
 - b. Cliccare su „Adattamento“
 - c. Sul lato sinistro: cliccare su attualizzazione SCN Codifica
 - d. Collegarsi online e aspettare alcuni secondi
11. Eseguire la procedura con tutte le centraline di seguito elencati:
 - „EZS“ (Blocco di accensione)
 - „SAM dietro“ (centralina di controllo posteriore)
 - „SAM avanti“ (centralina di controllo anteriore)
 - „Strumento combinato“
 - „Headunit/Audio 20“
 - „Gruppo motopropulsore“
 - „ESP“

Se installato:

- "Sistema di parcheggio"
- „Telecamera a 360°“
- „Controllo di livello“
- „Centralina interruttore posteriore“

► Fine della codifica

ES

La activación de las funciones de remolque deberá llevarse a cabo de la siguiente manera:

1. Conectar el ordenador con el coche
2. Iniciar el programa
3. Hacer clic en "Funciones especiales"
4. Hacer clic en "Entradas en caso de reequipamientos o modificaciones"
5. Introducir el nombre de usuario y la contraseña
6. Introducir by 1FN-550 en la casilla superior (+)
7. Aceptar la entrada y finalizar el programa
8. Volver a iniciar el programa
9. Hacer clic en "Ver reguladores"
10. Código instalado unidades de control de la siguiente
 - a. Hacer clic por ejemplo en "EZS" (Ignición)
 - b. Hacer clic en "Adaptación"
 - c. En el lado izquierdo: Hacer clic en actualización SCN Codificación
 - d. Conectarse en línea y esperar un par de segundos
11. Realice el procedimiento con todas las unidades de control que se indican a continuación:
 - "EZS" (Ignición)
 - "SAM-atrás" (Módulo de control atrás)
 - "SAM-delante" (Módulo de control delante)
 - "Instrumento combinado"
 - "Headunit/Audio 20"
 - "Tren motriz"
 - "ESP"

Si está instalado:

- "Sistema de estacionamiento"
- "Cámara de 360°"
- "Control de nivel"
- Módulo de interruptor trasero"

► Fin de la codificación

NL

De activering van de trailer-functies moet als volgt worden uitgevoerd:

1. Computer met auto verbinden
2. Programma starten
3. Klik op „Speciale functies“
4. Klik op "Invoer bij achteraf toegevoegde onderdelen of modificaties"
5. Voer gebruikersnaam en wachtwoord in
6. Schrijf by 1FN-550 in het bovenste (+) veld
7. Accepteer en beëindig het programma
8. Start programma opnieuw
9. Klik op „Bekijk besturingsapparaten“
10. code geïnstalleerd besturingsapparaten als volgt
 - a. Klik bijvoorbeeld op „EZS“ (Ignition)
 - b. Klik op „Aanpassing“
 - c. Aan de linkerkant: klik op update SCN-codering
 - d. Ga online en wacht een paar seconden
11. Voer de proces met alle hieronder genoemde besturingsapparaten:
 - „EZS“ (Ignition)
 - „SAM achter“ (Signaal detectie en controle achterste module)
 - „SAM vooraan“ (Signaal detectie en controle voorste module)
 - „Combineer instrument“
 - „Headunit (Hoofdeenheid)/Audio 20“
 - „Aandrijflijn“
 - „ESP“

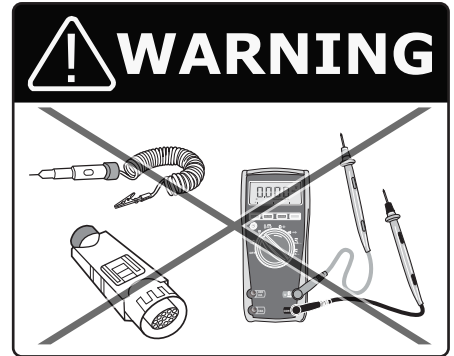
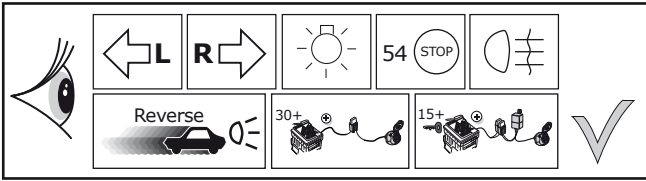
Indien geïnstalleerd:

- „Parkeer system“
- „360°- camera“
- "Niveau regeling"
- "Achter Schakelmodule"

► Uiteinde van het coderende

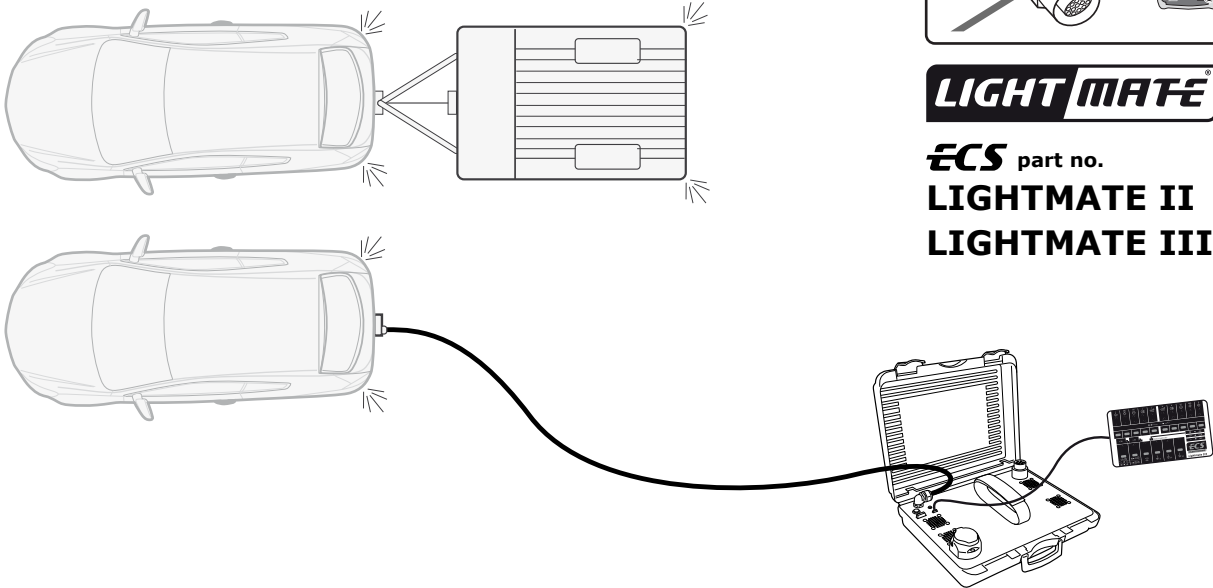
14

Functional test

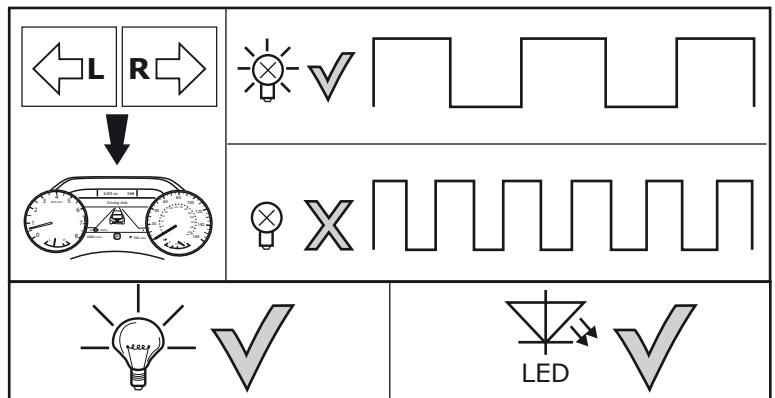
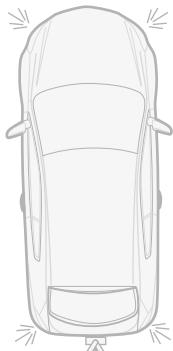


LIGHTMATE

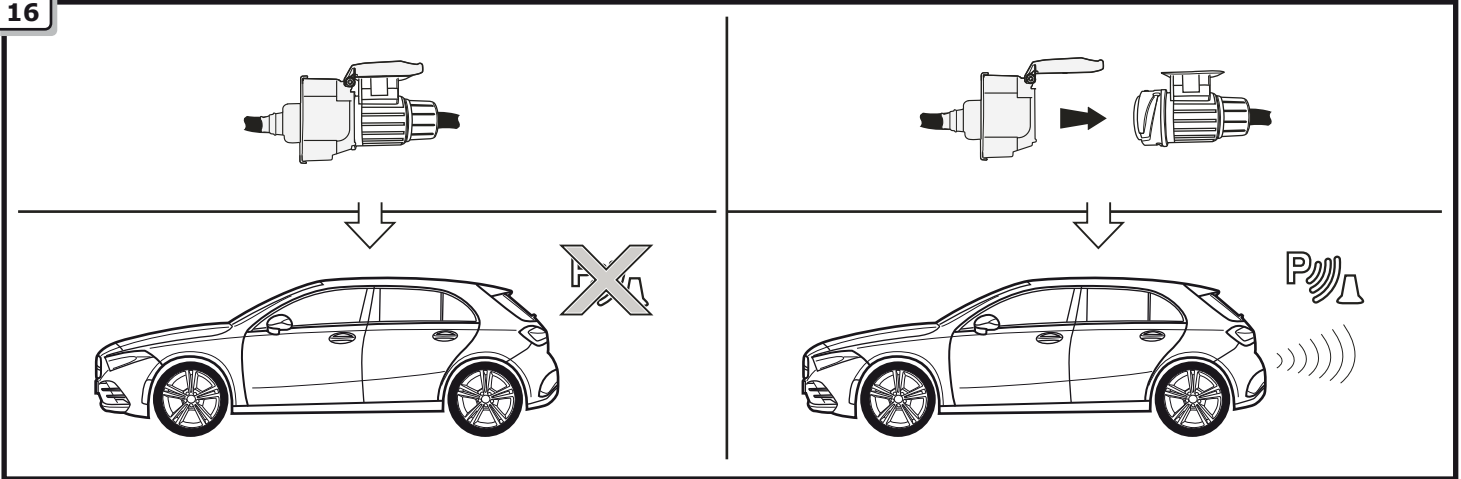
ECS part no.
LIGHTMATE II
LIGHTMATE III



15



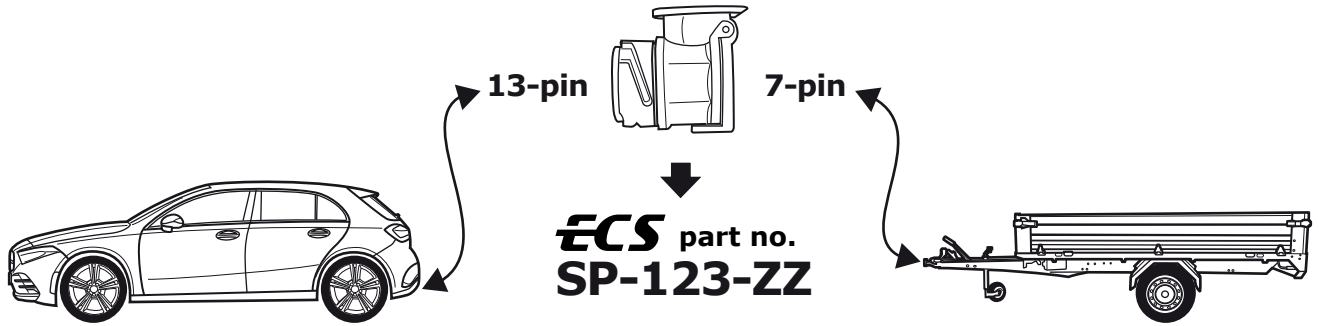
16



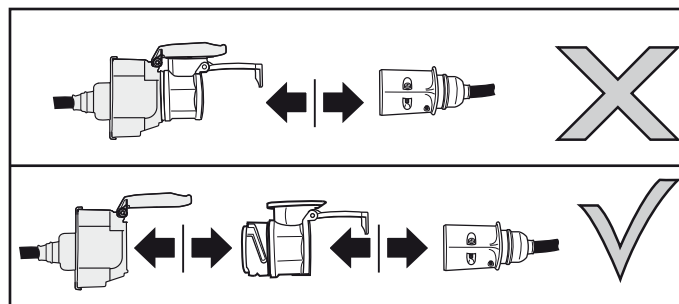
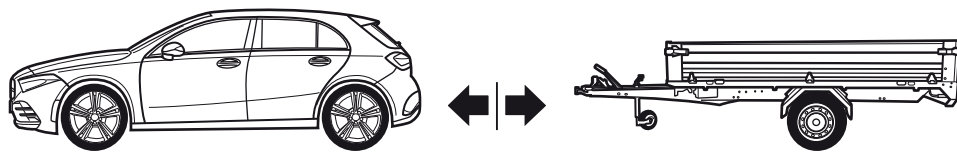
17

Optional

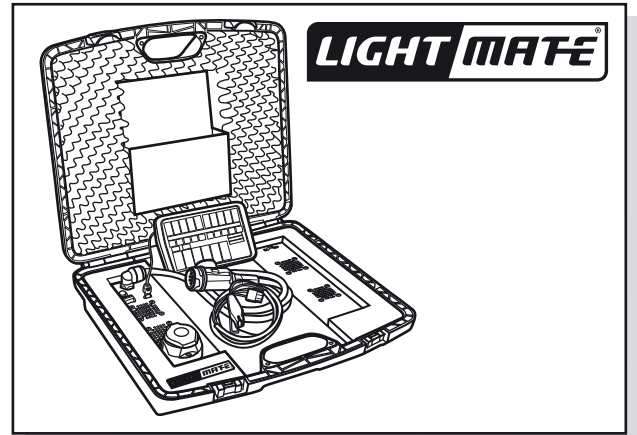
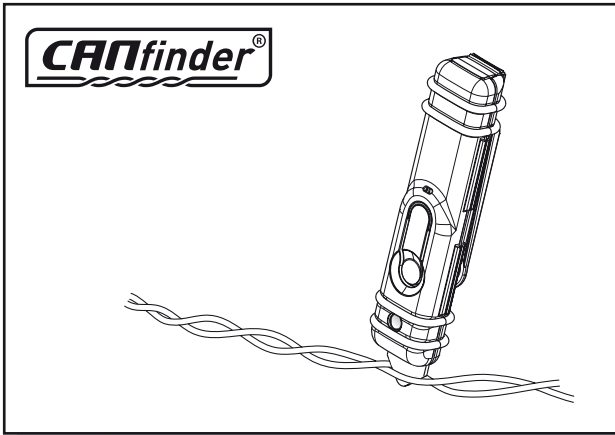
Adapter socket



18



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



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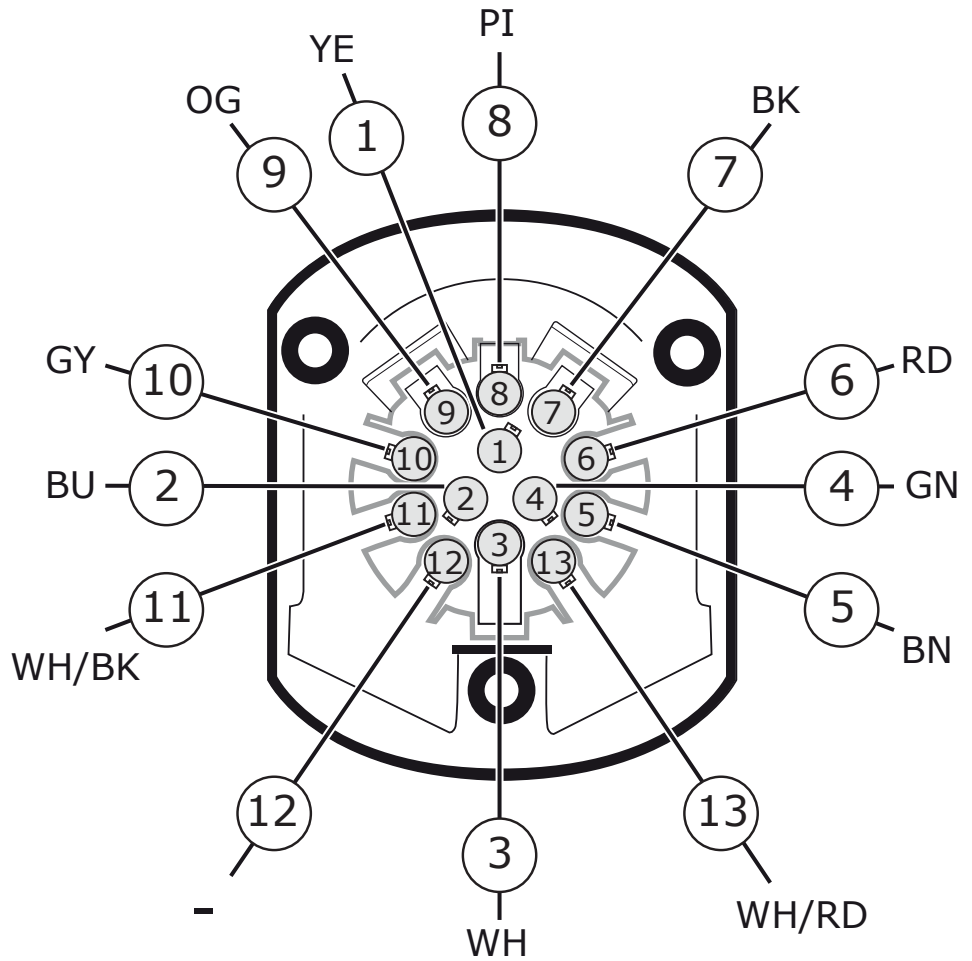
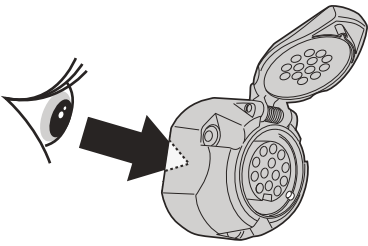


**MONDAY TO FRIDAY
08.00 - 12.00
13.00 - 17.00**

ts@ecs-electronics.nl
www.ecs-electronics.nl
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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



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DIN/ISO 11446													
Pmax	21W	21W		21W	42W	3x21W	42W	21W	OPTION	OPTION			
	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