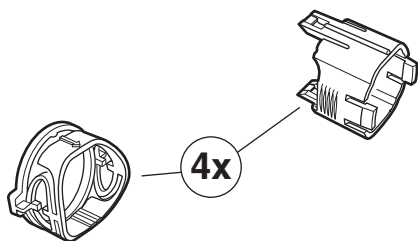
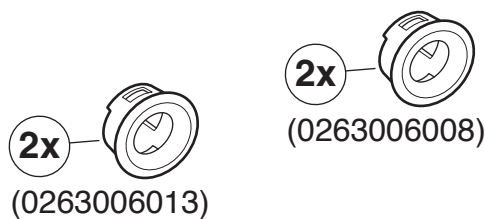


D	Änderungen bezüglich Konstruktion, Ausstattung, Farbe sowie Irrtum vorbehalten. Angaben und Abbildungen unverbindlich.	D	Einbauanleitung
GB	Subject to change in terms of construction, equipment and colour, and may contain errors. The information and illustrations are non-binding.	GB	Installation instructions
F	Sous réserve de modifications de la construction, de l'équipement, de la couleur et sous réserve d'erreurs. Les indications et les illustrations sont sans engagement.	F	Consignes de montage
NL	Wijzigingen met betrekking tot constructie, uitrusting en kleur evenals vergissingen voorbehouden. Gegevens en afbeeldingen niet bindend.	NL	Montagehandleiding
DK	Ændringer med hensyn til konstruktion, udstyr, farver samt fejl forbeholdes. Oplysninger og illustrationer er uforpligtende.	DK	Montagevejledning
N	Ændringer angående konstruksjon, utstyr, farge og feiltagelse forbeholdes. Opplysninger og illustrasjoner uforbindtlig.	N	Monteringsinstruksjon
S	Med reservation för ändringar vad det gäller konstruktion, utrustning, färg samt för misstag. Uppgifterna och bilderna är inte bindande.	S	Installationsanvisning
FIN	Pidätämme oikeuden rakennetta, varustusta, väriä koskeviin sekä erehdykseenä johtuviin muutoksiin. Tiedot ja kuvat eivät ole sitovia.	FIN	Asennusohje
I	Con riserva di modifiche relative a progettazione, dotazione, colore ed errori. Le indicazioni e figure sono fornite senza impegno.	I	Istruzioni per il montaggio
E	Reservadas las modificaciones respecto a diseño, equipamiento, color, así como error. Indicaciones y figuras sin compromiso.	E	Instrucciones de montaje
P	Reservamos o direito de alterações relativamente ao desenho, equipamento, cor, bem como de erro. Os dados e as gravuras não implicam compromisso da nossa parte.	P	Instruções de montagem
GR	Διατηνούμε κάθε επιφύλαξη ως προς αλλαγές σε σχέση με κατασκευή, εξοπλισμό, διαρρύθμιση, χρωματισμούς και λάθη παραδρομής.	GR	Οδηγίες εγκατάστασης
CZ	Změny, týkající se konstrukce, vybavení, barvy, jakož i omyly jsou vyhrazeny. Údaje a vyobrazení jsou nezávazné.	CZ	Návod k montáži
PL	Zastrzega się prawo do zmian dot. konstrukcji, wyposażenia, kolorystyki oraz pomylek. Dane i ilustracje niewiążące.	PL	Instrukcja montażu
TR	Tasarım, donanım ve renk bakımından değişiklikli yapma hakkı ve hata ve eksiklik mahfuzdur. Veriler ve resimler bağlayıcı değildir.	TR	Montaj talimatı
H	A szerkesztel, a kivétel és a szín változtatása, valamint a változások joga fenntartva. Az adatok és az ábrák nem kötelező érvényűek.	H	Beépítési útmutató
HR	Pravo promjena u svezi konstrukcije, opreme, boje kao i zabune ostavljammo. Podaci i ilustracije su neobavezne.	HR	Upute o ugradnji
BUL	Запазени права по отношение на конструкцията, оборудването, цвета и грешки. Данните и изображенията не са обвързващи.	BUL	Инструкция за монтаж
RO	Ne rezervăm dreptul unor modificări ale construcției, dotării, culorii și dreptul la erori. Datele indicate și imaginile sunt orientative.	RO	Instrucțiuni de montaj
RUS	Права на внесение изменений относительно конструкции, оснащения, окраски, а также на ошибки сохраняются. Данные и иллюстрации имеют примерный характер.	RUS	Инструкция по монтажу и установке
LT	Pasiliekama konstrukcijos, rangos bei reikmenų spalvos pakeltimų ir klaidų teisė. Duomenys ir iliustracijos nepareigojantys.	LT	Montavimo informacija
LV	Tiek paturēšas tiesības uz konstrukcijas, iekārtu, krāsu izmaiņām, kā arī kļūdītānos. Dati un attēli bez saistībām.	LV	Iemontēšanas pamācība
EST	Konstruktsioonil, varustuse ja vööri osas muudatused ning eelmise lubatud. Andmed ja joonised on mitteisiduvad.	EST	Paigaldusjuhend
SLO	Zadržana pravica do sprememb glede konstrukcije, opreme, barve ter pomote. Podatki in slike so neobvezne.	SLO	Navodilo za vgradnjo
SK	Zmeny, ktoré sa týkajú konštrukcie, vybavenia, farby, ako aj omyly sú vyhradené. Údaje a zobrazenia sú nezáväzná.	SK	Montážny návod

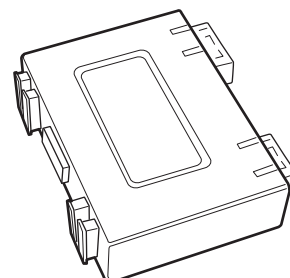
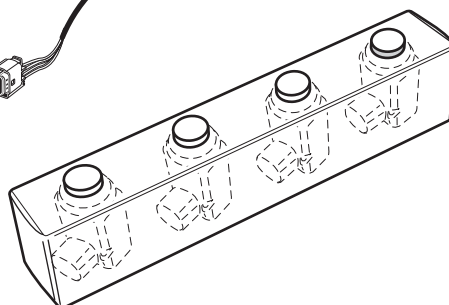
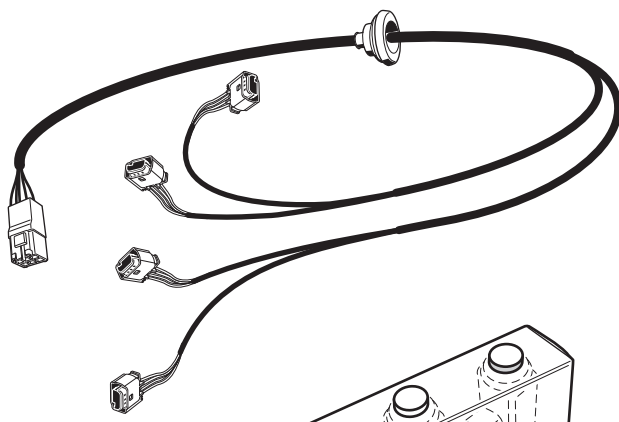
Astra Twin Top L67

L67

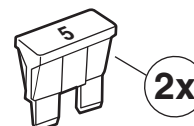
93 199 277



93 199 276



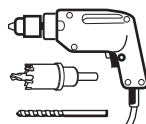
93 173 965



8 / 10 / 13 mm



TORX 20/25

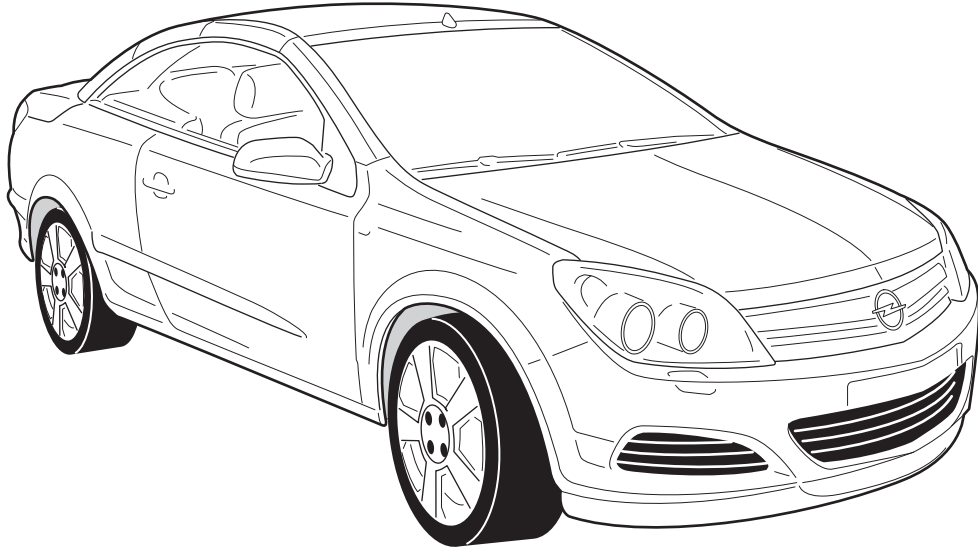


Ø 2 / 24 / 29 mm

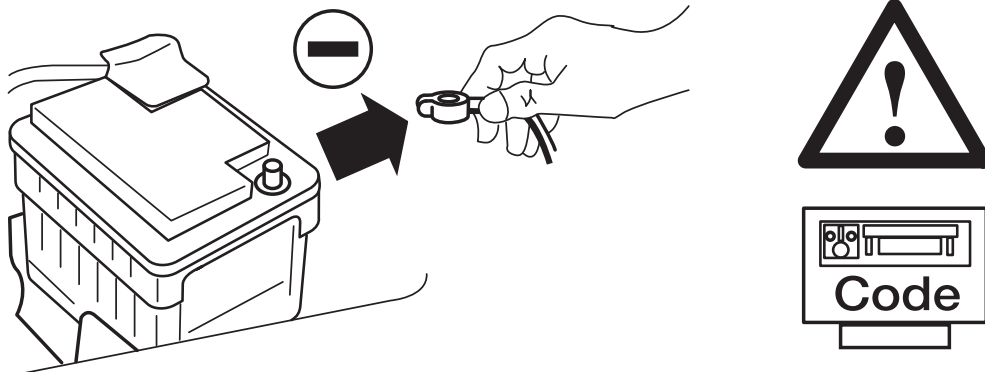


MKM-923

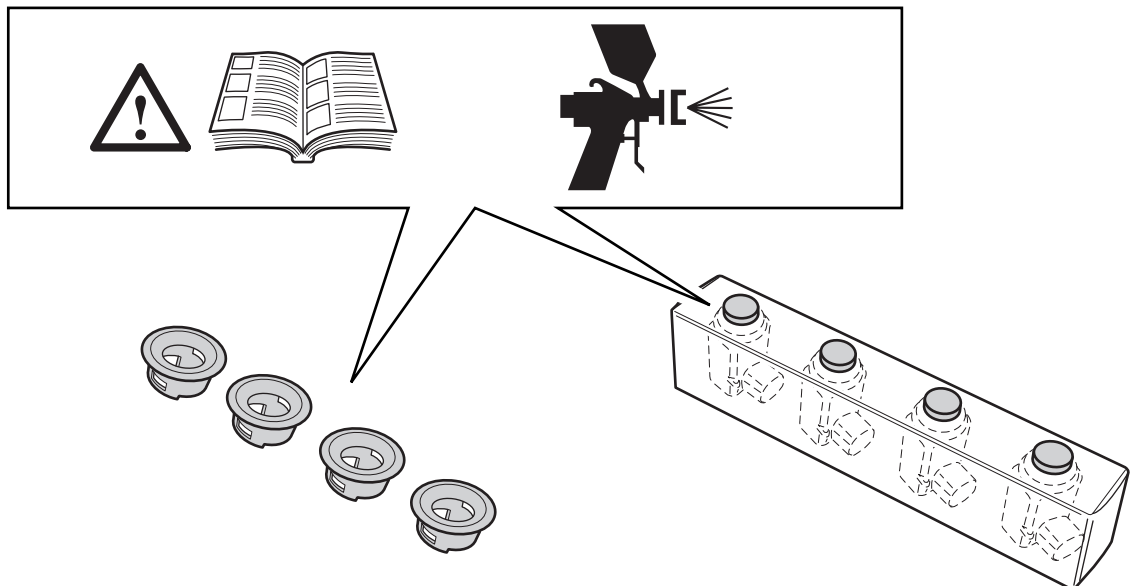
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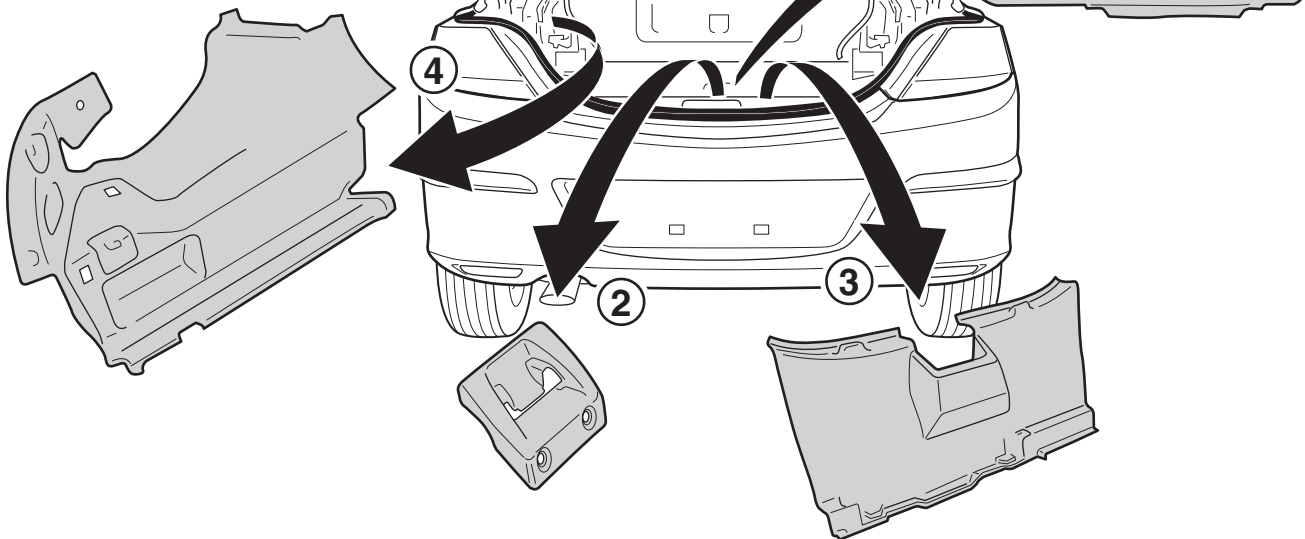
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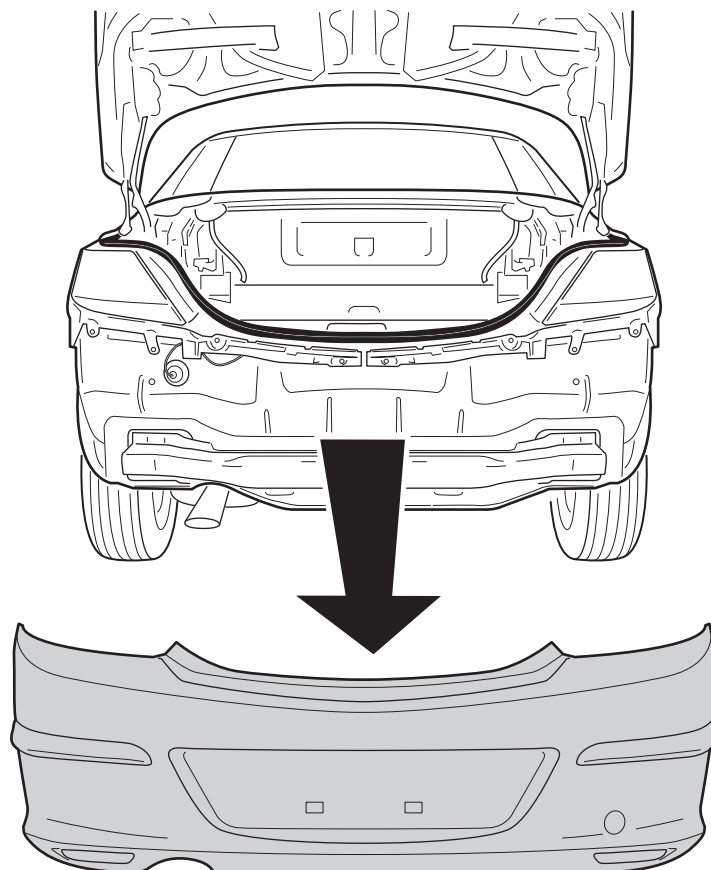
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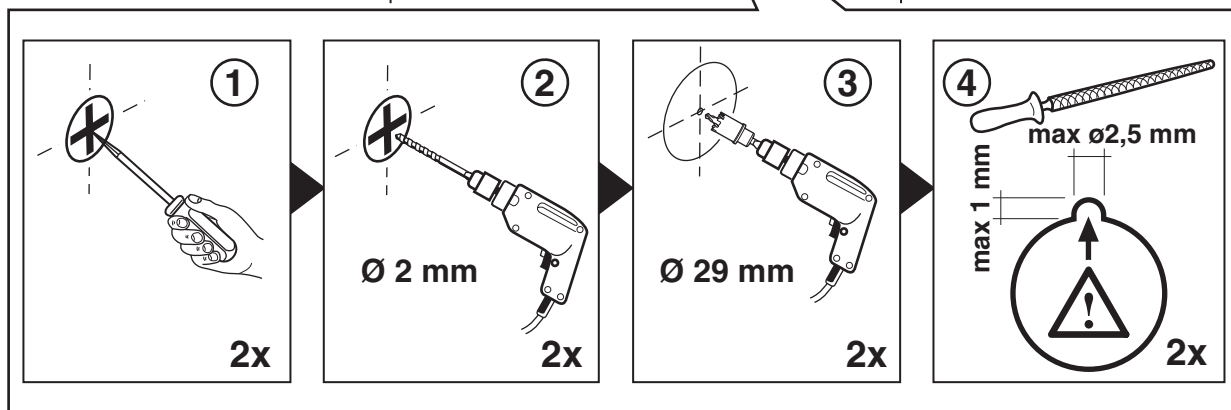
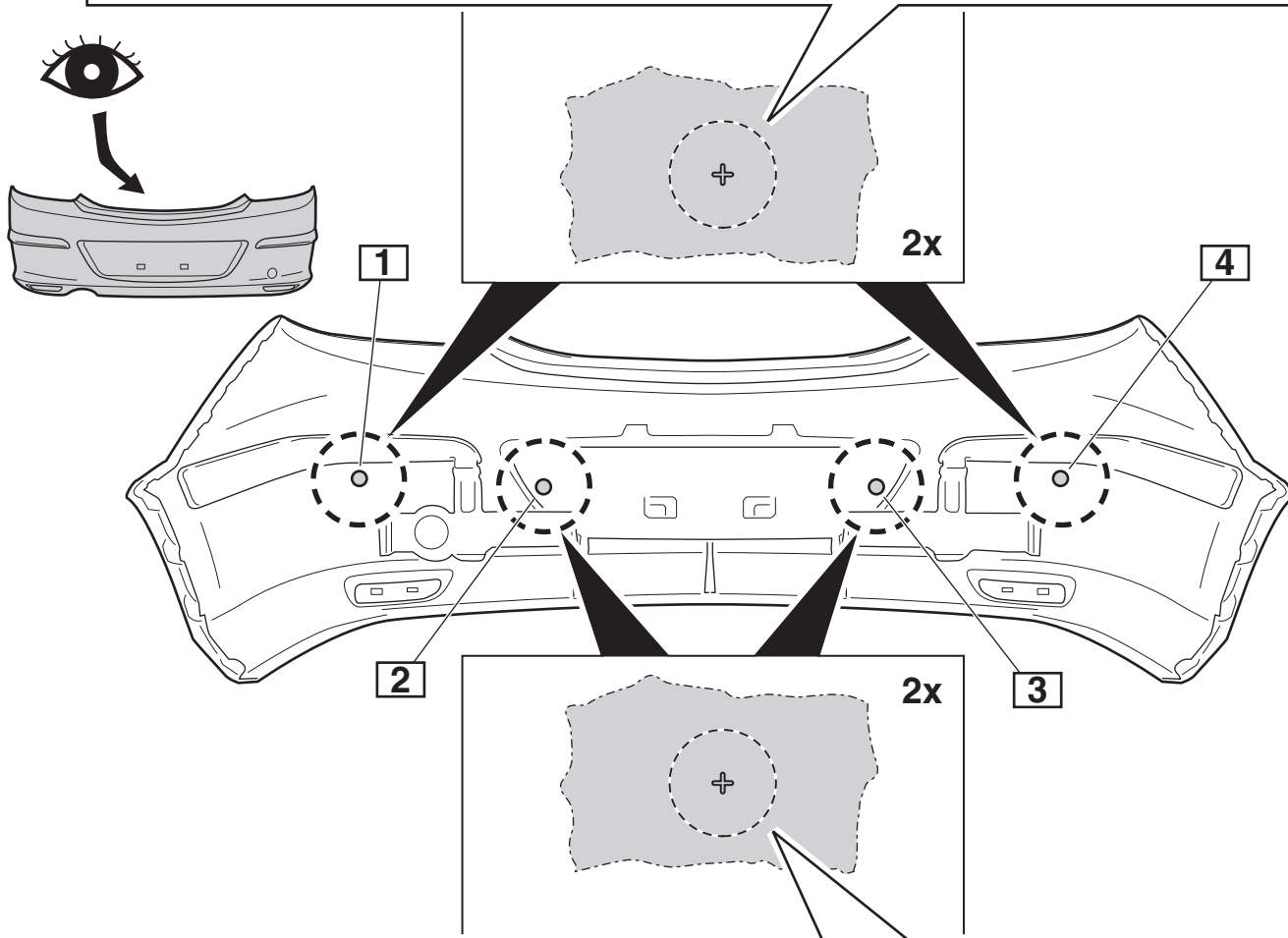
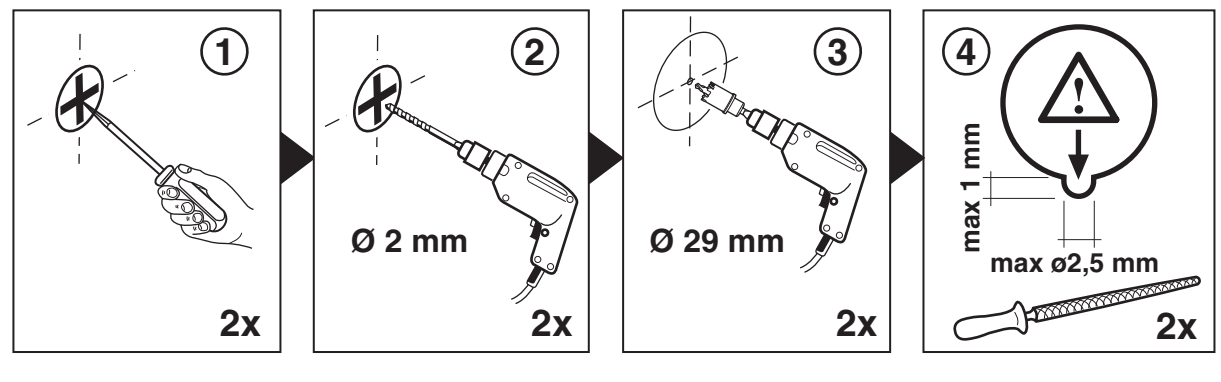
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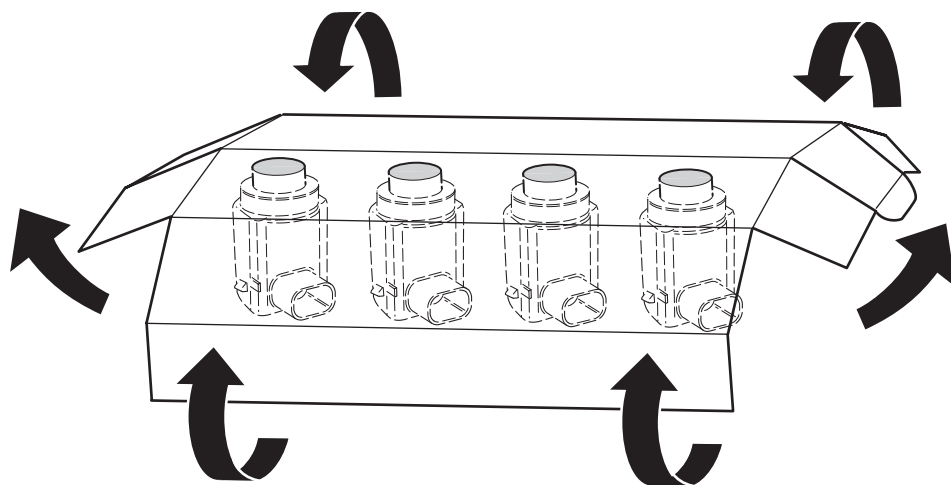
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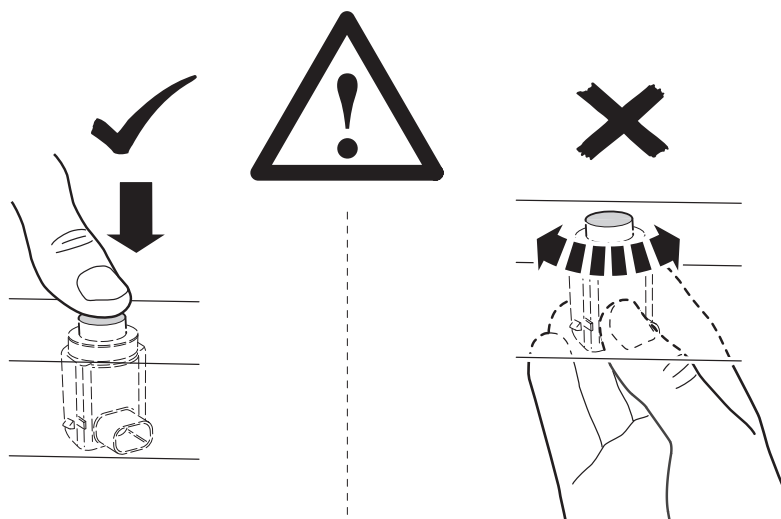
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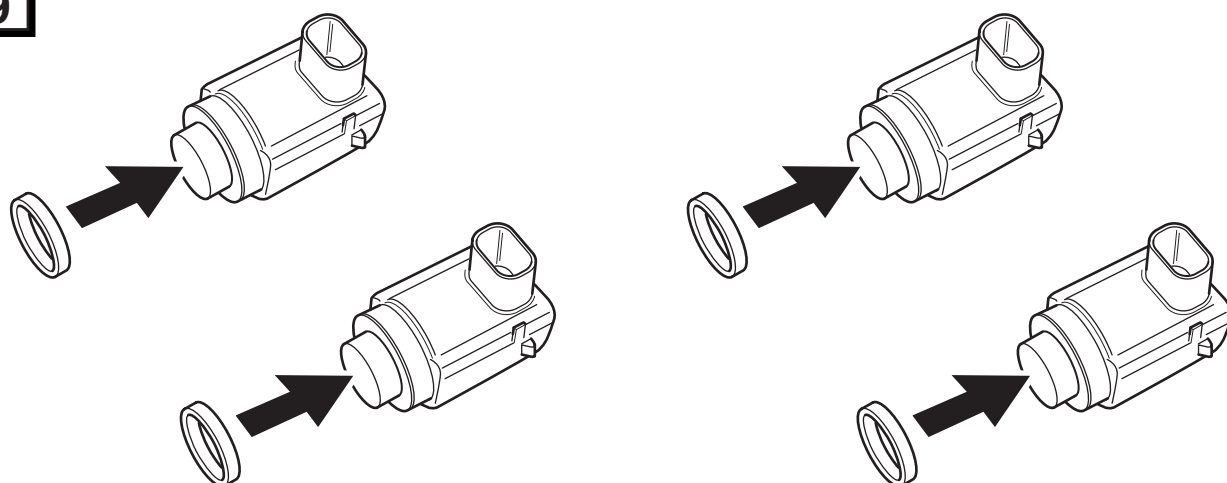
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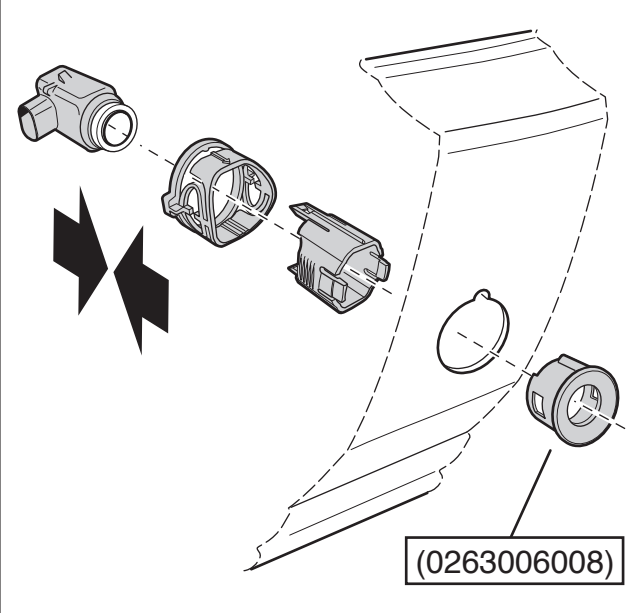
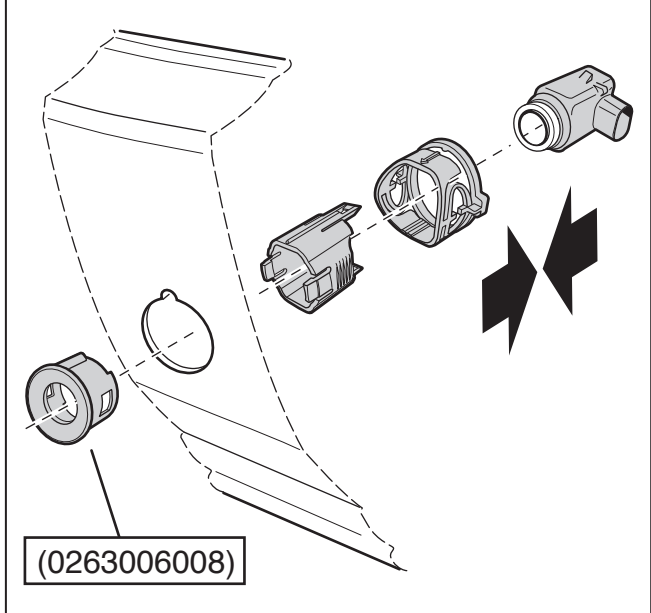
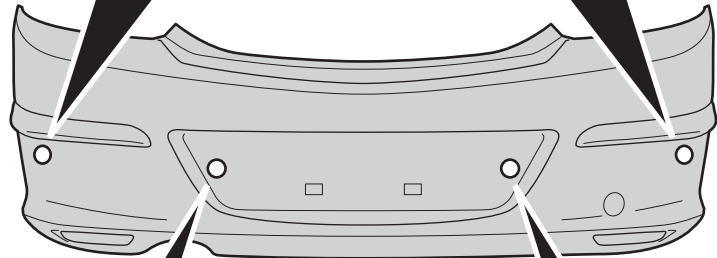
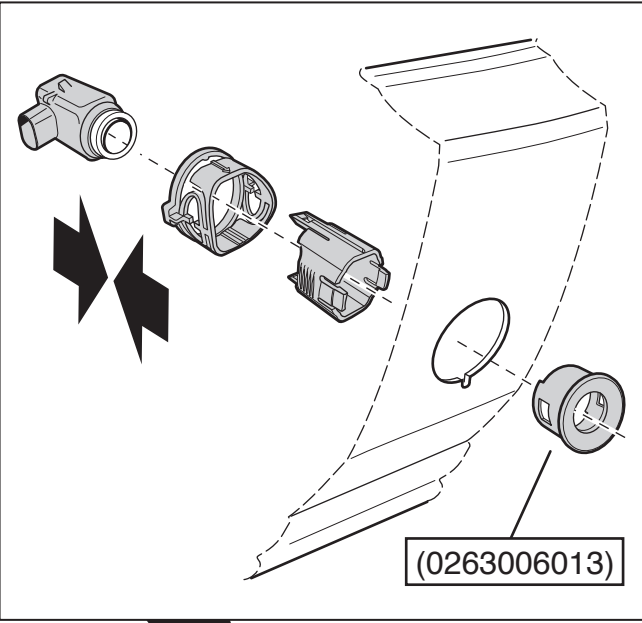
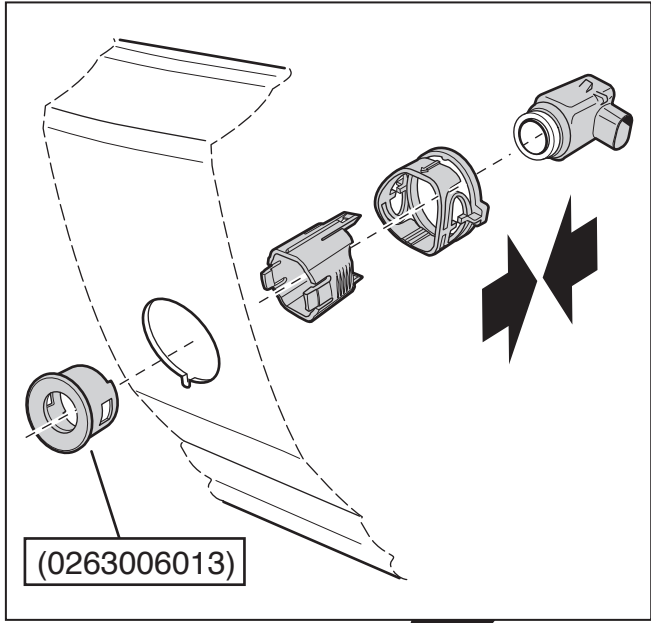
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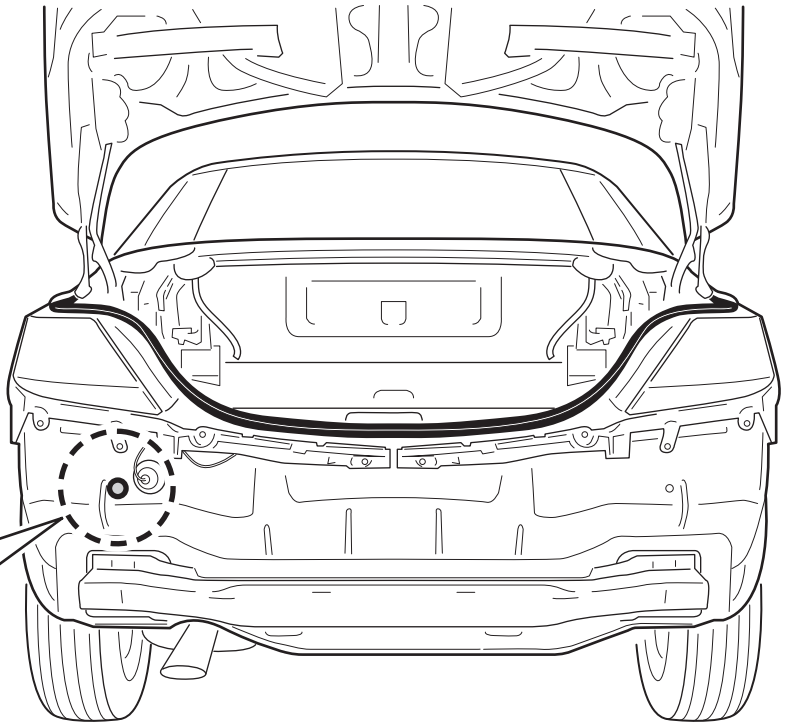
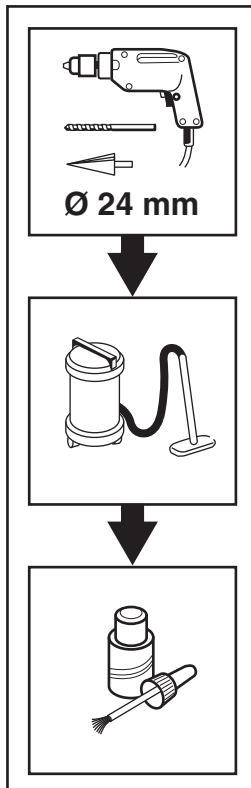
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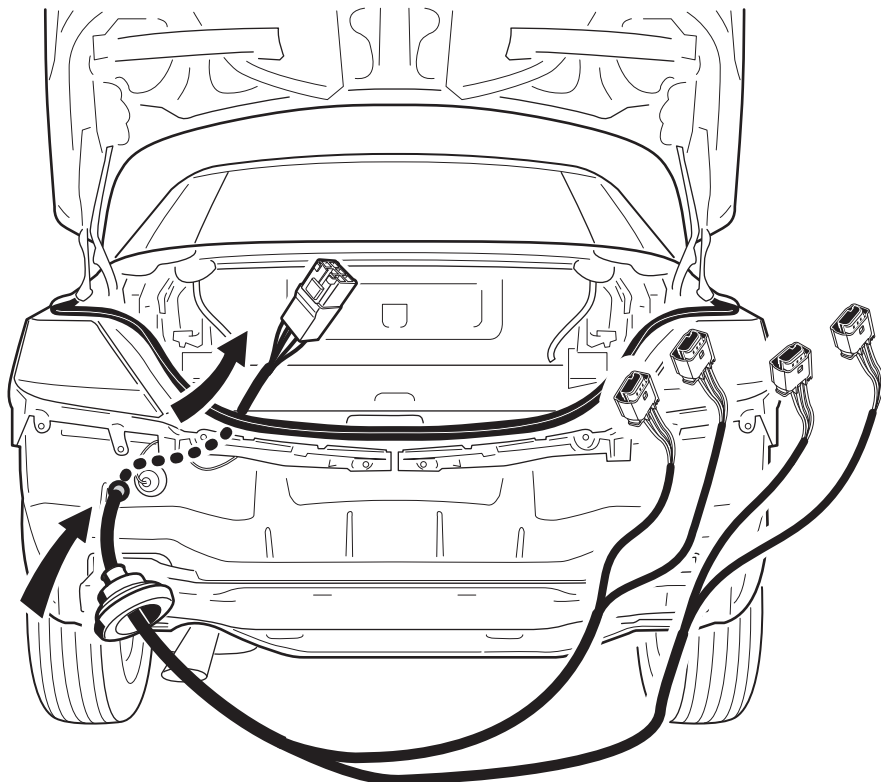
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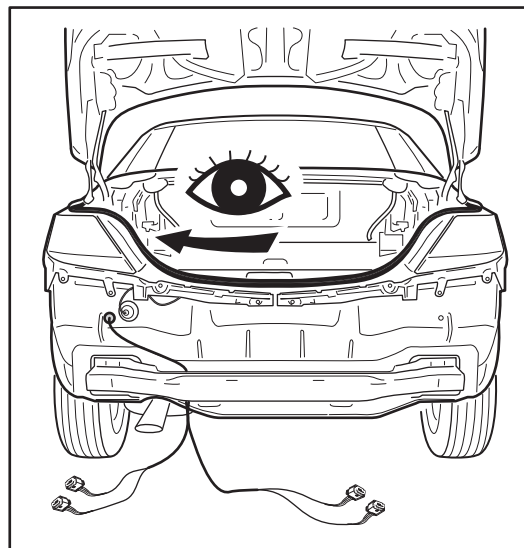
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12



13



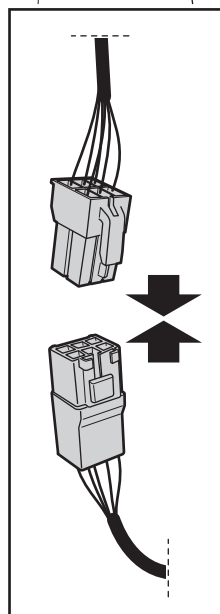
20-21



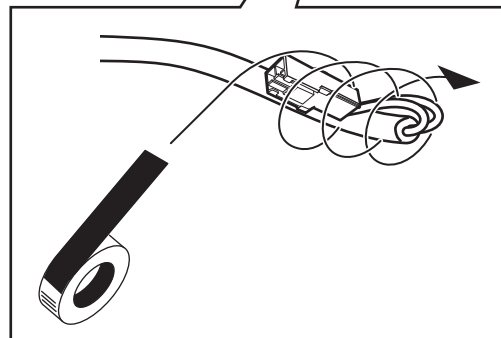
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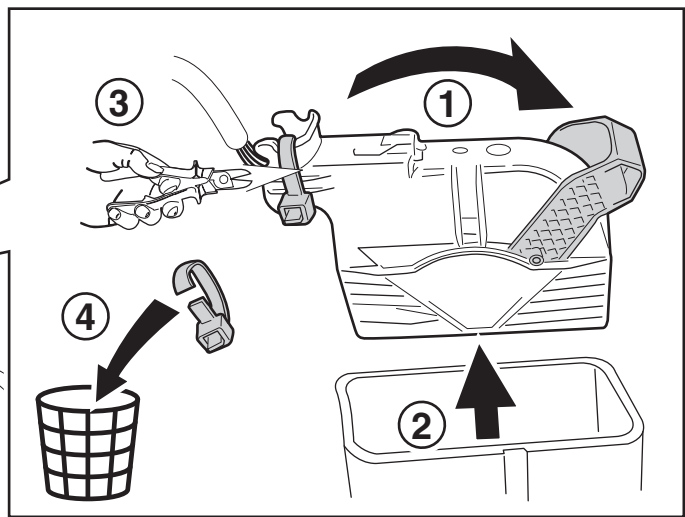
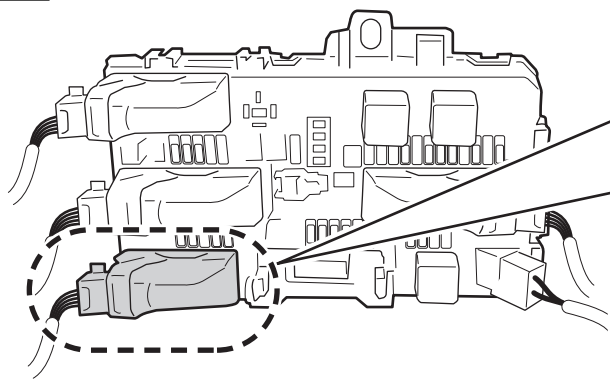
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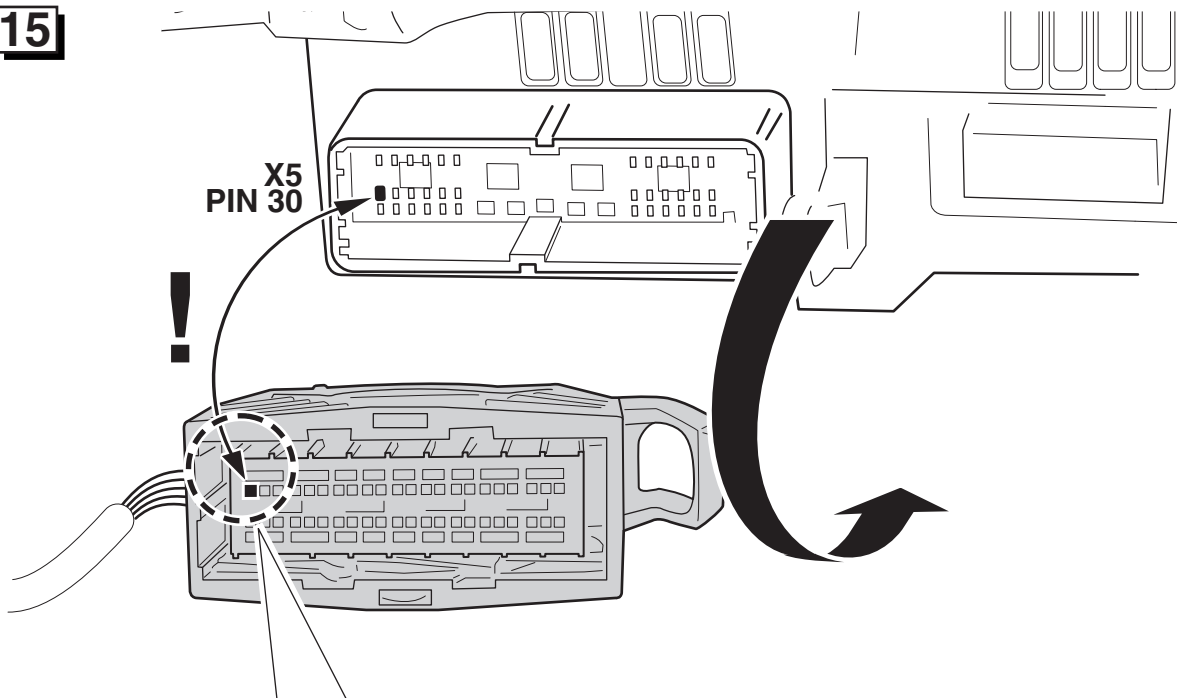
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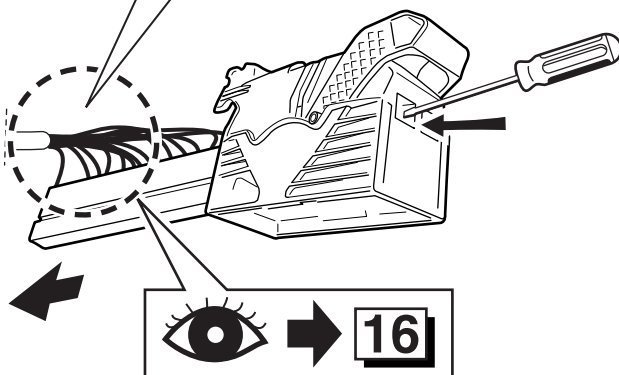
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15

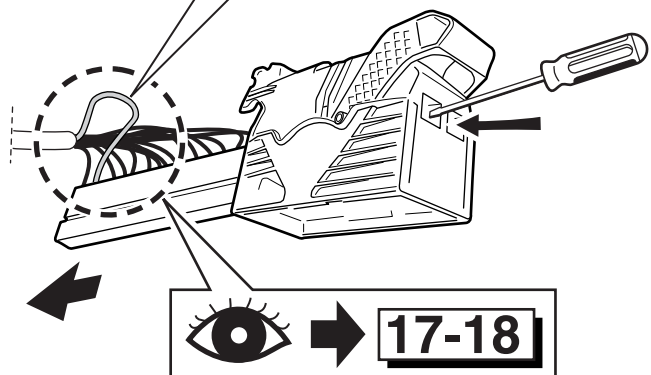


X5
PIN 30: ~~green~~

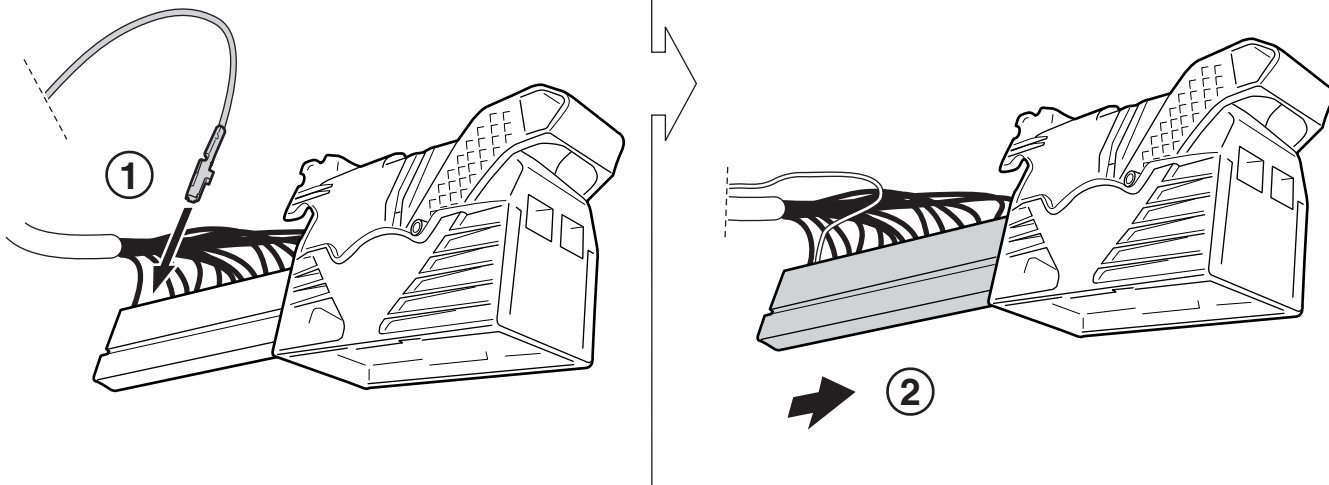


OR

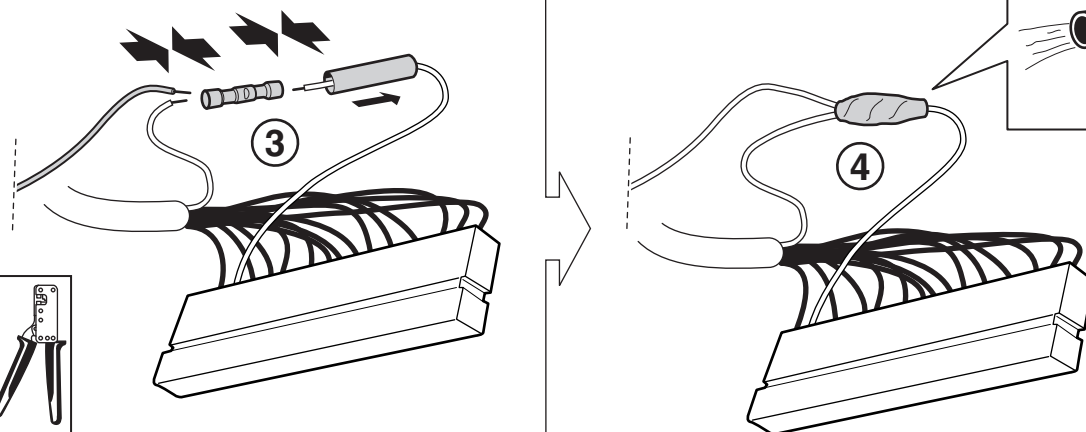
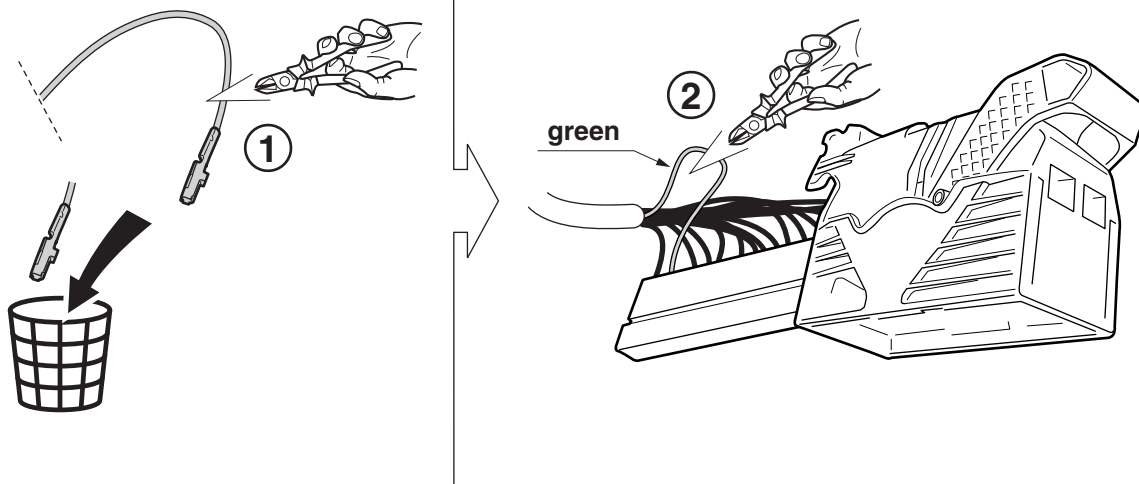
X5
PIN 30: green ✓



16

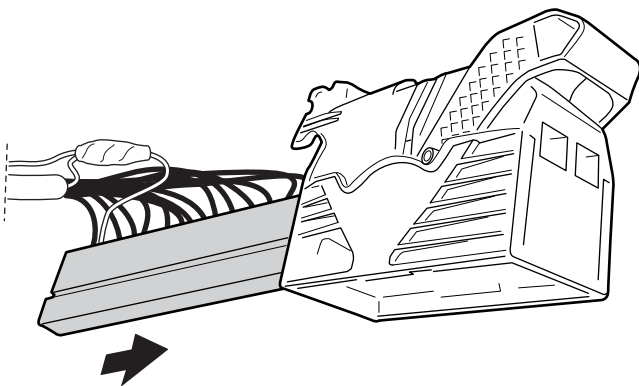


17

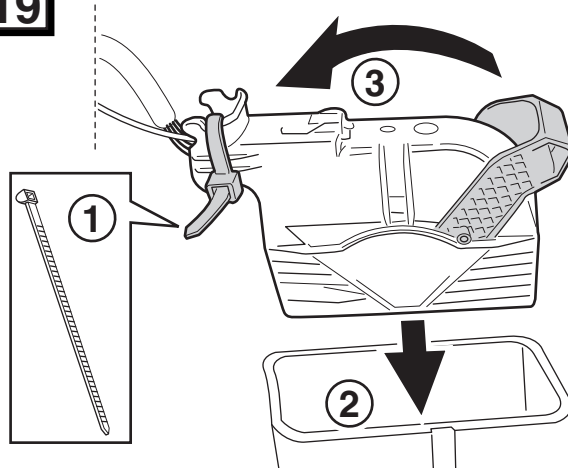


MKM-923

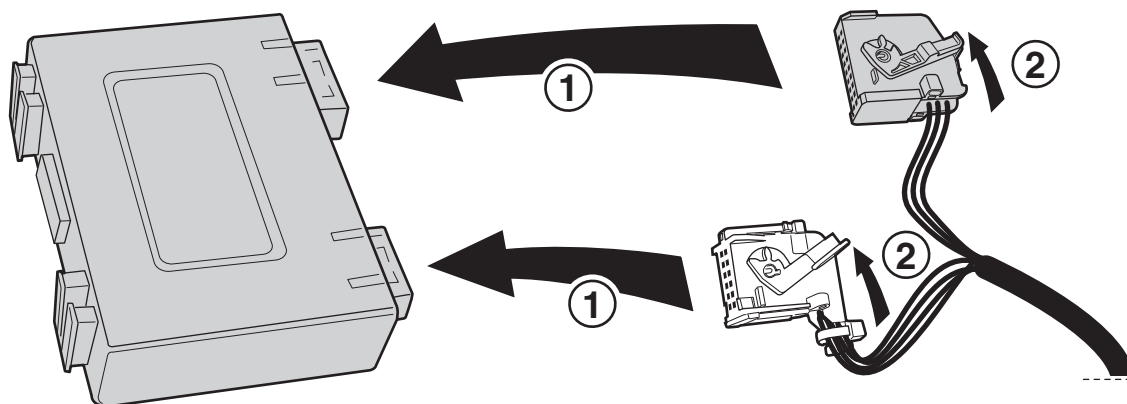
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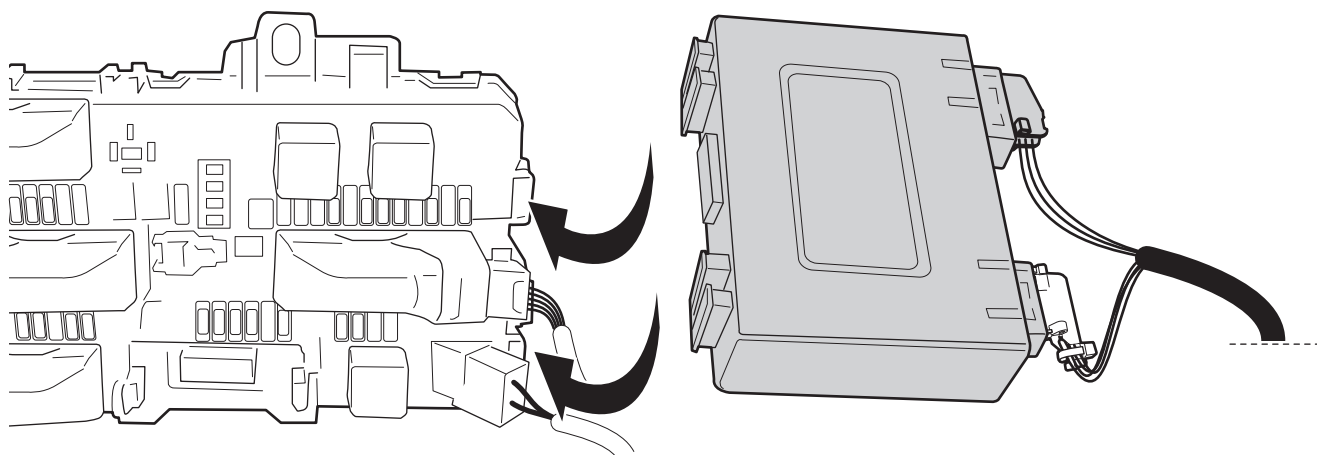
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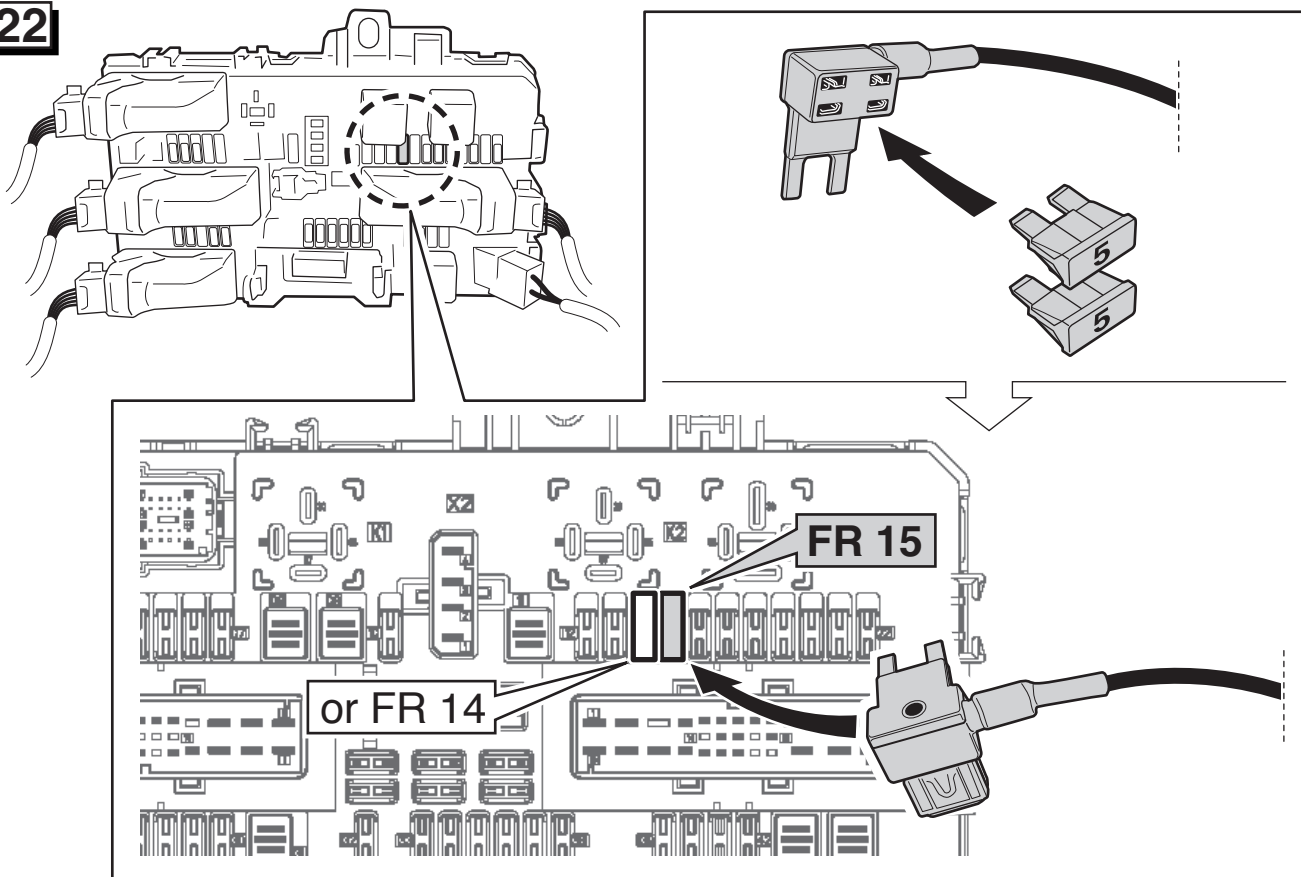
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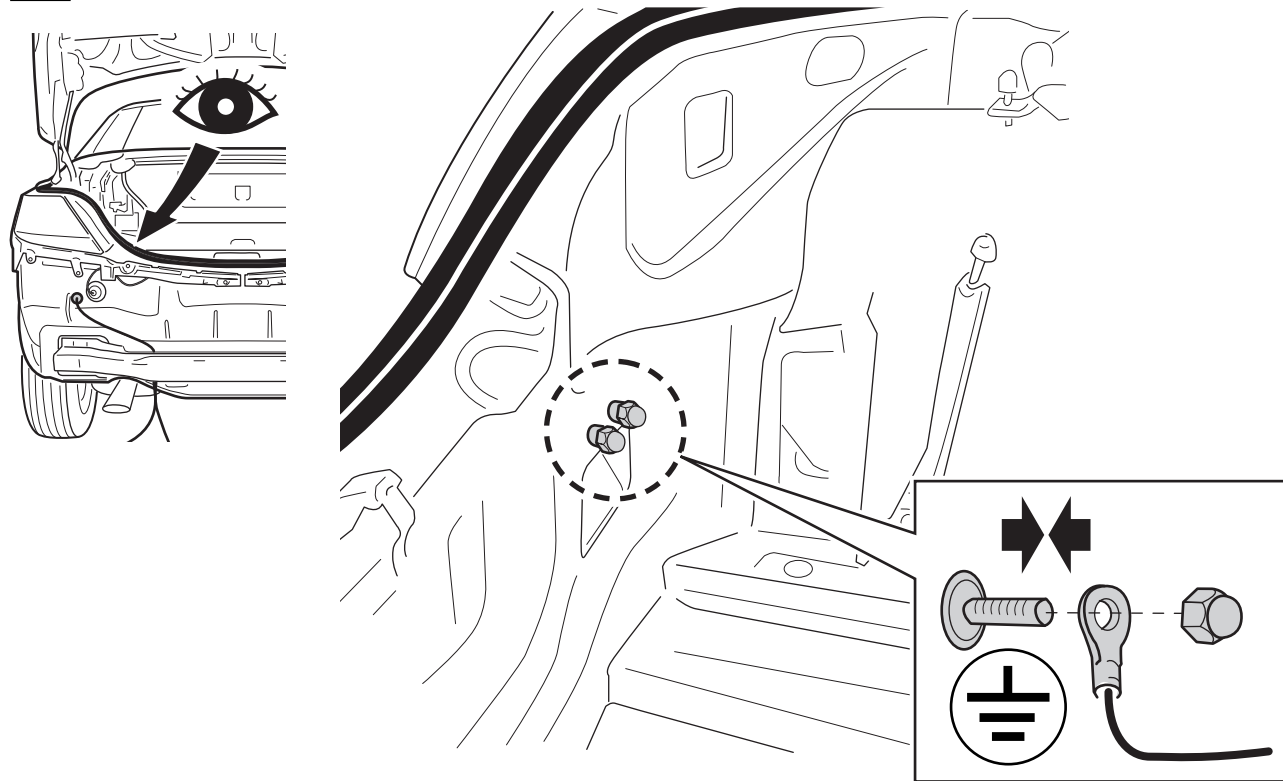
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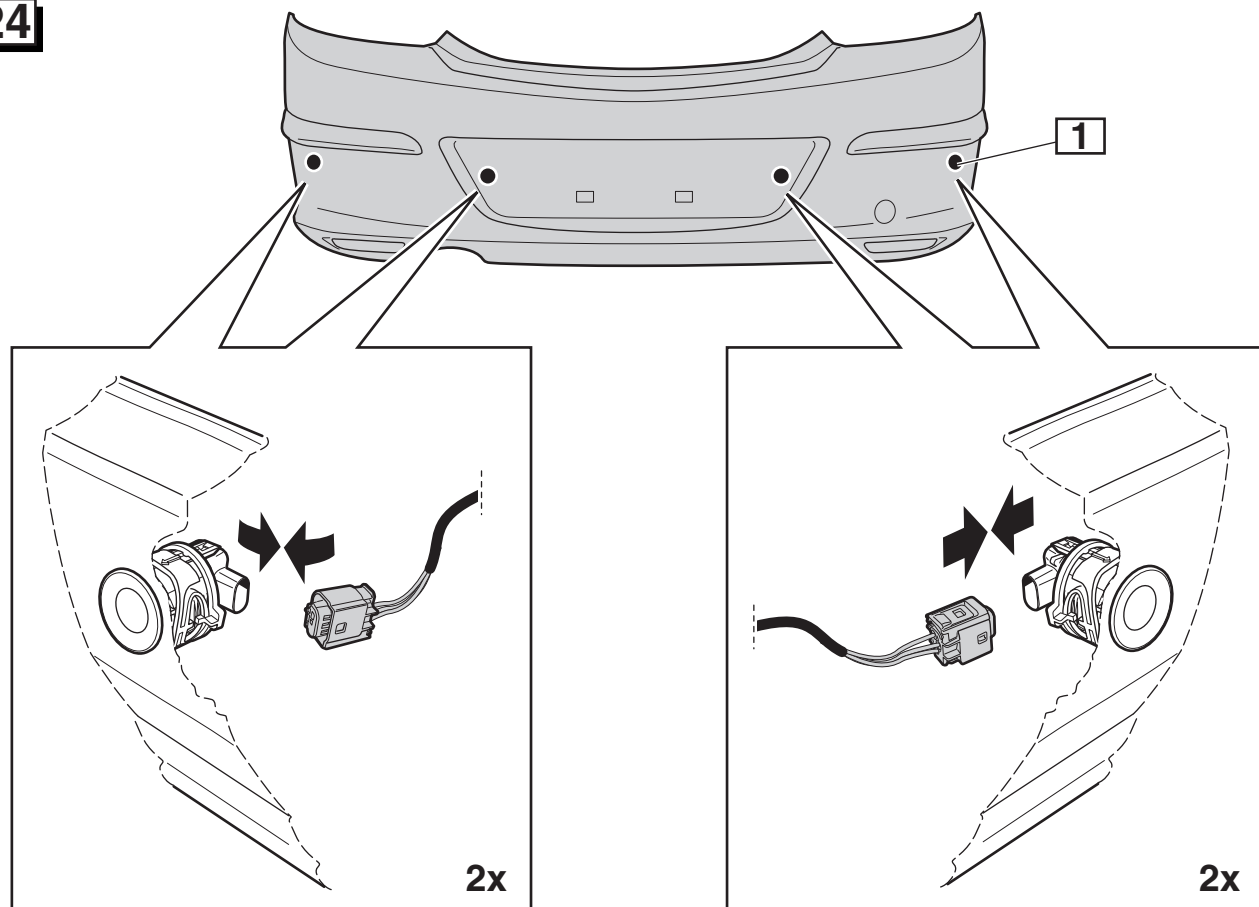
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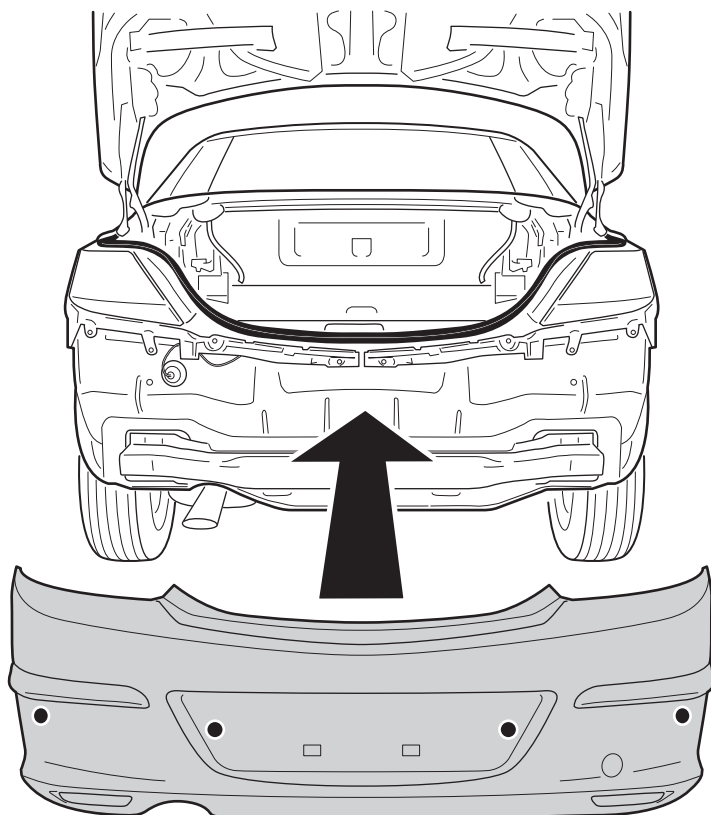
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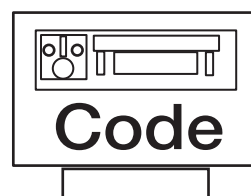
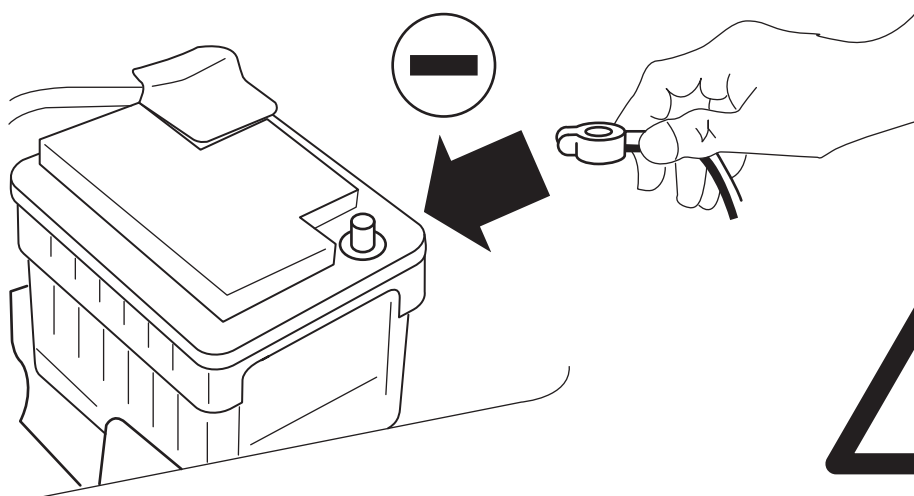
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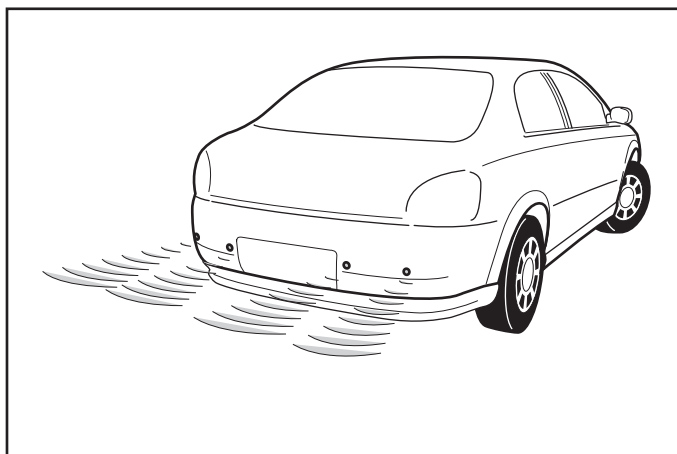
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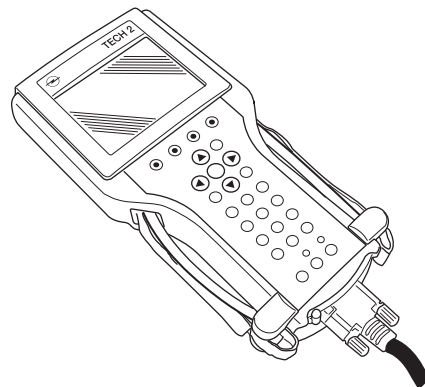
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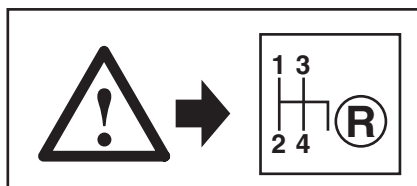
27



service

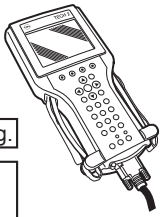


TECH 2



28 Diagnose → Modelljahr → Astra H

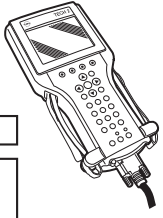
(D)



Fahrzeug → Modul / Steuergeräte Anwesenh. Test → Programmierung Low Speed CAN-Bus Konfig.
 Karosserie → PAS → Progr.Code Index → L67: 23 AT,MTA / 24 MT
 Fahrzeug → Fehlercodes löschen

29 Diagnostics → Model Year → Astra H

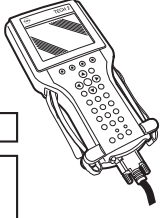
(GB)



Vehicle → Modul / ECU present check → Program Low Speed Bus Configuration
 Body → PAS → Progr.Code Index → L67: 23 AT,MTA / 24 MT
 Vehicle → clear DTCs

30 Diagnostic → Année-modèle → Astra H

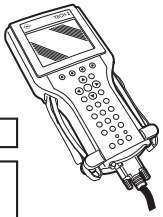
(F)



Véhicule → Module / Contrôle de présence d'ECU → Programmer Config. Bus CAN Basse Vit.
 Carrosserie → PAS → Progr. Index Codes → L67: 23 AT,MTA / 24 MT
 Véhicule → Effacer codes de faut

31 Diagnostiek → Modeljaar → Astra H

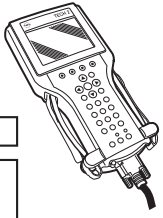
(NL)



Voertuig → Aabwezigheidscontrole module /ECU → Progr. Konfig. af lavhast. CAN-bus
 Carrosserie → PAS → Progr. Kodeindex → L67: 23 AT,MTA / 24 MT
 Voertuig → Storingscodes wissen

32 Diagnosticering → Modelår → Astra H

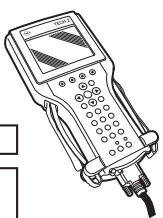
(DK)



Vogn → Modul / ECU installeret, kontrol → Conf. CAN-Bus lage snelh. program.
 Karrosseri → PAS → Code-overzicht programmeren → L67: 23 AT,MTA / 24 MT
 Vogn → siet fejlkoder

33 Diagnose → Årsmodell → Astra H

(N)



Kjøretøy → Modul / ECU tilstedoværelseskontroll → Progr. lavhast. konfig. CAN-Buss
 Carrosserie → PAS → Progr. Codeindeks → L67: 23 AT,MTA / 24 MT
 Kjøretøy → Slett feilkoder

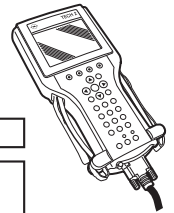
34

Diagnostik

Modellår

Astra H

S



Fordon

Styrenhet /ECU kontaktkontroll

Program. konfigur. CAN-Buss låg hast.

Kaross

PAS

Programmera kodindex

L67: 23 AT,MTA / 24 MT

Fordon

Radera felkoder

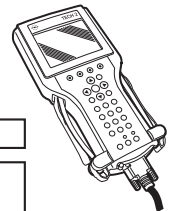
35

Diagnostiikka

Maallivuosi

Astra H

FIN



Ajoneuvo

Moduuli /ECU nykyinen tarkastus

Ohjelmoi hitaan CAN-väylän konfigur.

Kori

PAS

Ohjelmoi koodihakemisto

L67: 23 AT,MTA / 24 MT

Ajoneuvo

Poista DTC:t

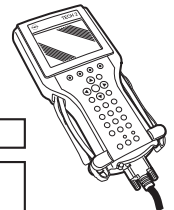
36

Diagnostica

Anno Modello

Astra H

I



Veicolo

Controllo presenza modulo /ECU

Progr. configur. CAN-Bus bassa vel.

Carrozzeria

PAS

Programma indice codice

L67: 23 AT,MTA / 24 MT

Veicolo

Cancella DTC

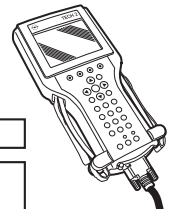
37

Diagnóstico

Año de modelo

Astra H

E



Vehículo

Módulo /ECU, control de presencia

Programar config. bus CAN baja vel.

Carrocería

PAS

Programar índice de códigos

L67: 23 AT,MTA / 24 MT

Vehículo

Fehlercodes löschen

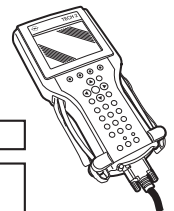
38

Diagnóstico

Modelo do ano

Astra H

P



Veículo

Verificação Existência ECU/ Módulo

Programar config. CAN baixa veloc.

Karosserie

PAS

Programar Índice de Código

L67: 23 AT,MTA / 24 MT

Veículo

Apagar Códigos de Anomalia (DTC)

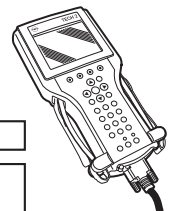
39

Διαγνωστικοί Έλεγχοι

Έτος Μοντέλου

Astra H

GR



Όχημα

Έλεγχος παρουσίας μονάδας /ECU

Προγράμ. η διαμ CAN-Bus σε χαμηλ. ταχ.

Αμάξωμα

PAS

Προγραμμ. κωδικού

L67: 23 AT,MTA / 24 MT

Όχημα

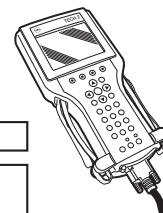
Διαγραφή ΚΒΔΕ

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Diagnostika

Modelovy

Astra H



Vozidlo

Zkontrolovat přítomnost modulu /ECU

Program. konfigur. níz. ot. sbír. CAN

Karosérie

PAS

Naprogramovat index kódů

L67: 23 AT,MTA / 24 MT

Vozidlo

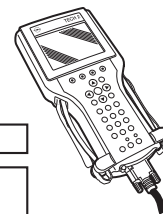
Vymaž kódy závady

41

Diagnostyka

Rok Modelowy

Astra H



Pojazd

Kontrola obecności modułu /ECU

Zaprogr. konf. CAN (ma3a prędk.)

Nadwozie

PAS

Zaprogramować indeks kodów

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Pojazd

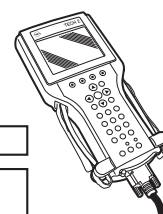
Skasuj Kody DTC

42

Teşhis

Model Yılı

Astra H



Araç

Modül /ECU Kontrolu

Program Düşük Hız CAN-Bus Yapı.

Karoseri

PAS

Program kod endeksi

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Araç

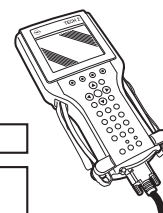
Arıza Kodlarının Silinmesi

43

Diagnosztika

Modellév

Astra H



Gépjármű

Modul /ECU jelenlétének ellenőrzése

Kisebességű CAN-busz konf. prog.

Karosszéria

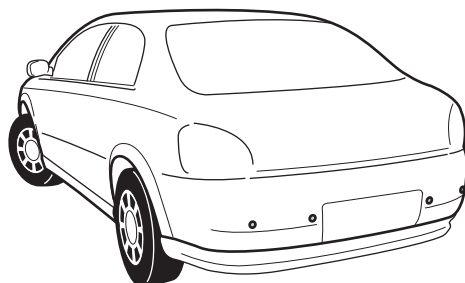
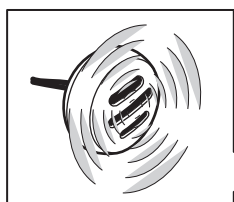
PAS

Kód index programozás

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Gépjármű

Törölje a hibakódokat

44

≤ 1000 mm

Funktionen kontrollieren !

Check functions !