

FITTING INSTRUCTIONS

making everyday smoother



VOLKSWAGEN / FORD CADDY MK5 / TOURNEO CONNECT

VB-FullAir 2C
rear axle

FOR KIT: 1050924200



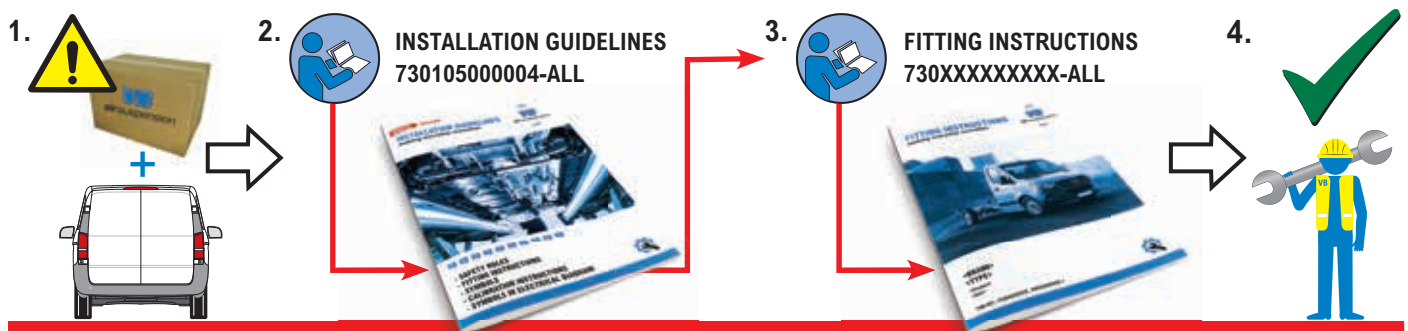
REVISION TABLE

Document number	730105092400		
New revision:	V2.1		Old revision: V2.0
Release date (yyyy-mm-dd):	2024-02-07		
Page (new):	Changes:		
25	Update: step 30		
26	Update: step 32		



TABLE OF CONTENTS

1. Variations / variaties / variationen / Variations	5
2. Fasteners / bevestigingsmateriaal / befestigungsmaterial / matériaux de fixation	7
3. Mounting / montage / montage / montage	8
4. Calibration / kalibratie / kalibrierung / calibrage	38
5. Checklist / Checklist / Checkliste / Check-list	38
6. Electrical diagram / Elektrisch schema / Schaltbild / Schéma électrique	41



Attention: Always read the installation guidelines before you start with the FITTING INSTRUCTIONS and the fitting of the set.
Follow the guidelines prescribed by VB-Airsuspension.



© 2024, VB-Airsuspension B.V.

EN

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the publisher's prior consent. That does also count for the schemes and drawings.

NL

Alle rechten voorbehouden. Niets uit deze uitgaven mag worden verveelvoudigd en/of openbaar gemaakt worden door middel van druk, fotokopie, microfilm of op welke andere wijze dan ook, zonder voorafgaande schriftelijke toestemming van VB-Airsuspension B.V. Dit geldt ook voor de bijbehorende tekeningen en schema's.

DE

Alle Rechte vorbehalten. Vervielfältigung und/oder Veröffentlichung durch Nachdruck, Fotokopie, Mikrofilm oder auf jede andere Art – auch auszugsweise – ohne vorherige schriftliche Genehmigung von VB Airsuspension ist nicht zulässig. Dies gilt auch für die zugehörigen Zeichnungen und Pläne.

FR

Reproduction interdite. Toute reproduction, tout enregistrement dans une base de données ou toute transmission sous toute forme ou par tout moyen : électronique, mécanique, photocopie, enregistrement ou autre, de tout ou partie de cette publication, est formellement interdit(e) sans l'autorisation préalable de VB-Airsuspension B.V. Ceci est aussi valable pour les dessins et les schémas.

1. VARIATIONS / VARIATIES / VARIATIONEN / VARIATIONS



* Wheelchair Accessible Vehicles / Kraftfahrzeuge zur Beförderung Mobilitätsbehinderter Personen



1.



* Wheelchair Accessible Vehicles / Kraftfahrzeuge zur Beförderung Mobilitätsbehinderter Personen

2.



INSTALLATION GUIDELINES
73010500004-ALL



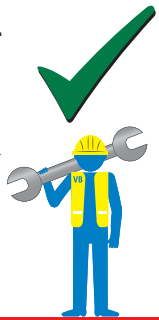
3.



FITTING INSTRUCTIONS
730XXXXXXX-ALL



4.



Attention: Always read the installation guidelines before you start with the FITTING INSTRUCTIONS and the fitting of the set. Follow the guidelines prescribed by VB-Airsuspension.



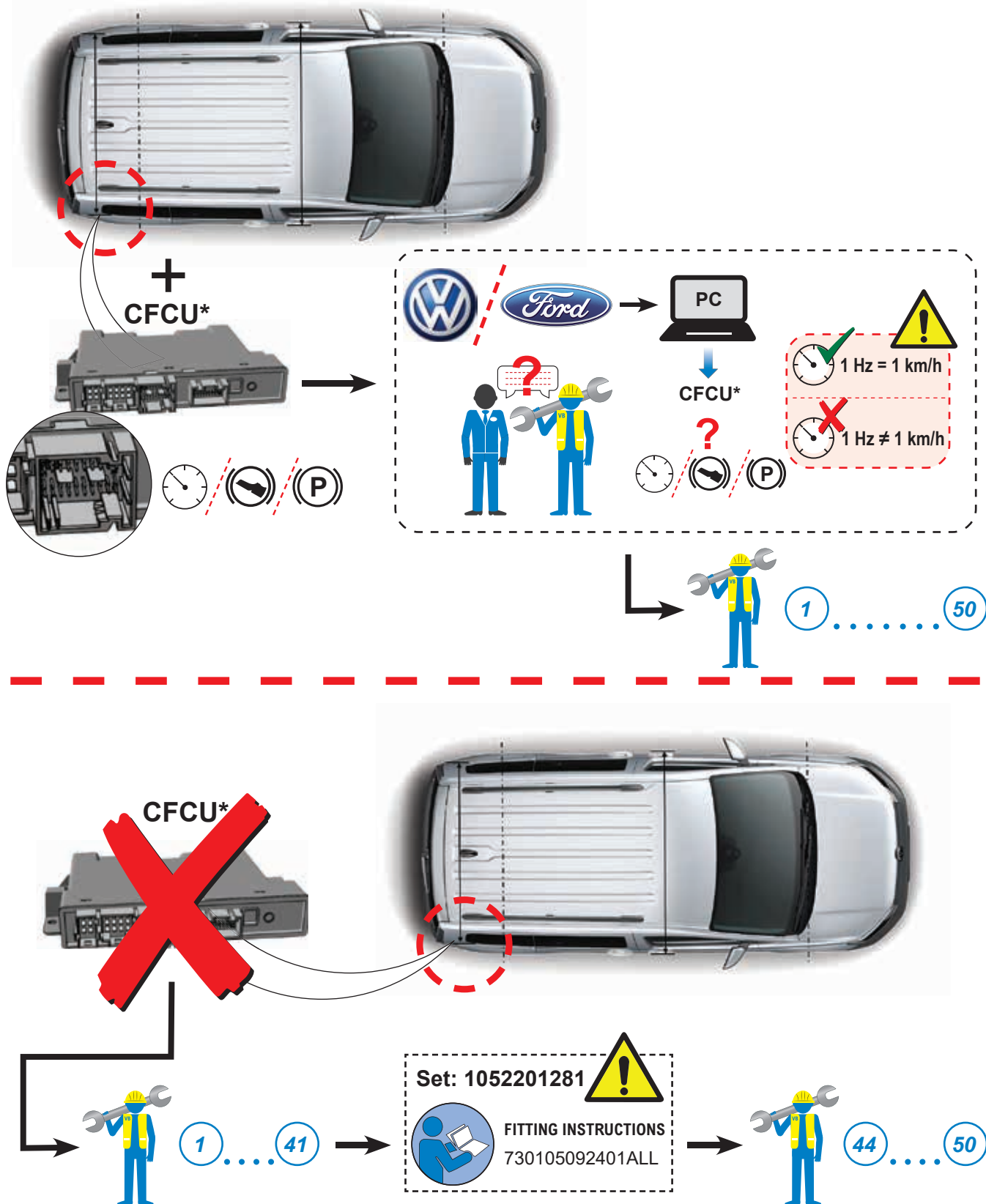
For vehicles with a CFCU* module, the speed / brake / handbrake - signal must be programmed in advance by an authorized body.

Bij voertuigen met een CFCU* module, dienen het snelheids / rem / handrem signaal vooraf door een geautoriseerde instantie geprogrammeerd te worden.

Bei Fahrzeugen mit CFCU*-Modul müssen das Geschwindigkeits / Brems / Handbremse signal vorab von einer autorisierten Stelle programmiert werden.

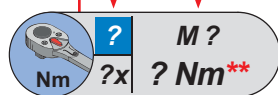
Pour les véhicules avec un Module CFCU*, la vitesse / frein / frein à main - signal doit être programmé à l'avance par un organisme autorisé.

* CFCU, customer-specific functional control unit



2. FASTENERS / BEVESTIGINGSMATERIAAL / BEFESTIGUNGSMATERIAL / MATÉRIAUX DE FIXATION

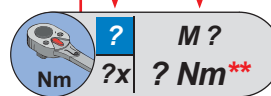
ALL				
Nr.	Article number	Qty	Product Name	Nm
1	0010105010AA	4	 Bolt M5x10 8.8	6 Nm
2	0010708020CH	2	 Flange bolt M8x20 10.9	30 Nm
3	0010708025CA	1	 Flange bolt M8x25 10.9	30 Nm
4	0010710025CA	3	 Flange bolt M10x25 10.9	45 Nm
5	0010712025CA	3	 Flange bolt M12x25 10.9	100 Nm
6	0011106001AB	6	 Flange nut M6 8.8	8 NM
7	0011110000CA	1	 Flange nut M10 10.9	45 Nm
8	0011205000AA	4	 Washer M5 300HV	-
9	0012908002	2	 Blind rivet nut M8	-
10	1452021004	2	 Screw Ø8x26mm	12 Nm
11	1452251003	1	 Air coupling	-
12	1452251004A	1	 Air coupling M22 x M10x1	-
13	0012606016AA	2	 Round head screw M6x16 10.9 flange	8 Nm
14	0013004010	2	 Blind rivet Ø4	-
15	1052131254	1	 Nut plate M8	30 Nm
	0011108000AA	1	 Flange nut M8 8.8 Tensilock	30 Nm



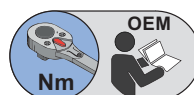
****** Do not tighten the bolts yet. Tighten as soon as the vehicle is at driving height as indicated in this manual.

ALL				
Nr.	Article number	Qty	Product Name	Nm
16	0010712090SP	2	 Flange bolt M12x90x1.5 10.9 (OEM)	
17	0010712075SP	2	 Flange bolt M12x75x1.5 (OEM)	
18	0010714085SP	2	 Flange bolt M14x85x1.5 10.9 (OEM)	
19	0011112004SP	4	 Flange nut M12x1.5 10.9 (OEM)	
20	0011214007SP	2	 Washer M14xØ30x0,5 (OEM)	

1052351146				
Nr.	Article number	Qty	Product Name	Nm
21	0011114007SP	1	 Flange nut M14x1.5 (OEM)	
22	0013308060DH	2	 Flange bolt internal torx M8x60 10.9 (OEM)	
23	0013308022DH	2	 Flange bolt internal torx M8x22 10.9 (OEM)	
24	0010712090SP	1	 Flange bolt M12x90x1.5 10.9 (OEM)	
25	0010714085SP	2	 Flange bolt M14x85x1.5 10.9 (OEM)	
26	0011112004SP	2	 Flange nut M12x1.5 10.9 (OEM)	
27	0011214008SP	2	 Washer M14x1,5 (OEM)	



****** Do not tighten the bolts yet. Tighten as soon as the vehicle is at driving height as indicated in this manual.



When the original nuts and bolts are used / reused, follow the guidelines of the vehicle manufacturer for the correct tightening torque.

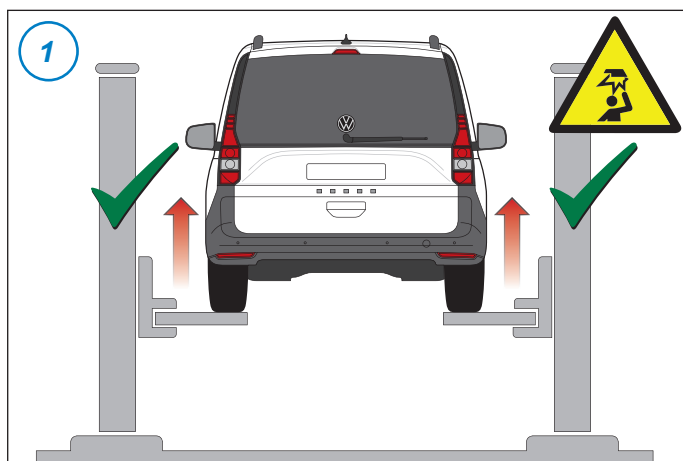
CALIBRATION SUPPORT



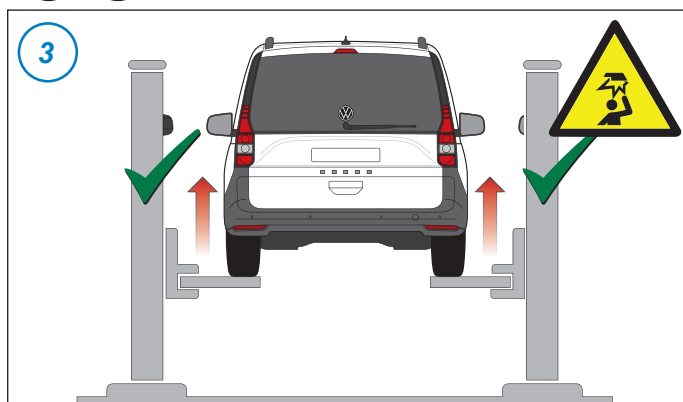
Axle:	rear
Height:	226
Order Nr:	0090060028

3. MOUNTING / MONTAGE / MONTAGE / MONTAGE

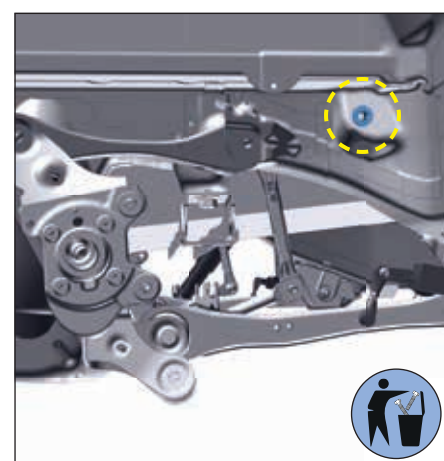
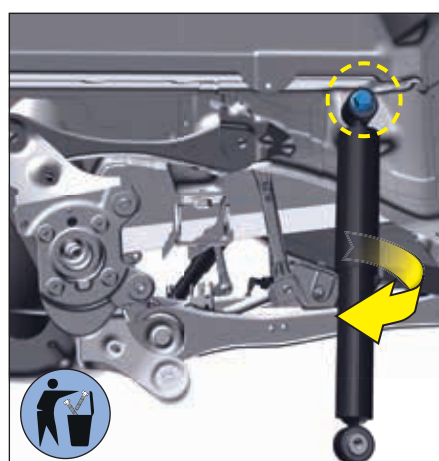
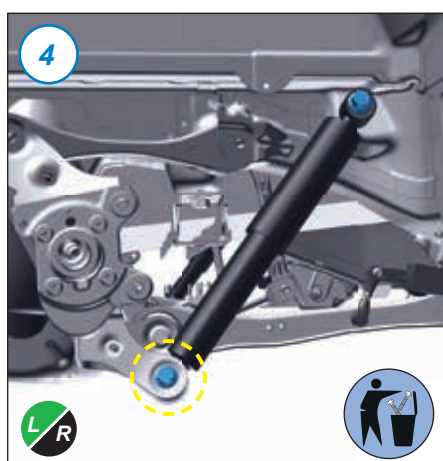
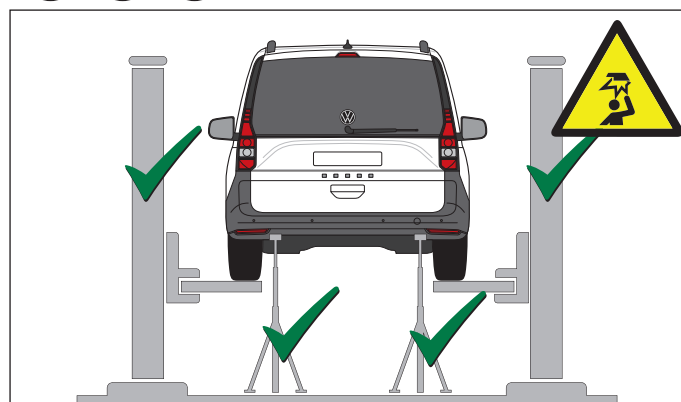
A



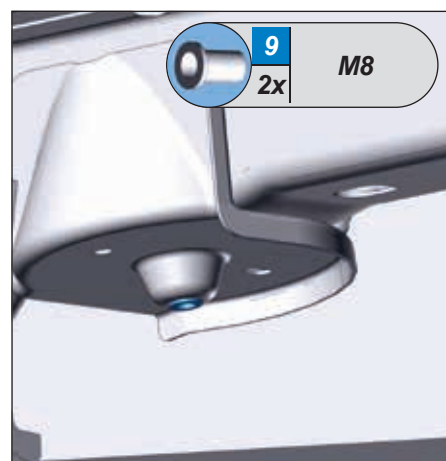
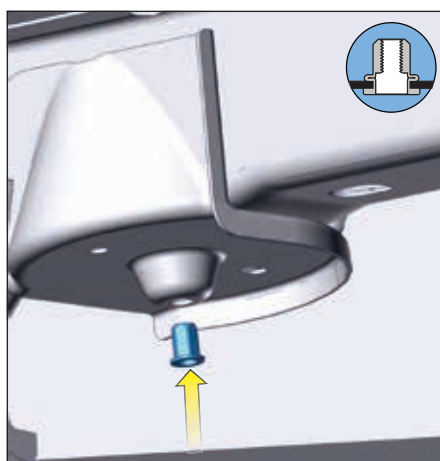
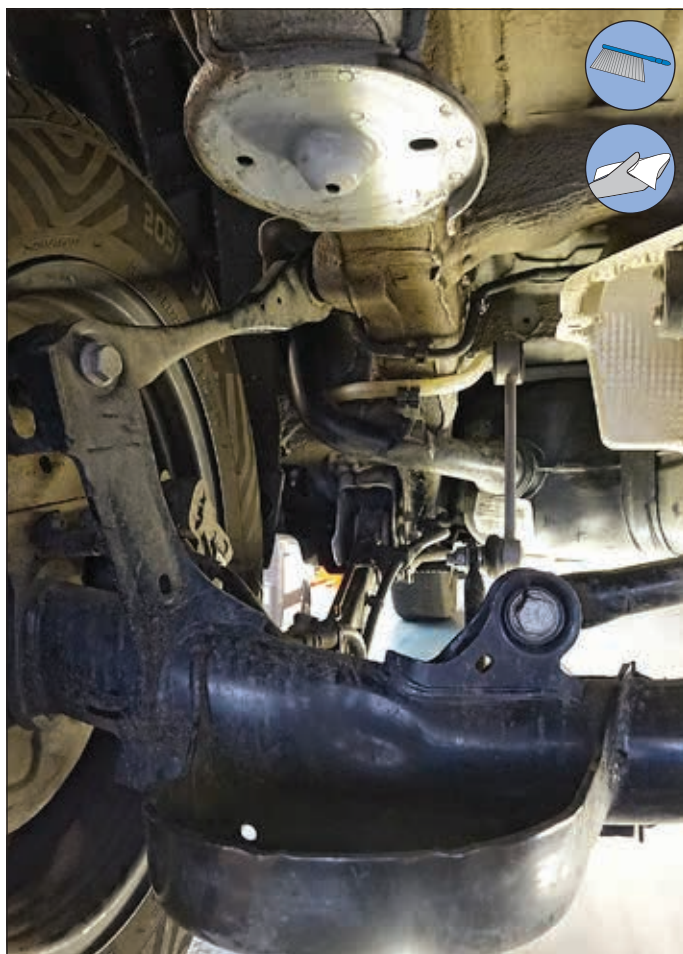
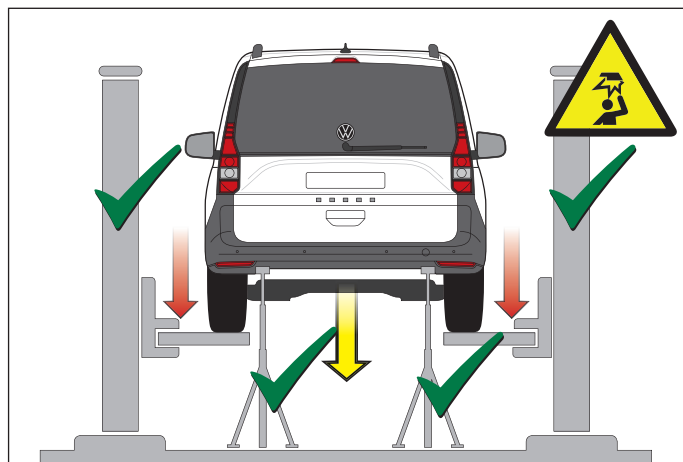
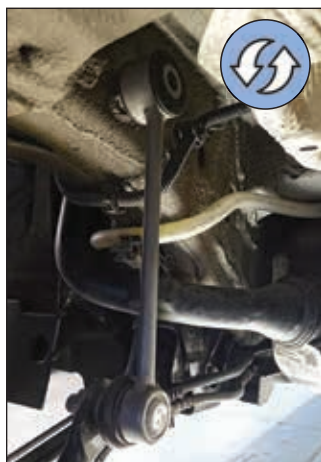
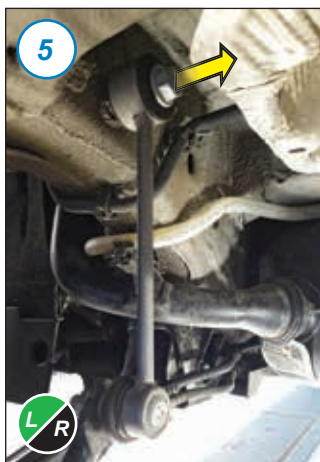
B C



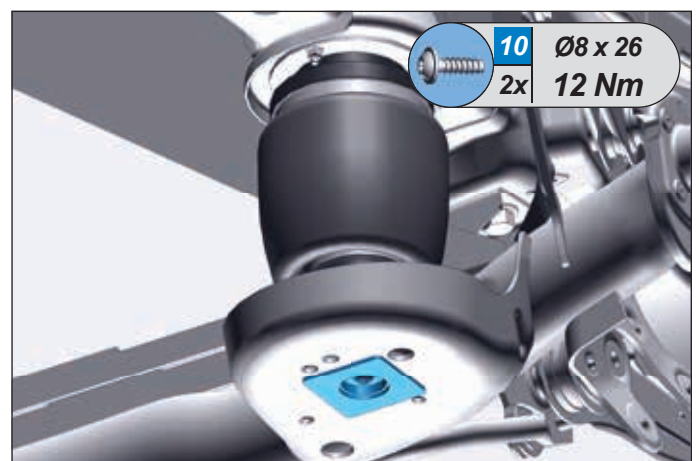
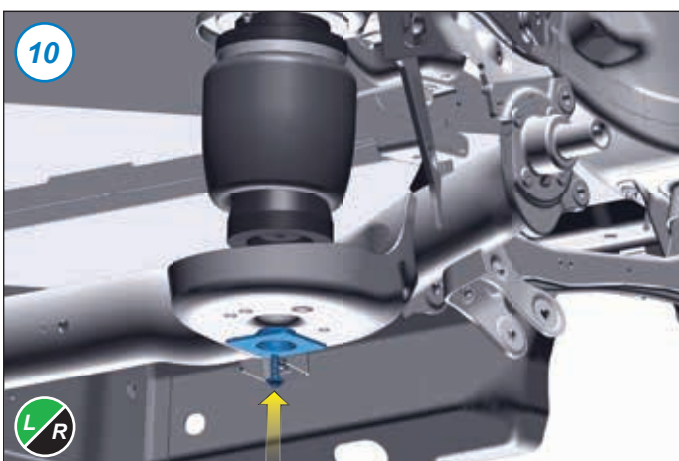
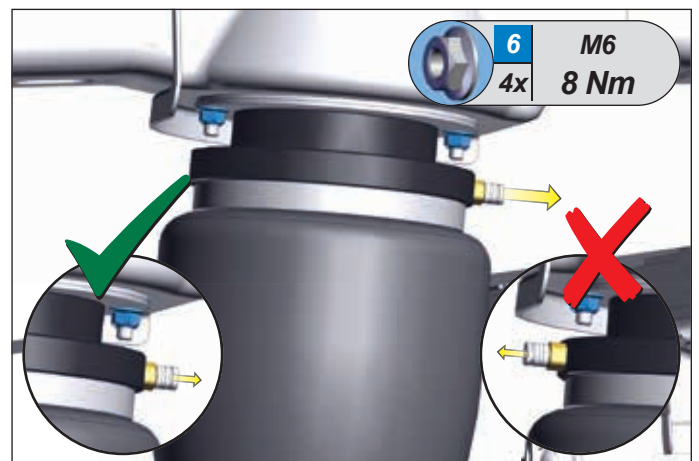
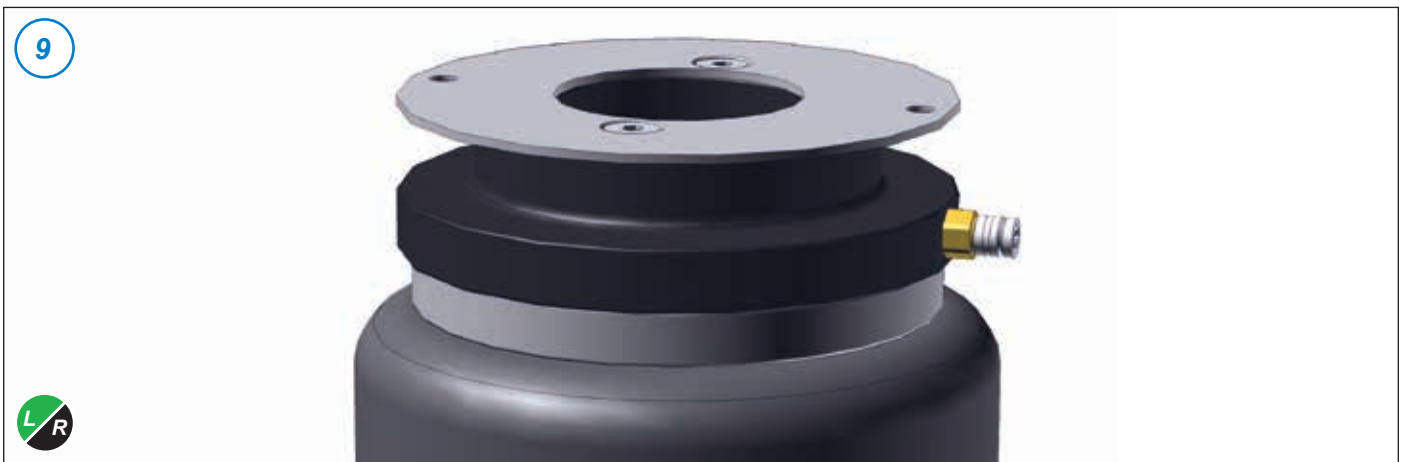
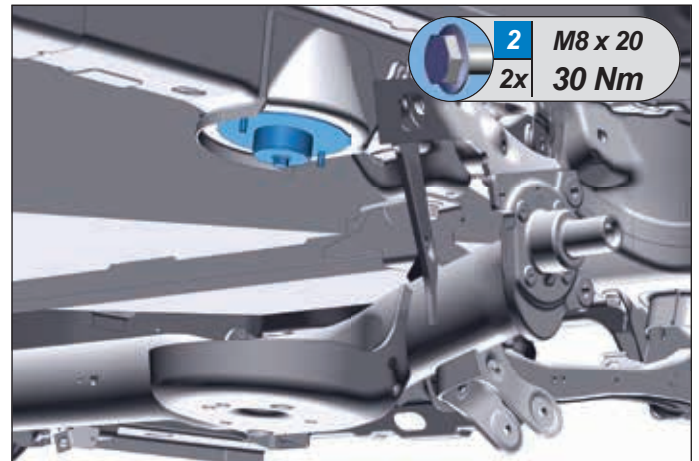
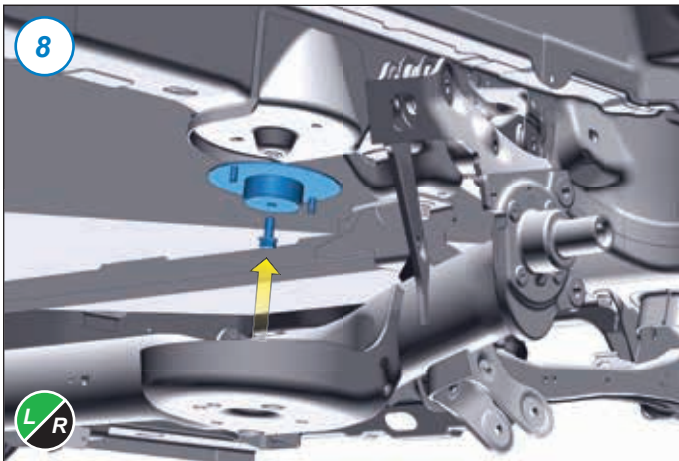
A B C



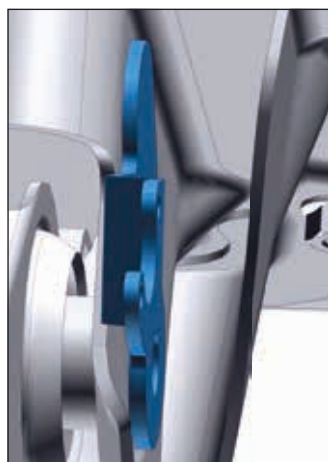
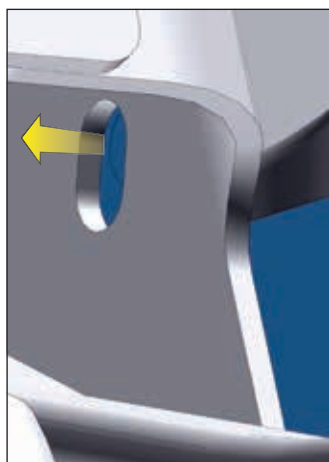
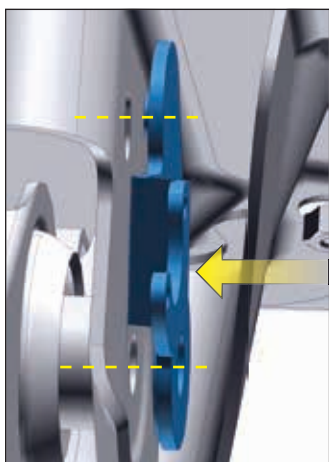
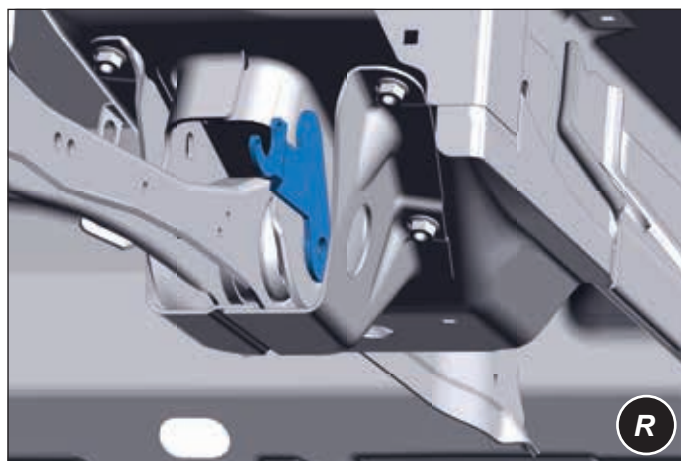
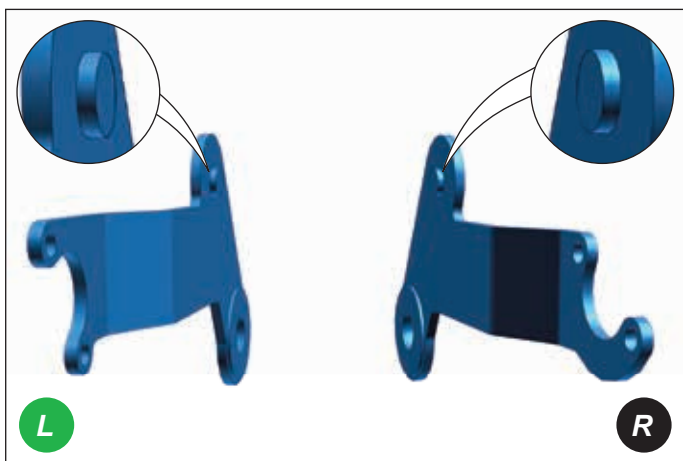
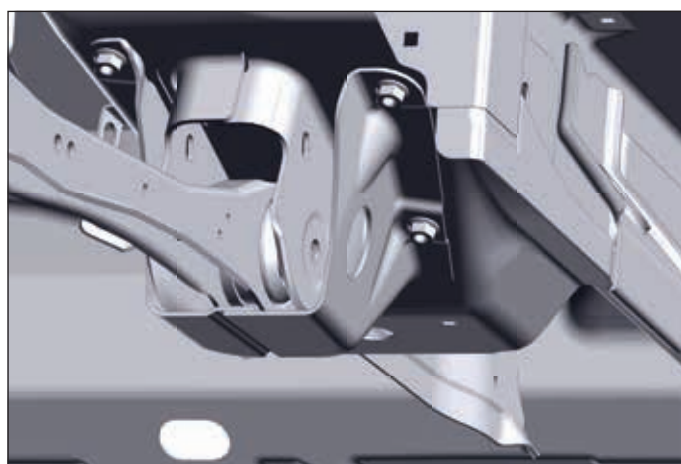
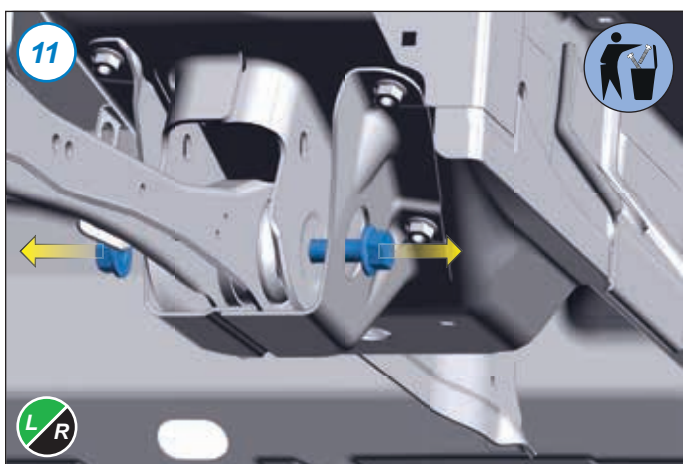
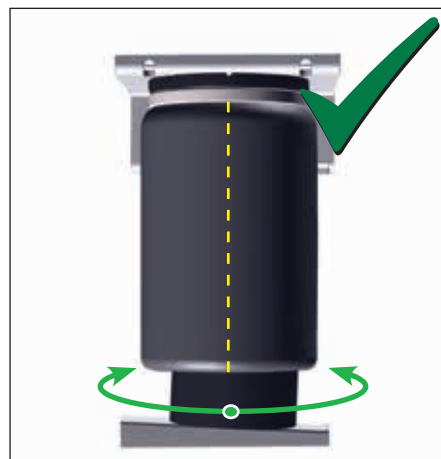
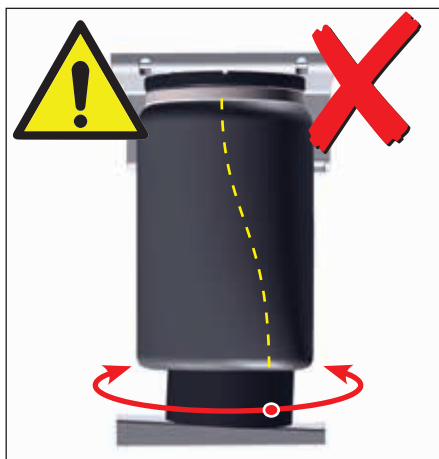
A B C



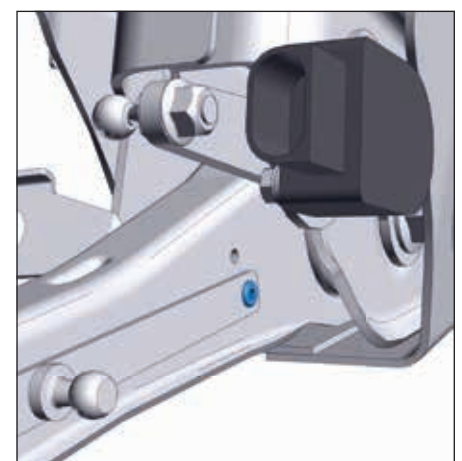
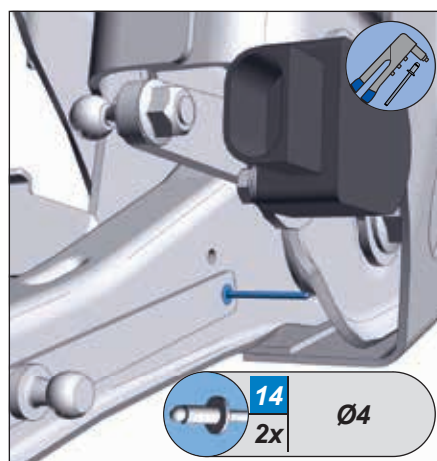
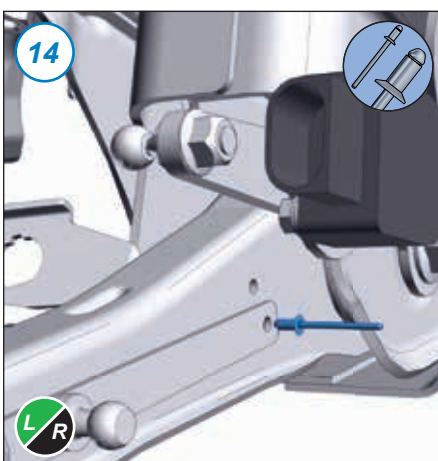
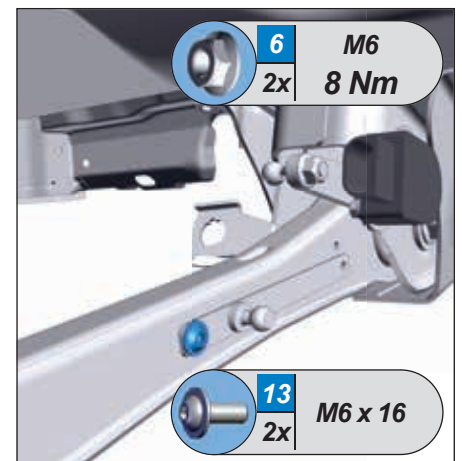
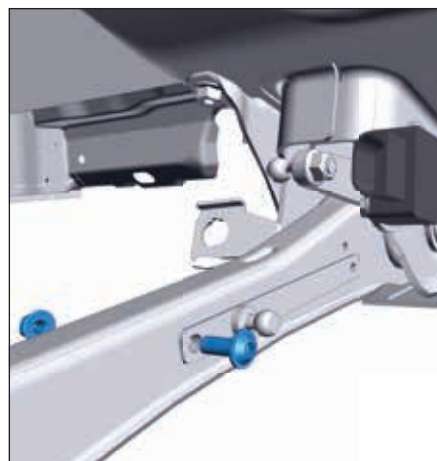
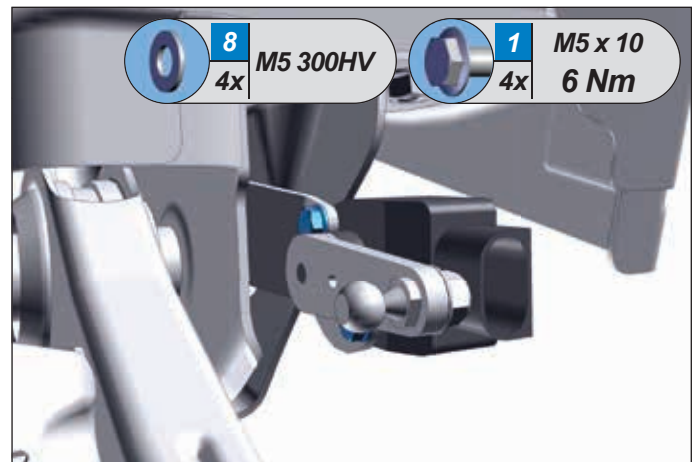
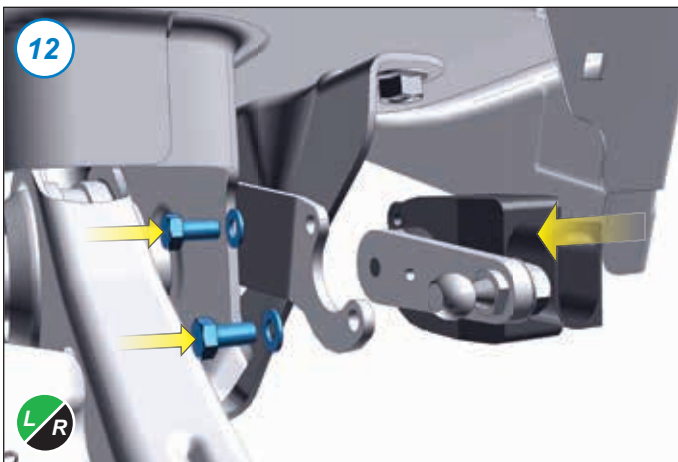
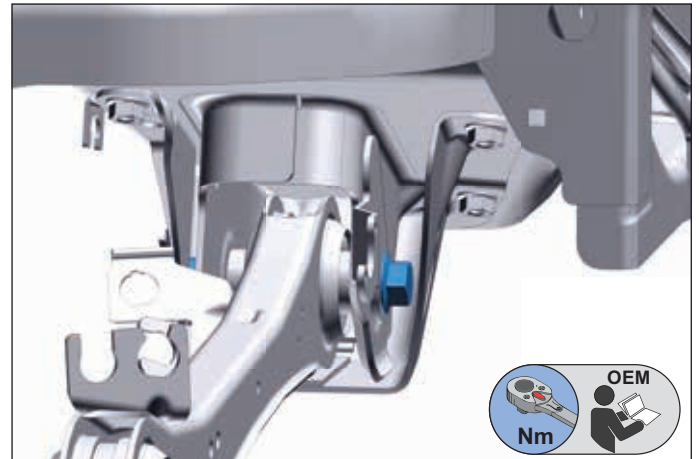
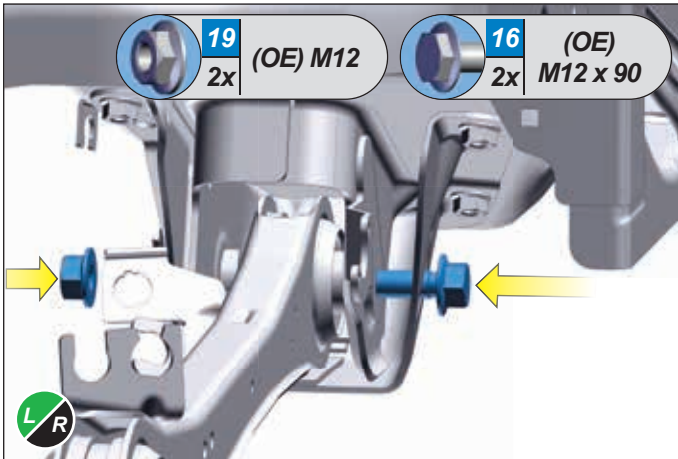
A **B** **C**



A B C



A **B** **C**

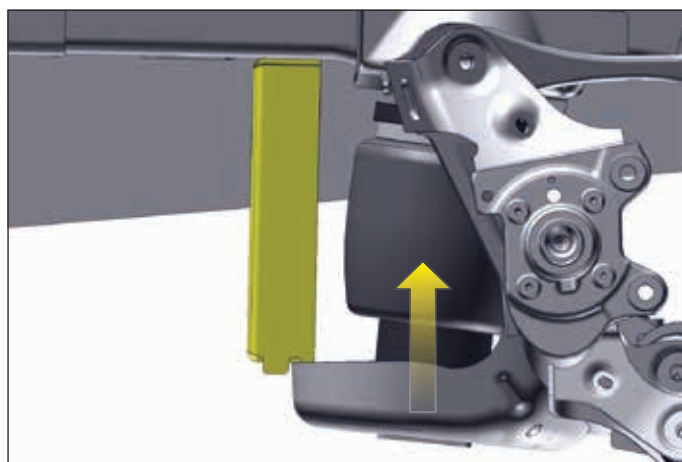
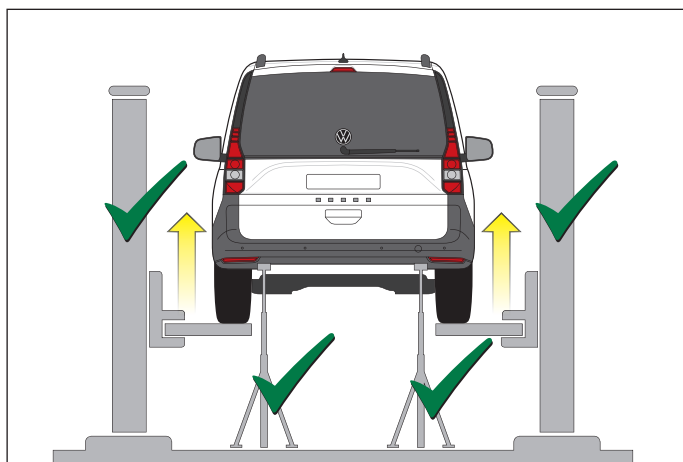
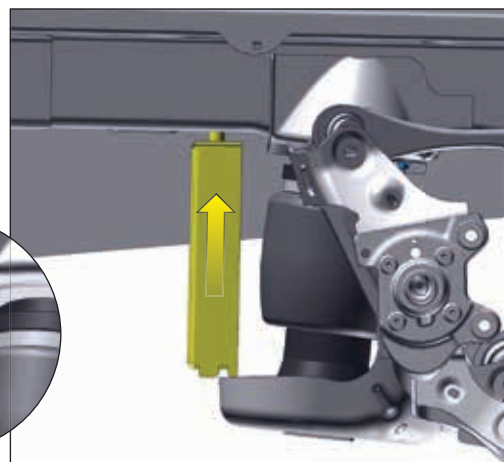
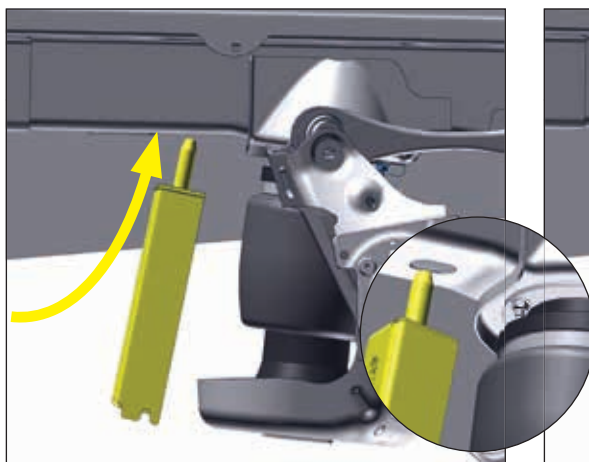


A B C

15

Axle:	rear
Height:	226
Order Nr	0090060028

L/R



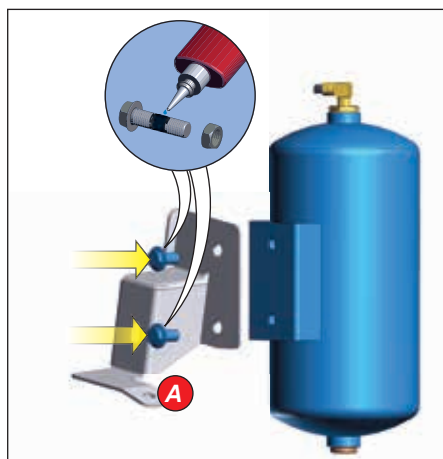
16



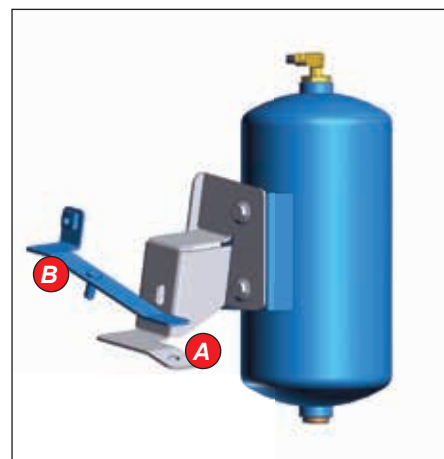
12 M22 x 1.5
1x 30 Nm



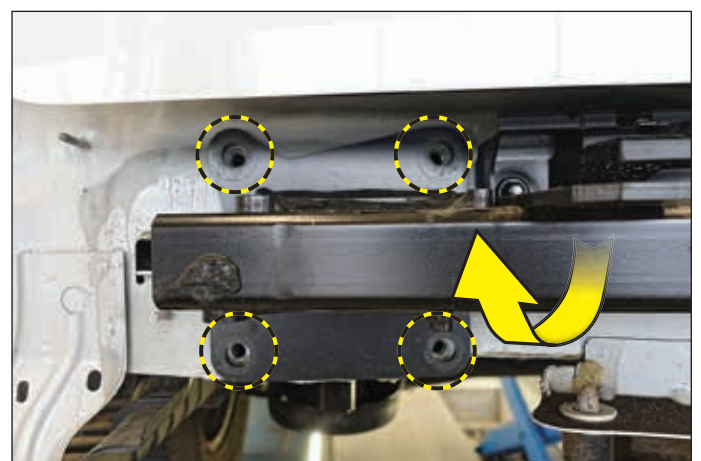
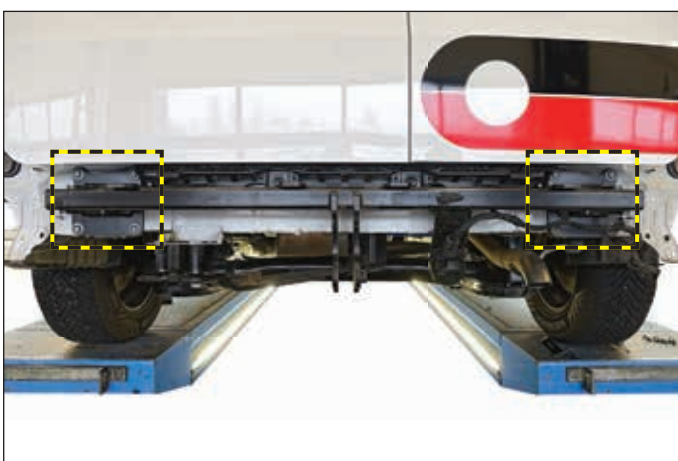
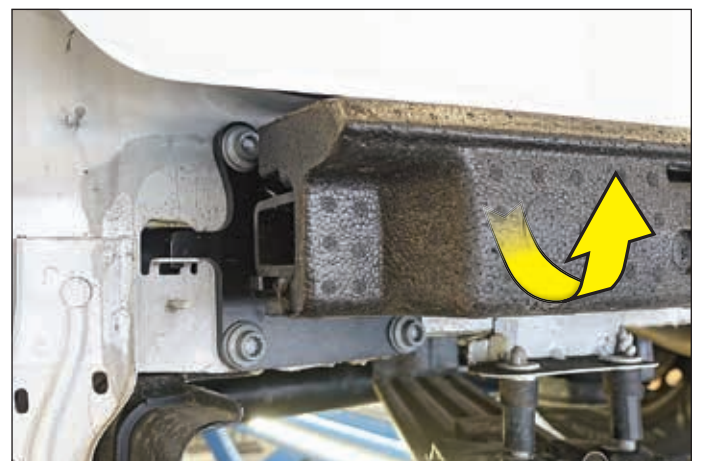
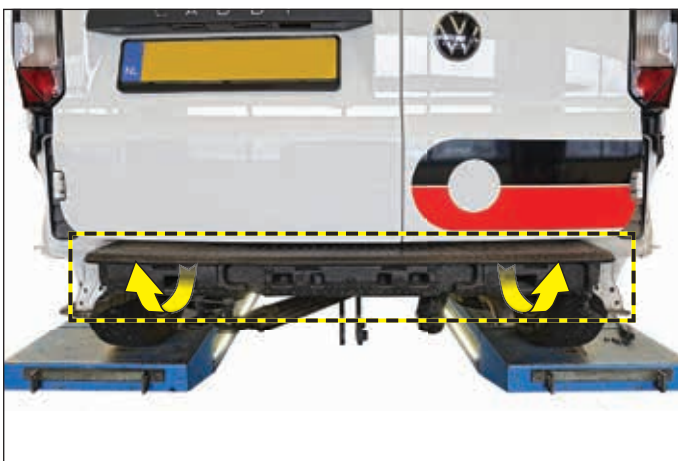
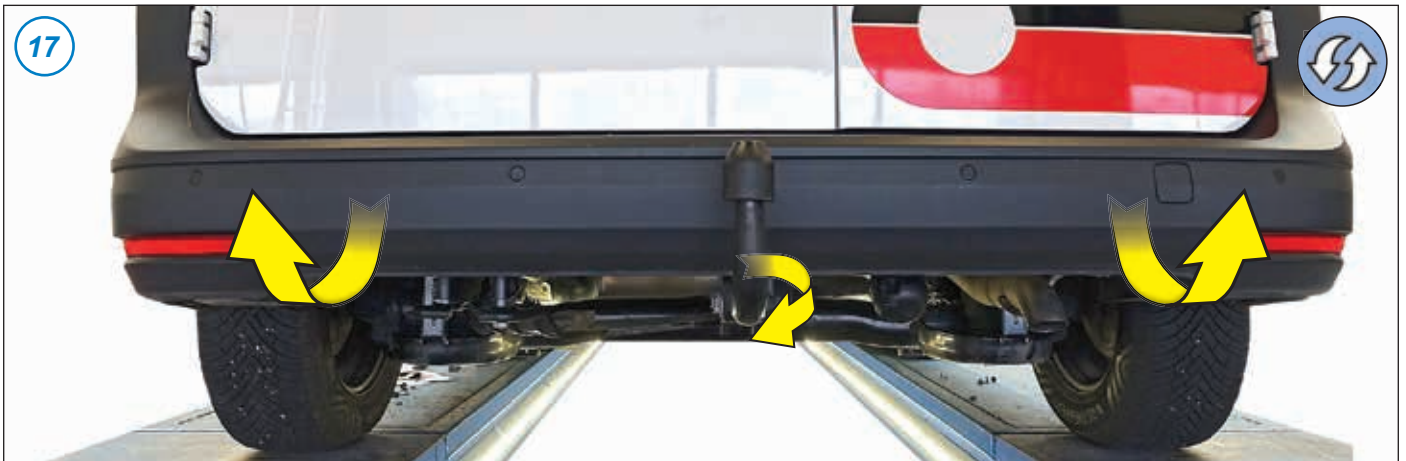
11 M10 x 1
1x 5 Nm



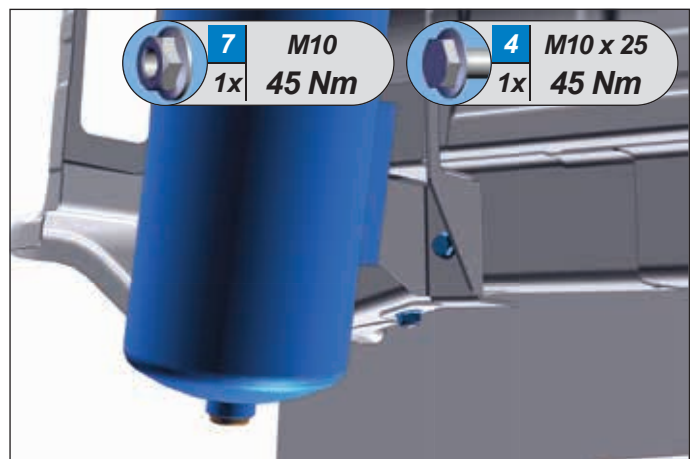
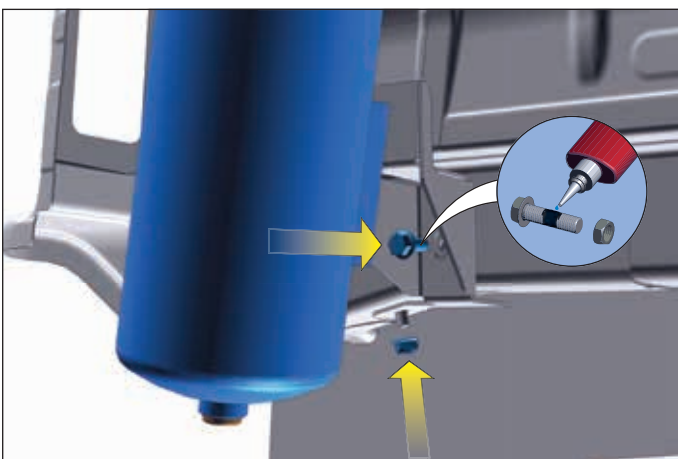
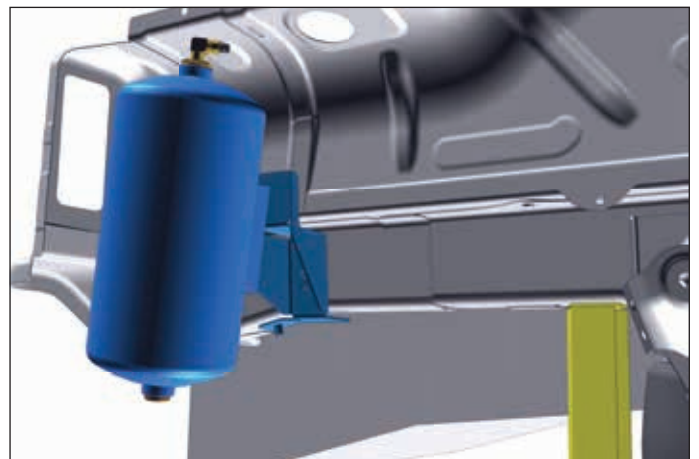
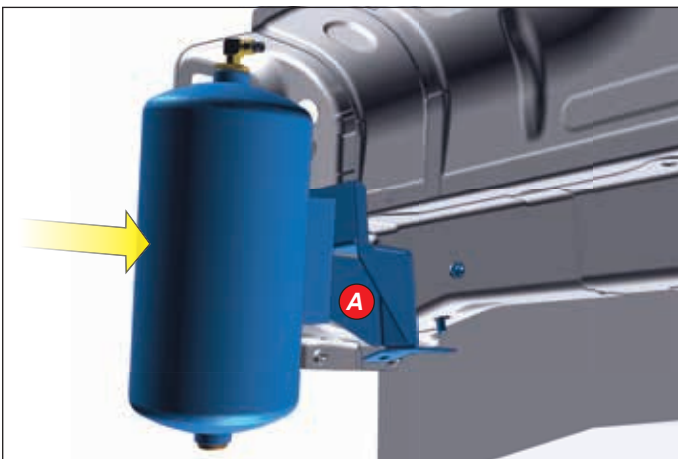
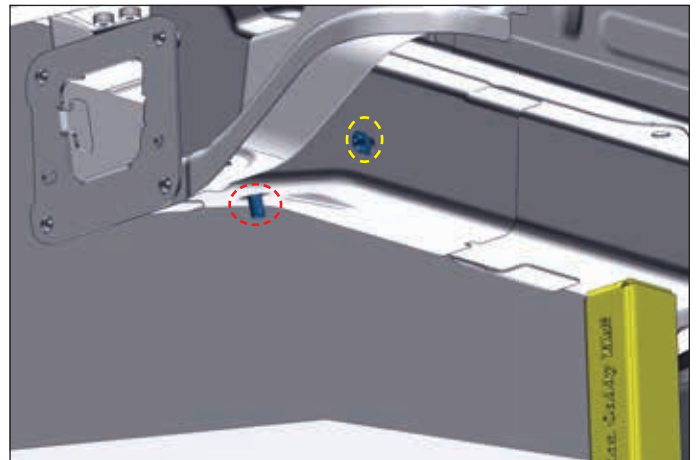
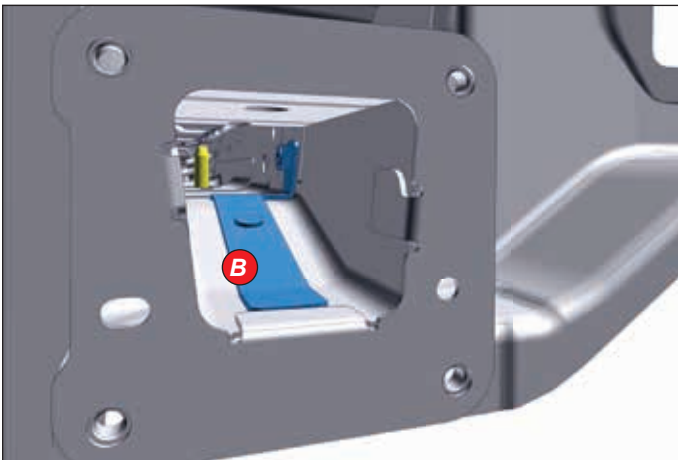
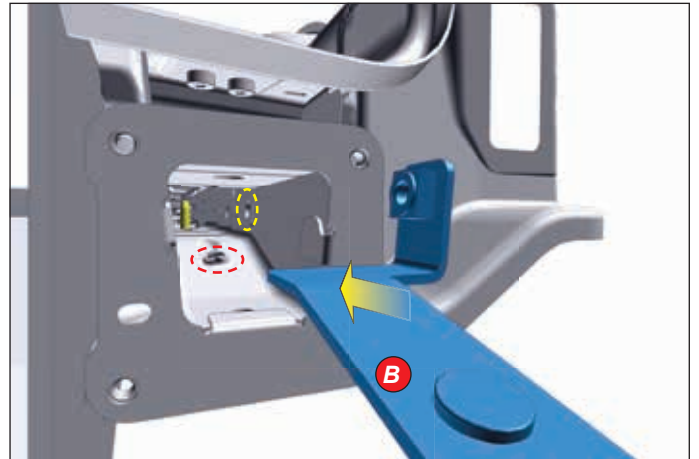
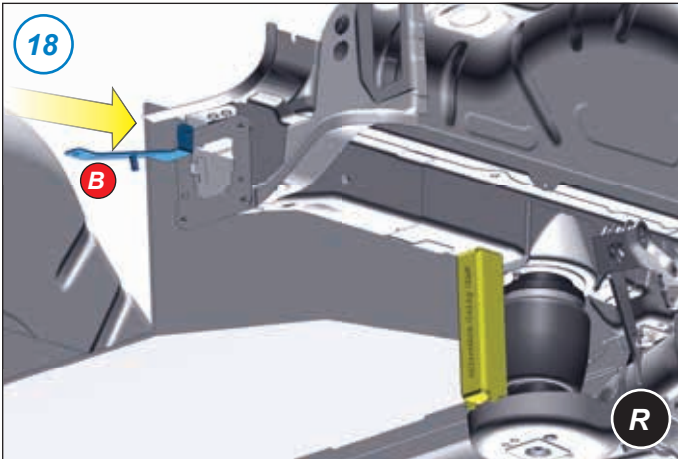
5 M12 x 25
2x 100 Nm



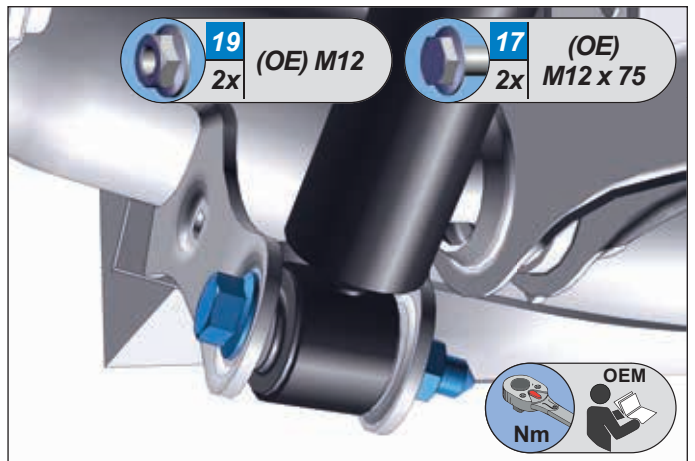
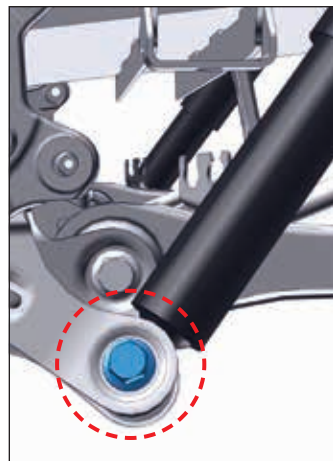
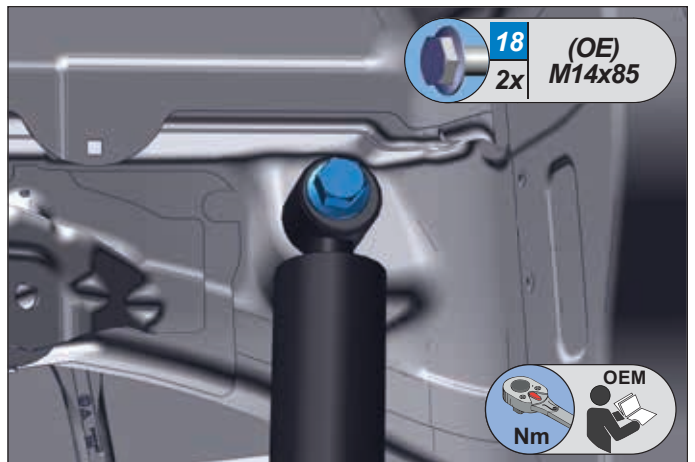
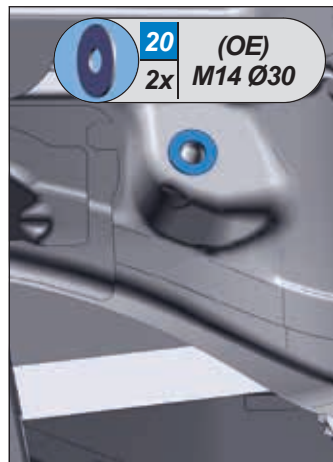
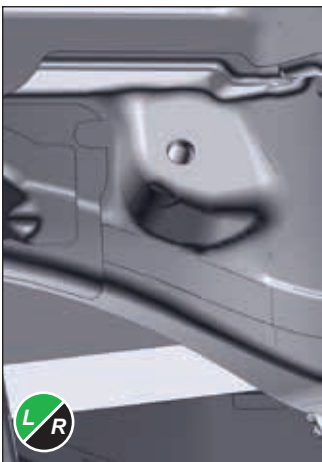
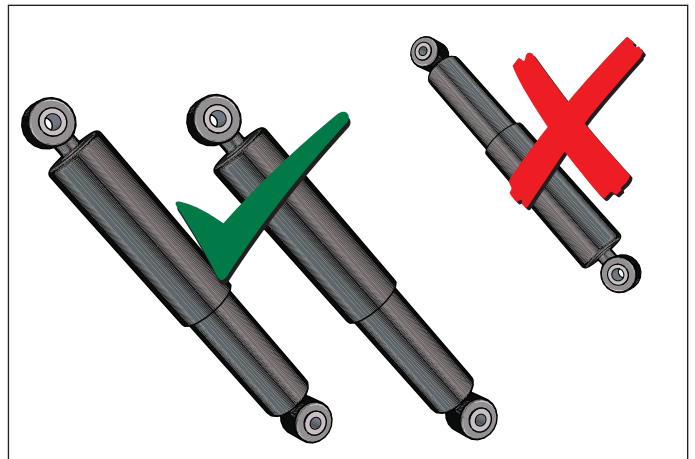
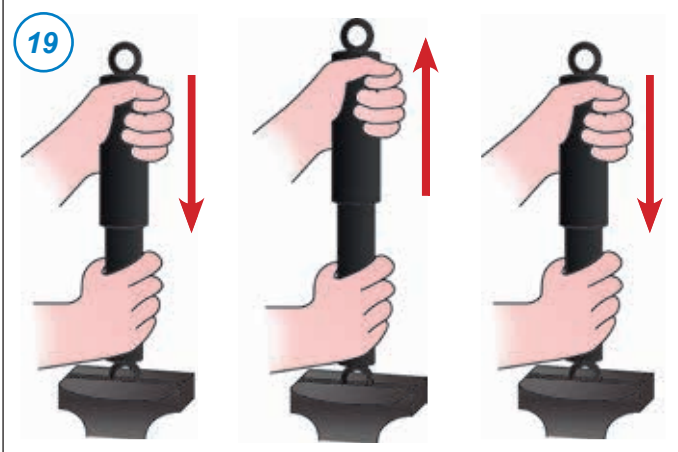
17



A **B** **C**



A **B** **C**



C



19 → **20**

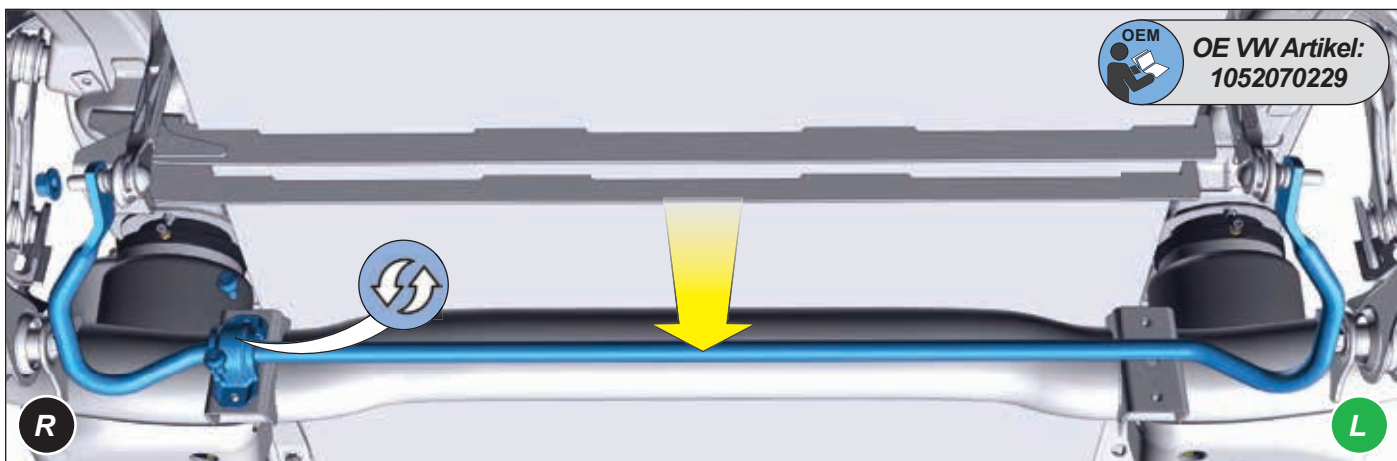
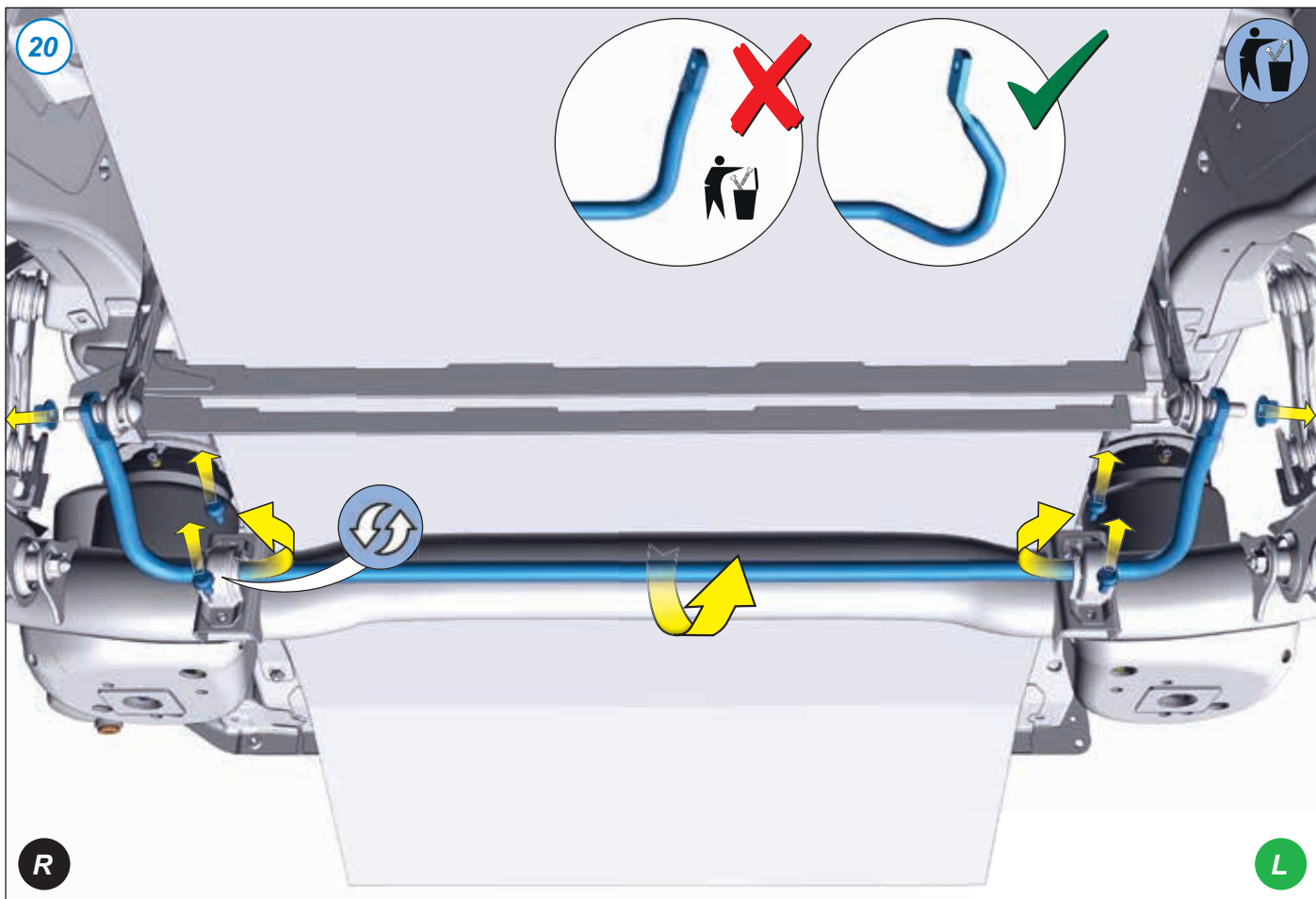
A **B**



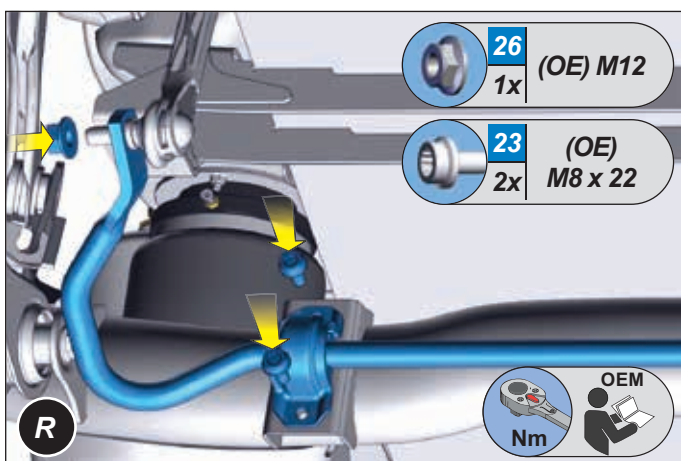
19 → **22**

C

20



OE VW Artikel:
1052070229

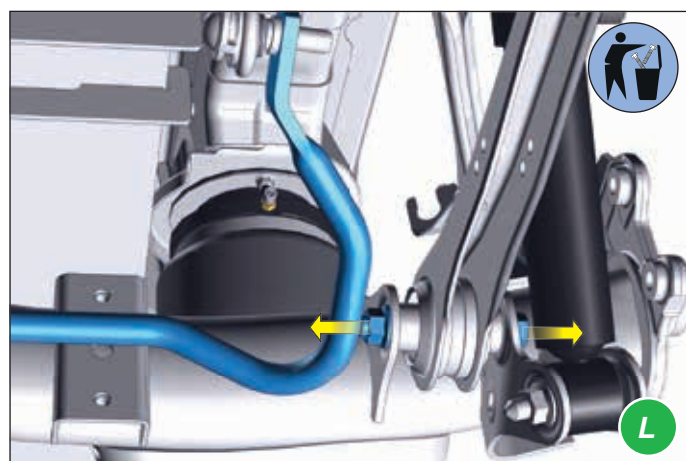


26
1x (OE) M12

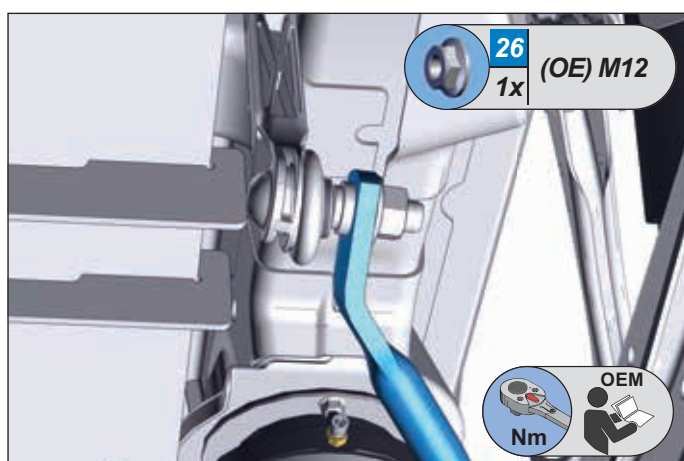
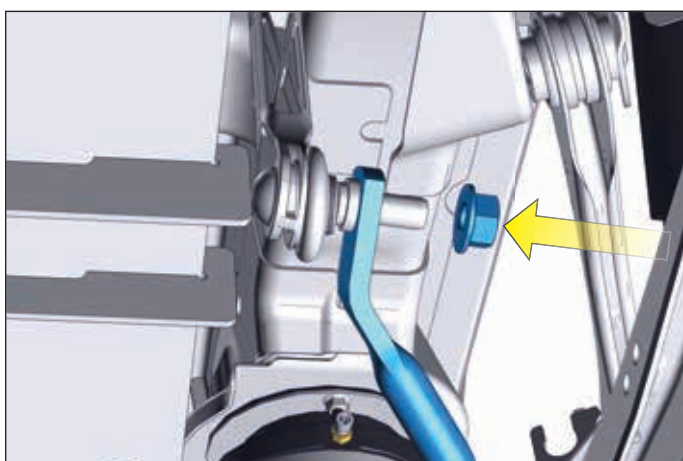
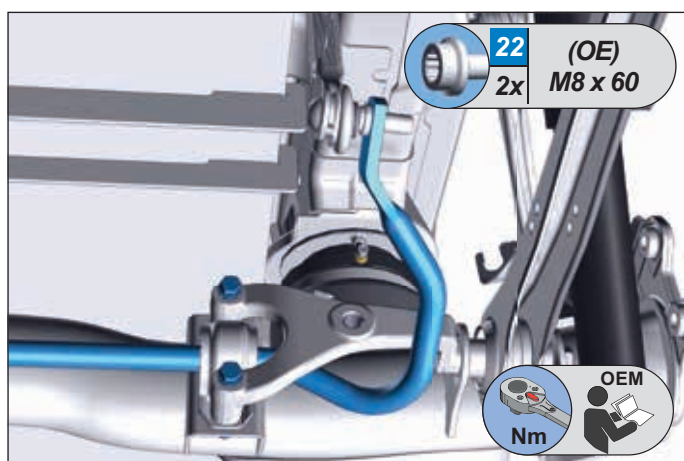
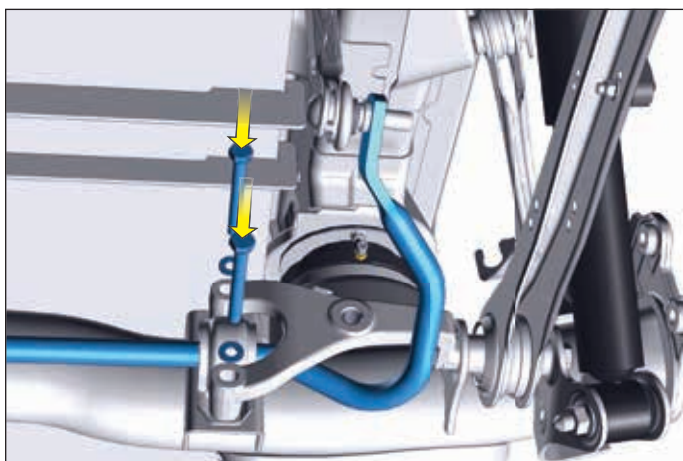
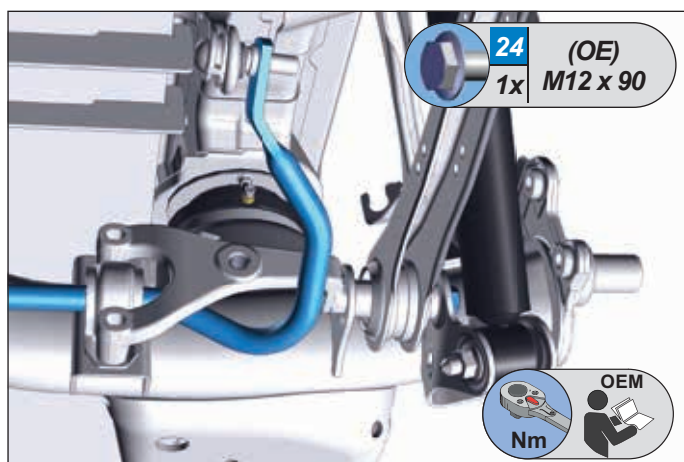
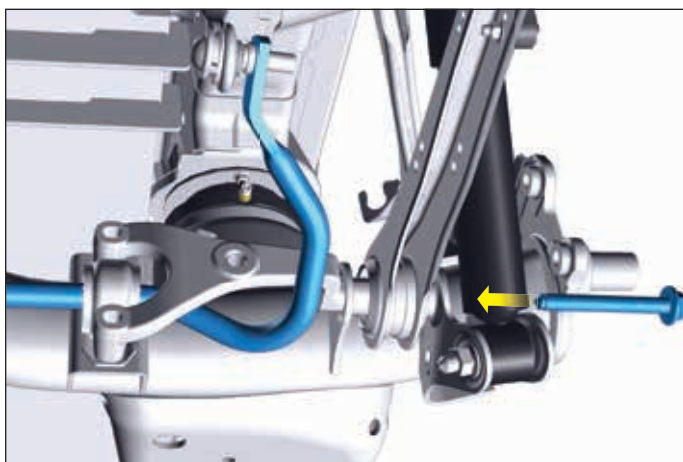
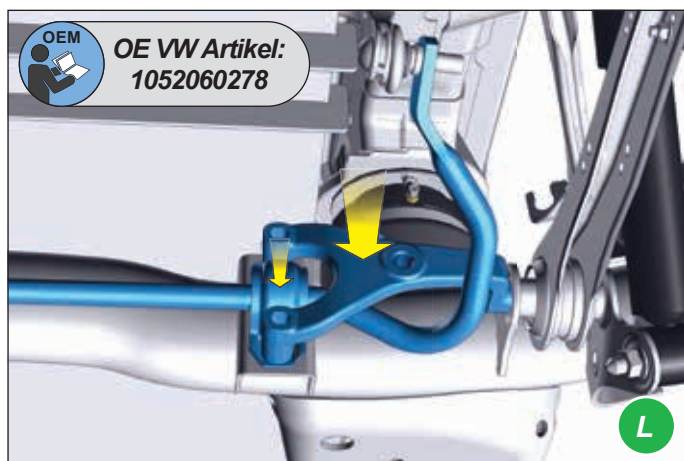
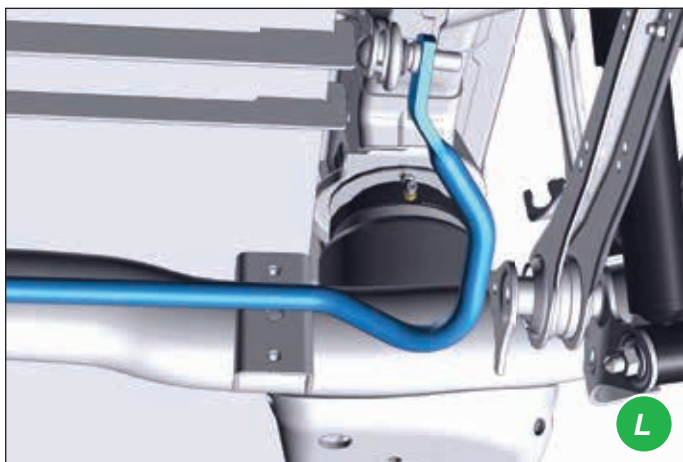
23
2x (OE)
M8 x 22



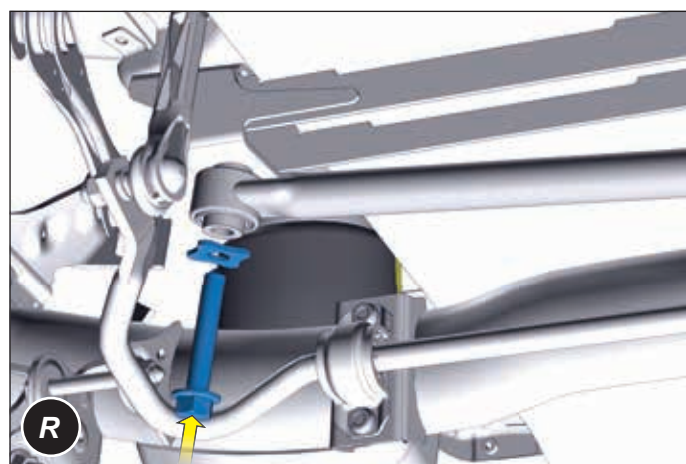
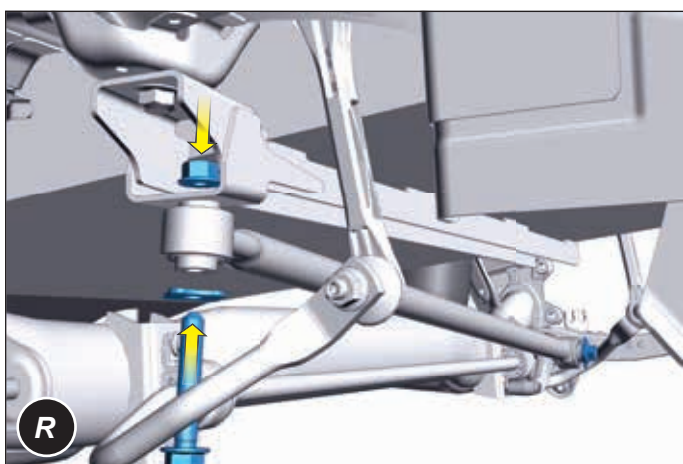
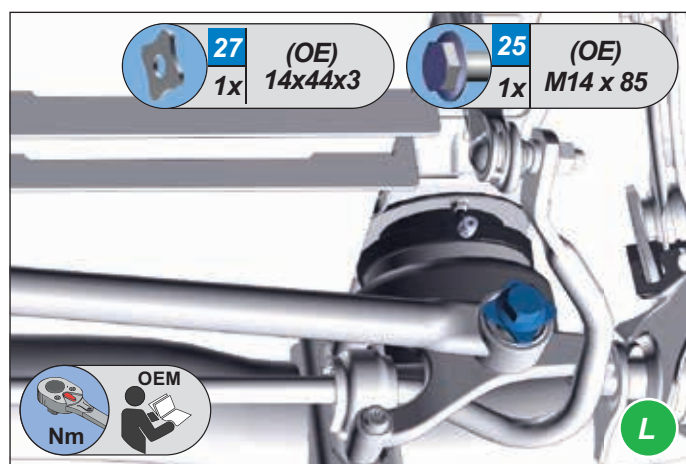
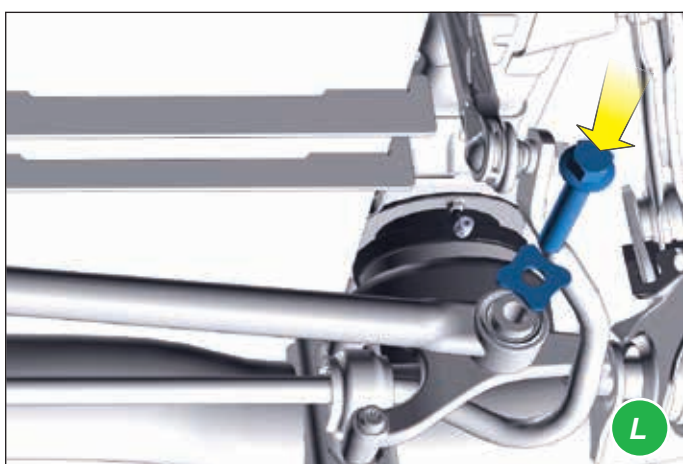
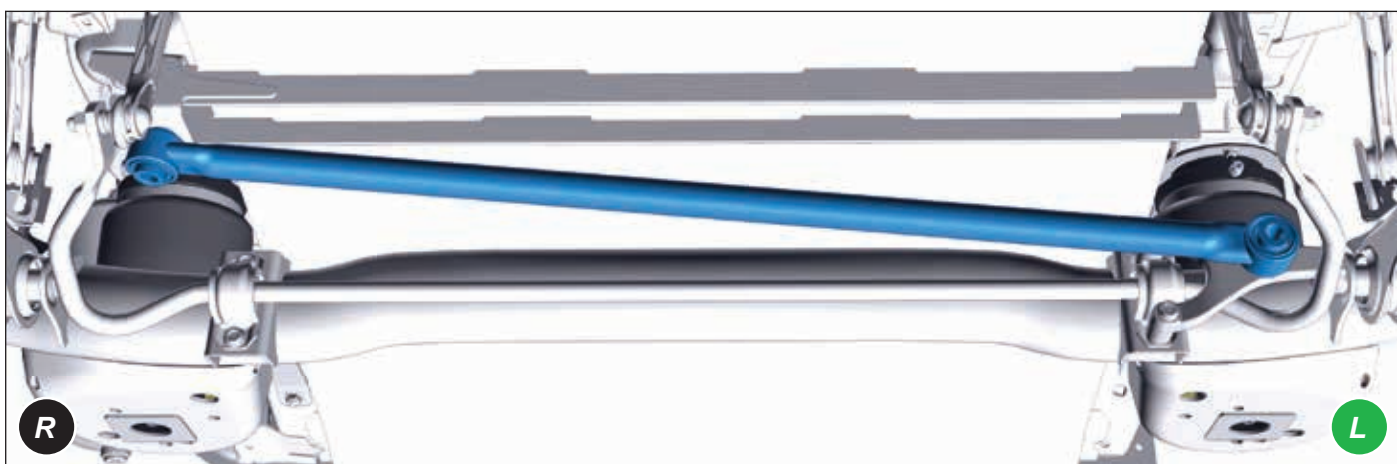
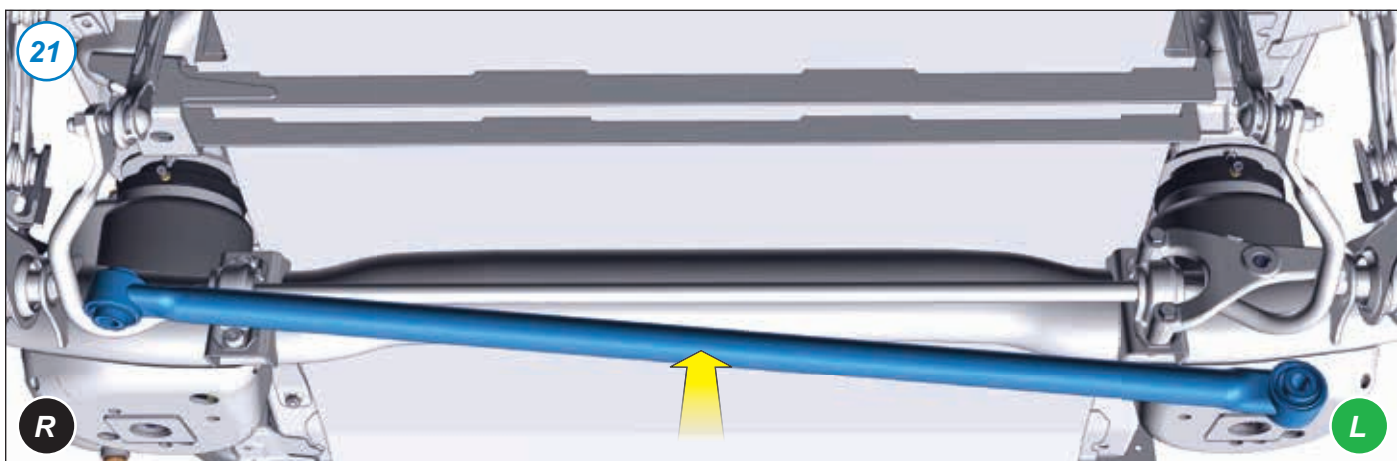
OEM
Nm



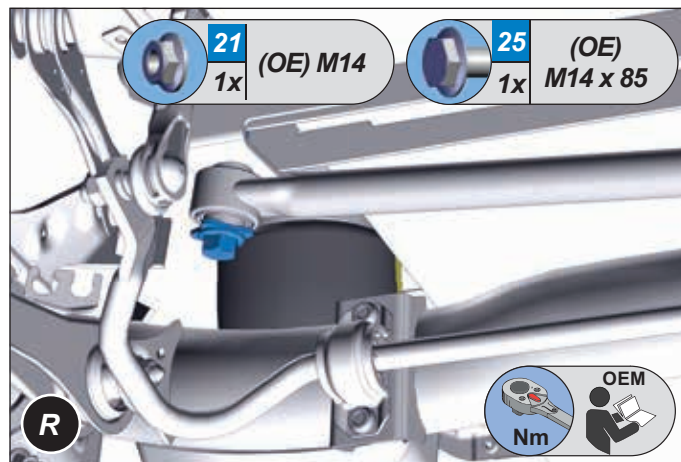
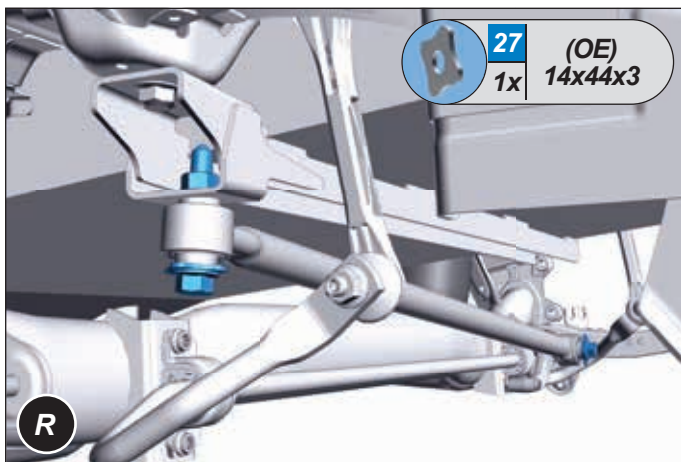
C



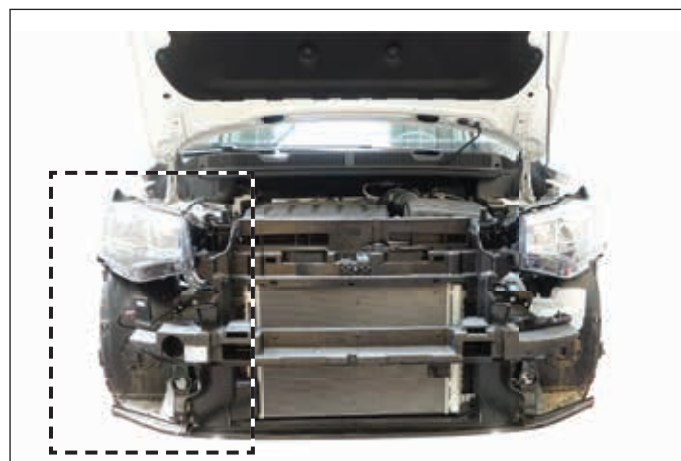
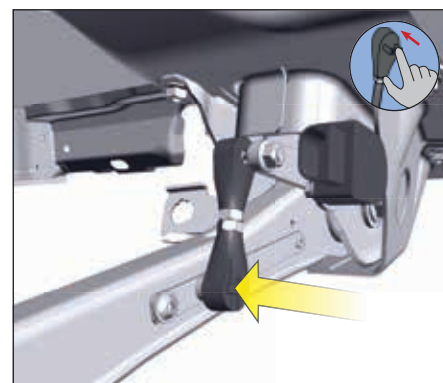
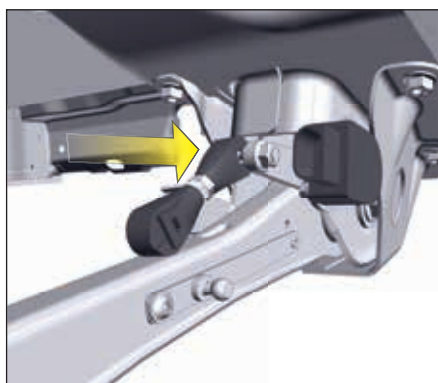
C



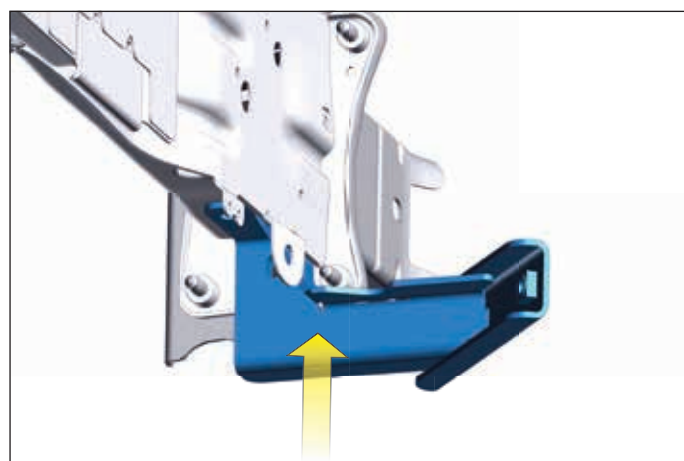
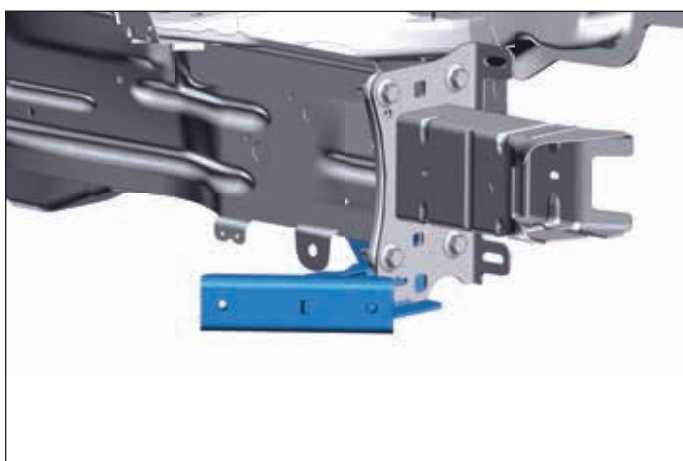
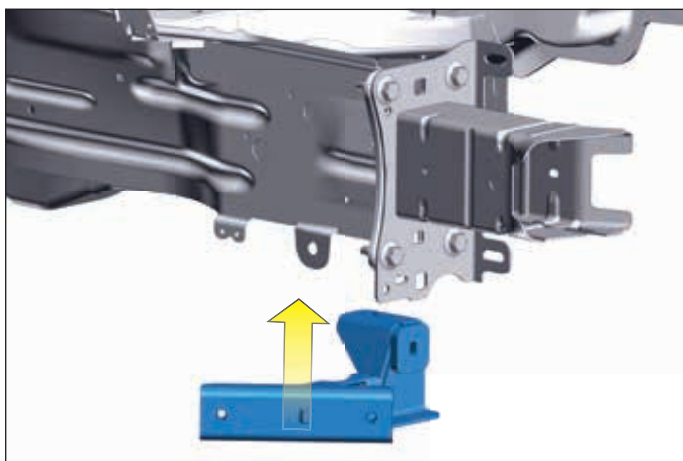
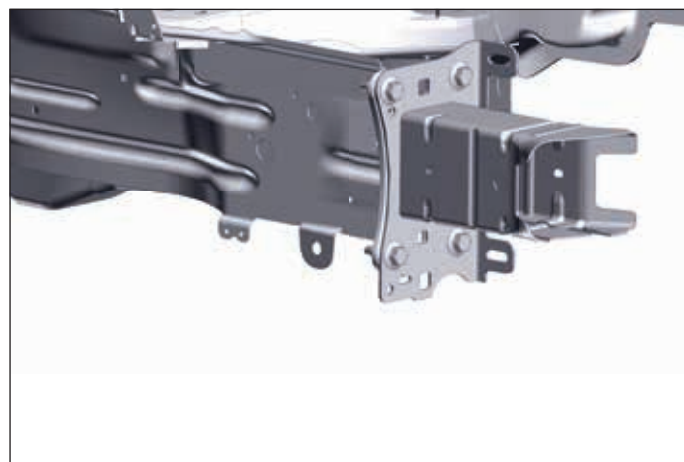
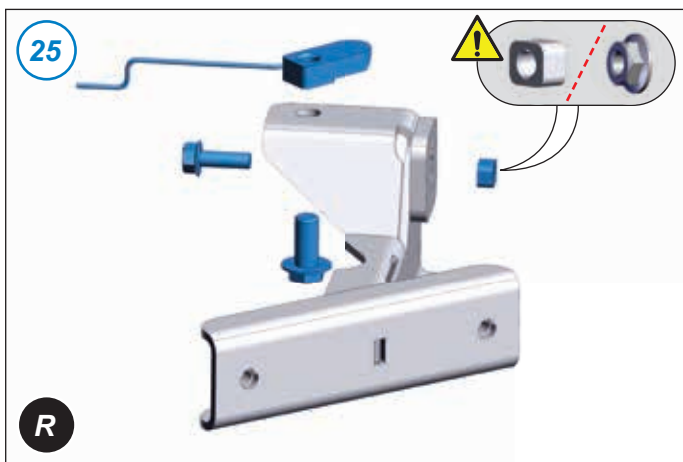
C



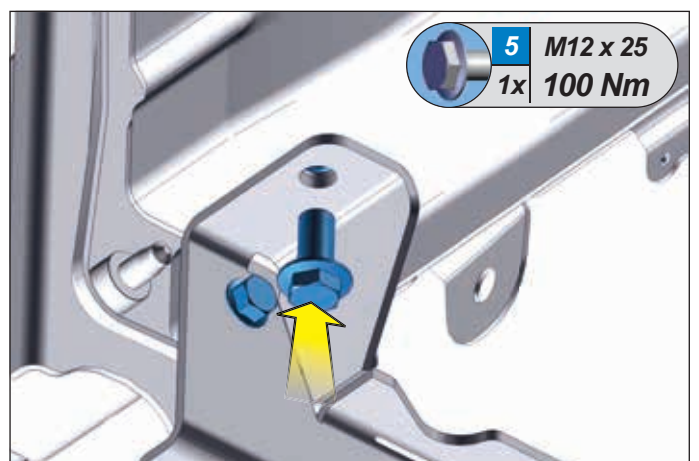
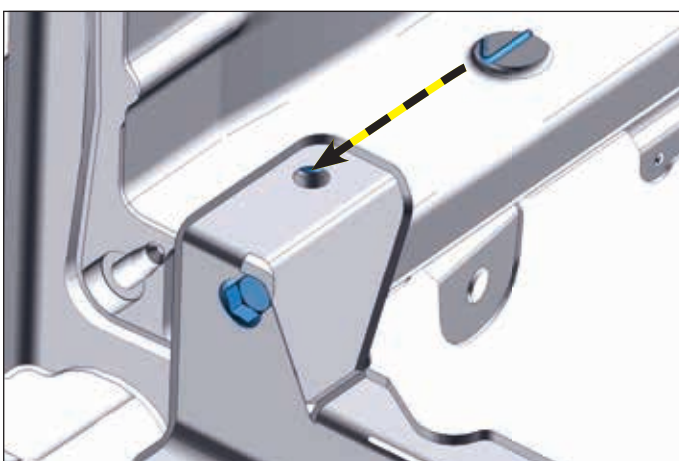
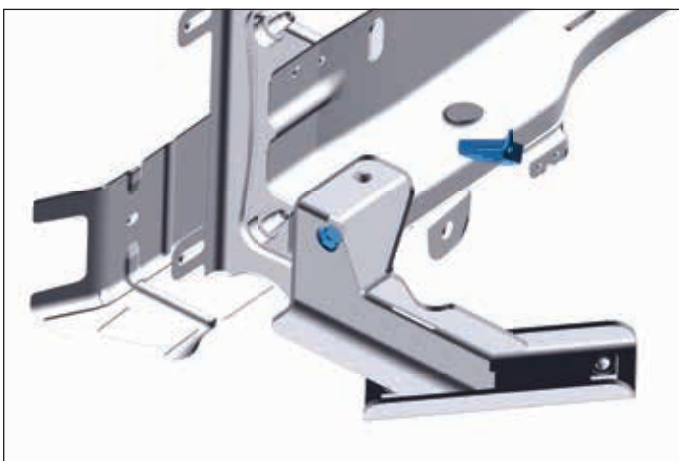
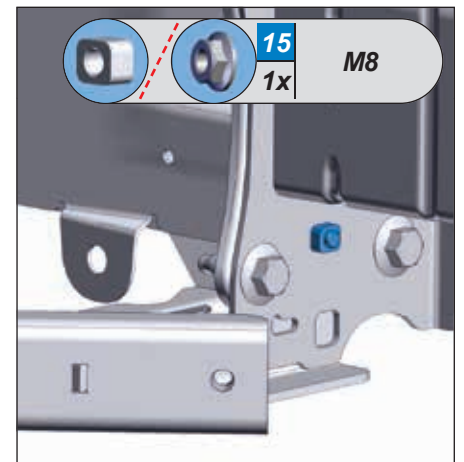
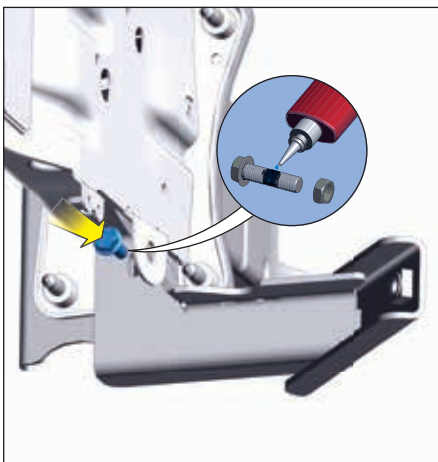
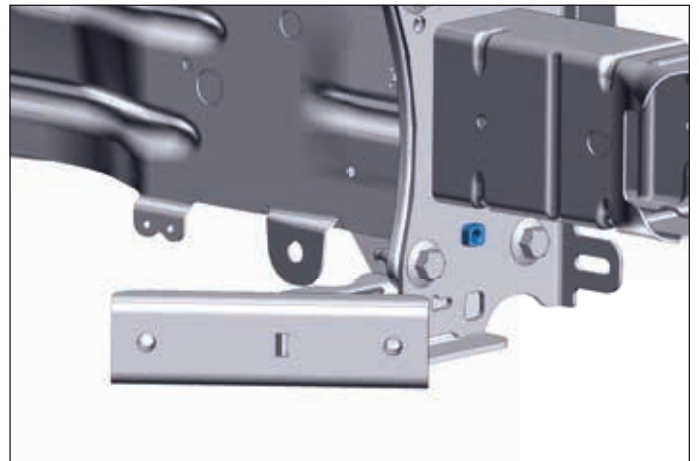
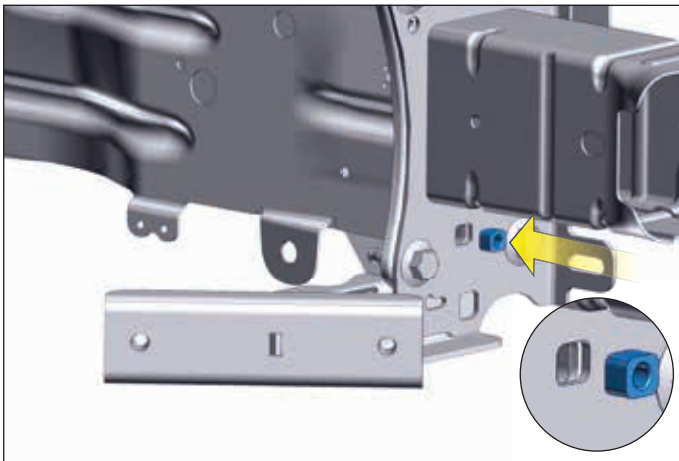
A B C

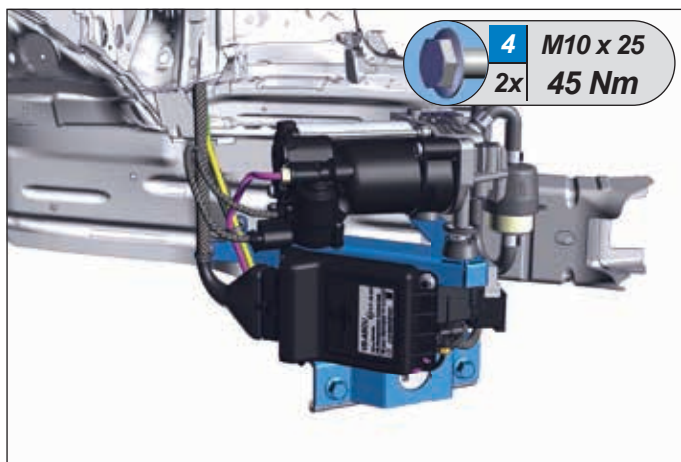
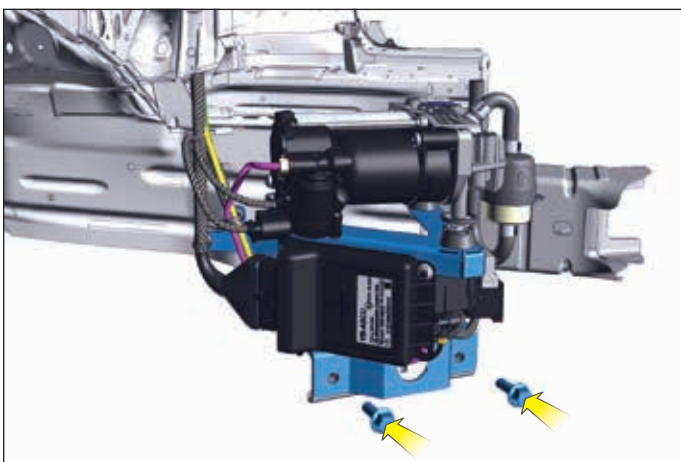
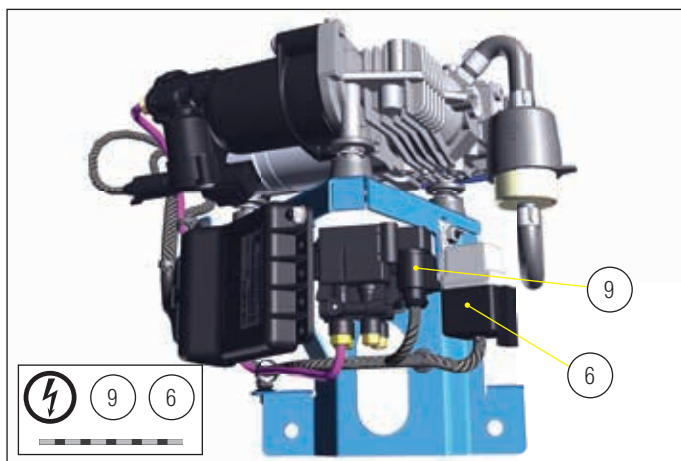
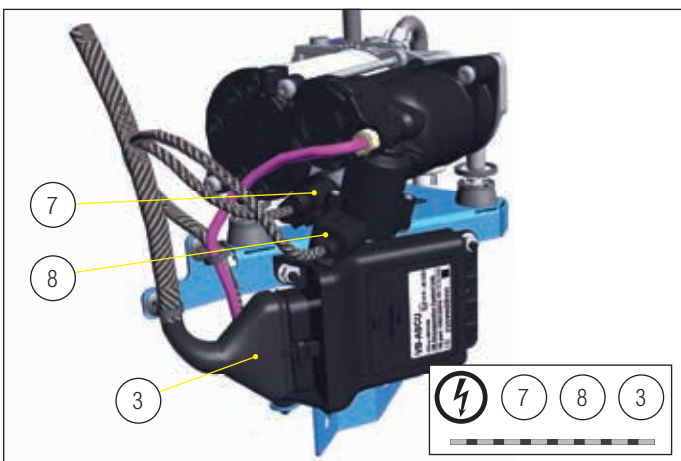
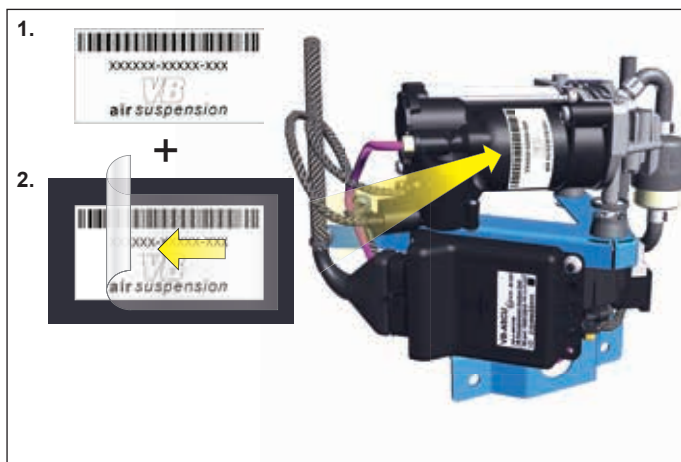
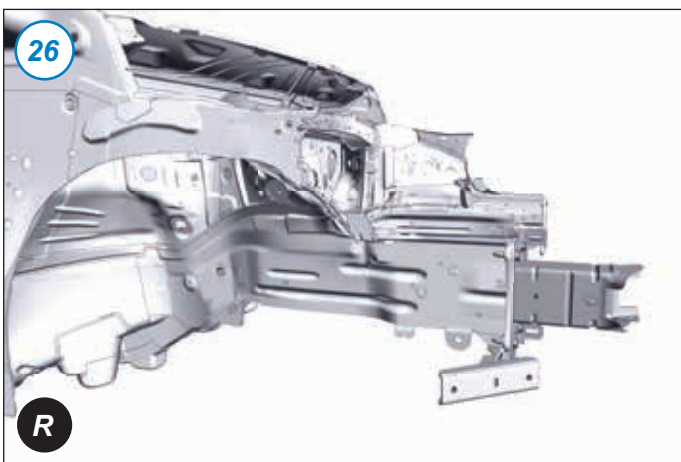
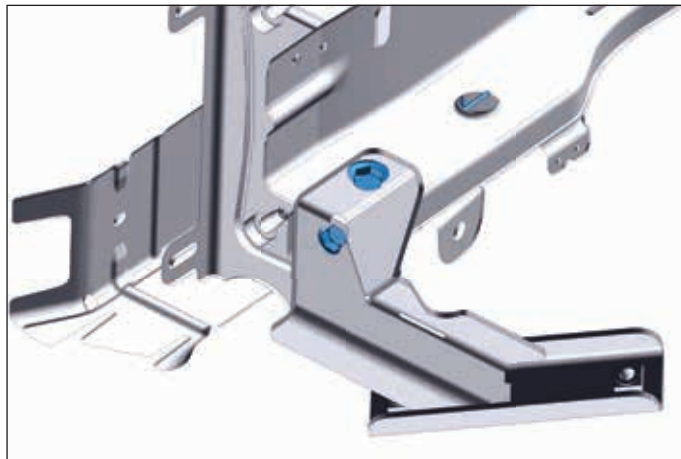
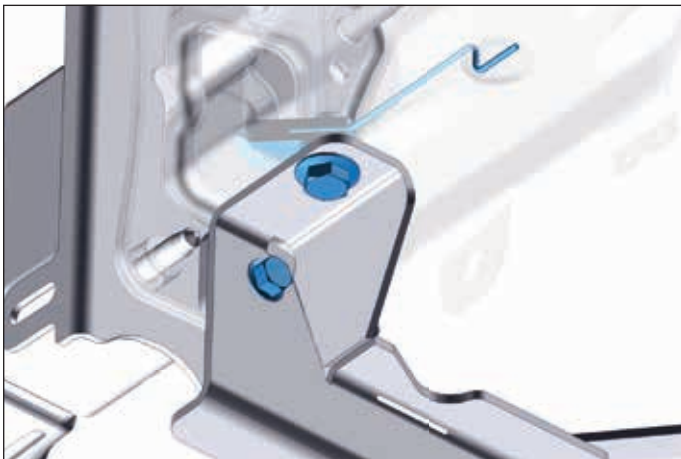


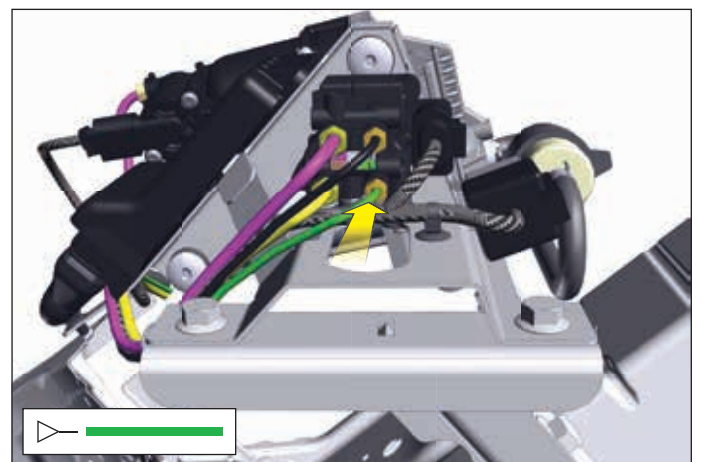
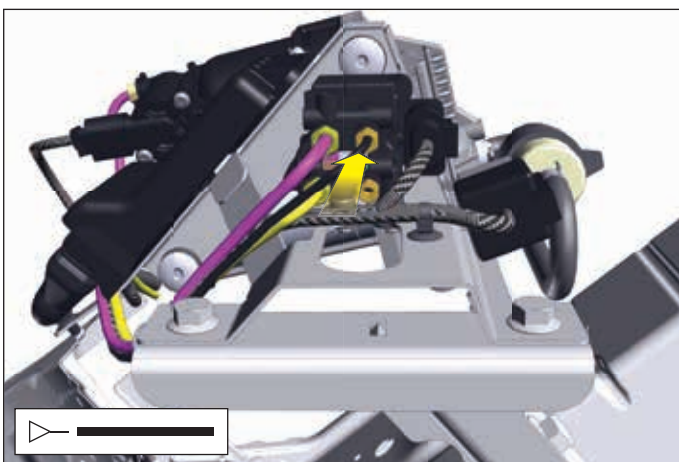
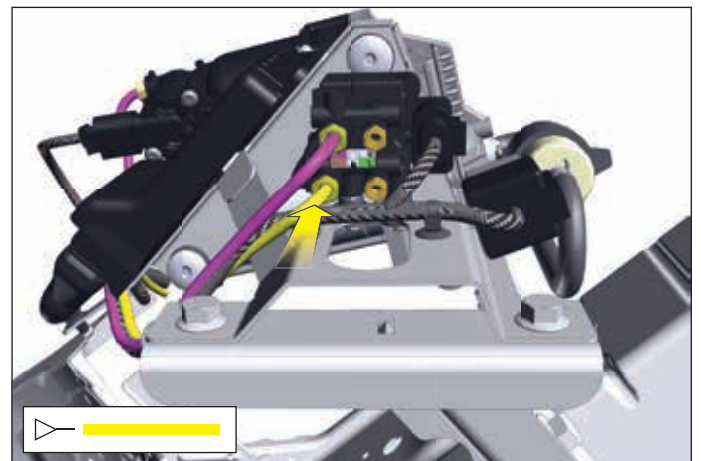
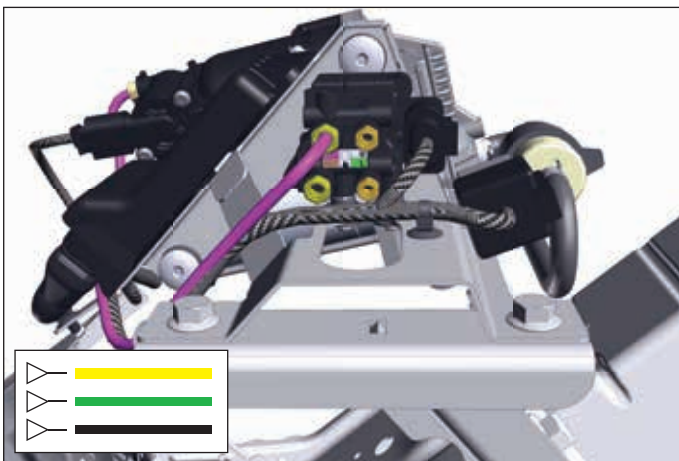
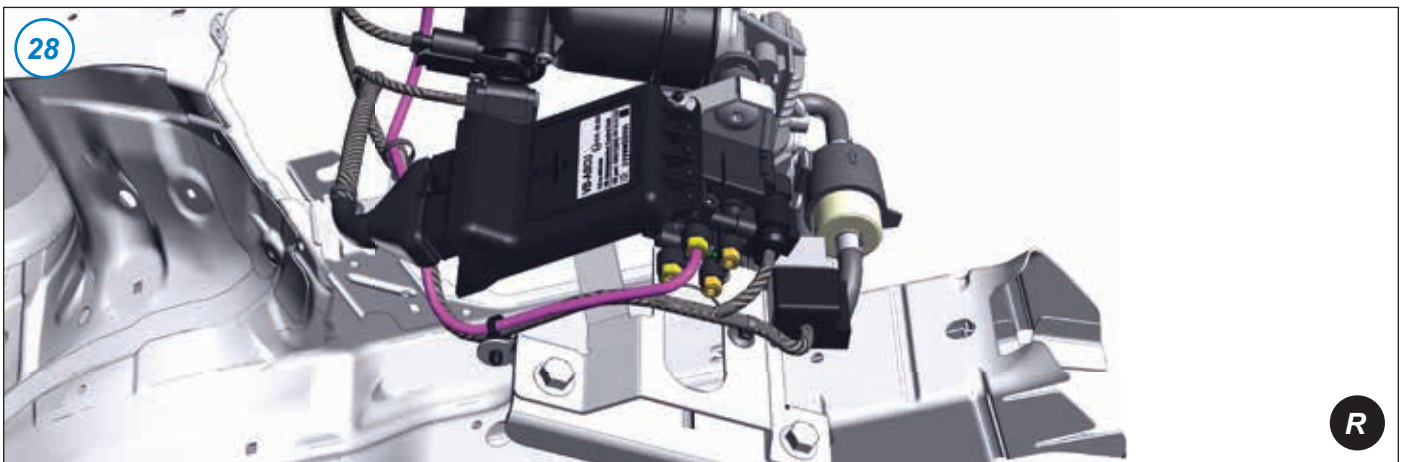
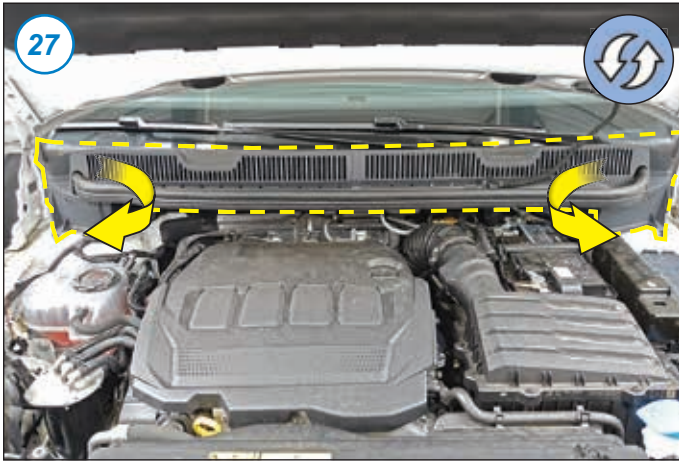
A **B** **C**

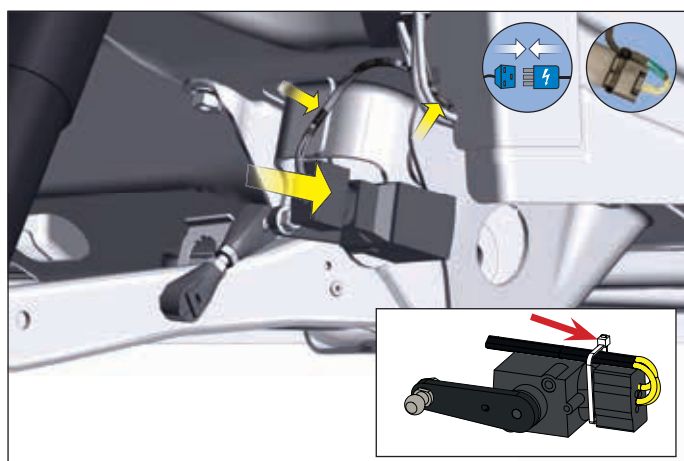
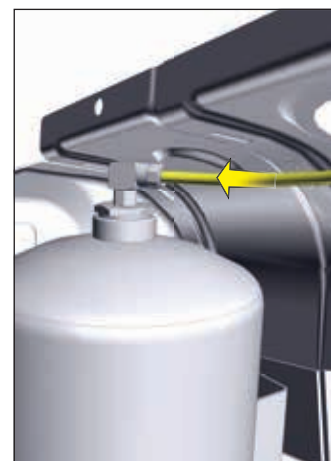
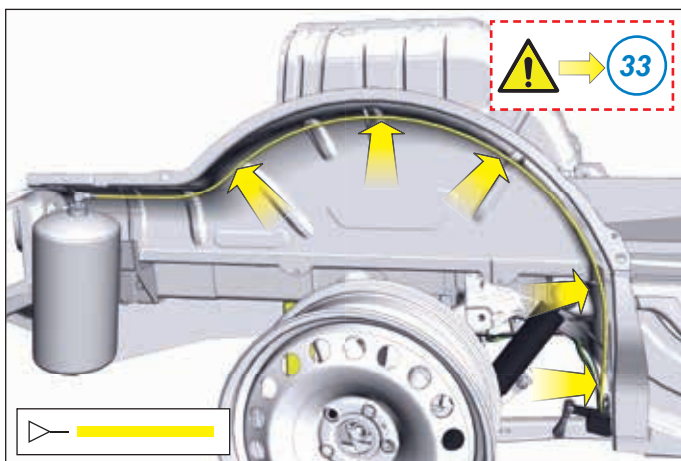
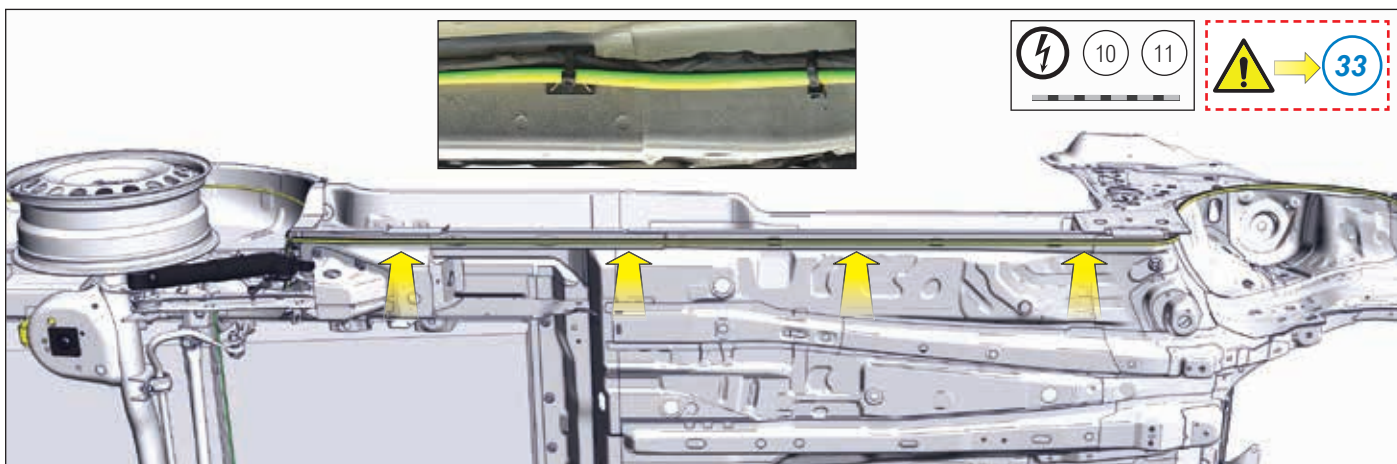
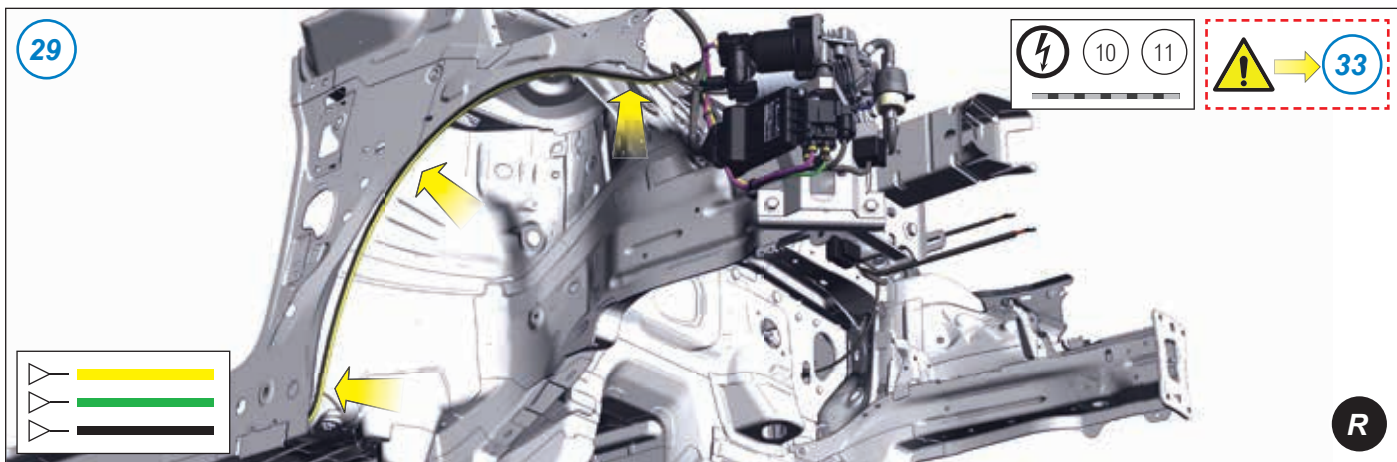


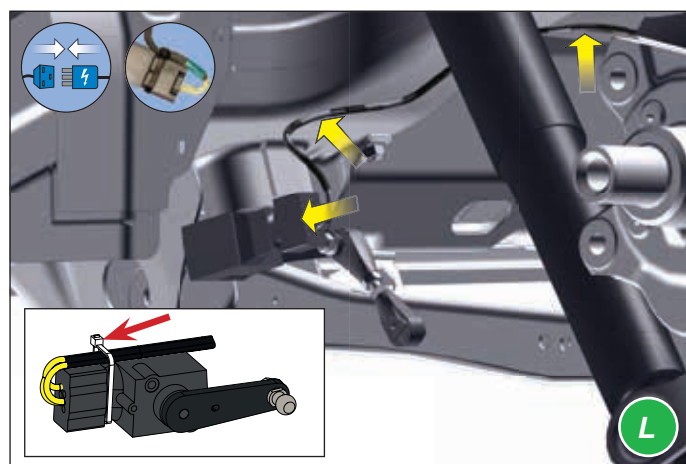
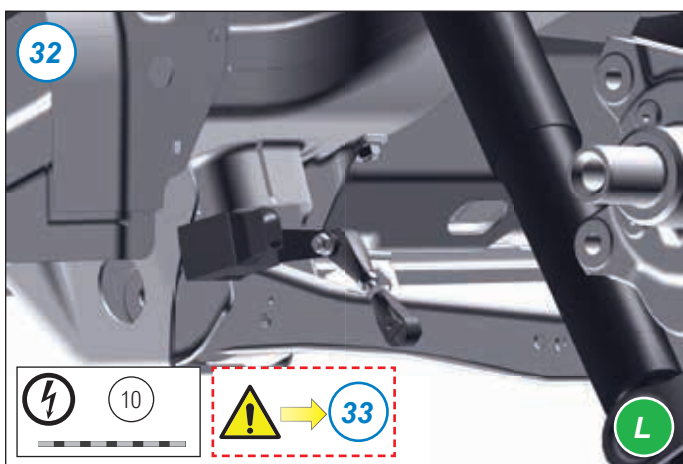
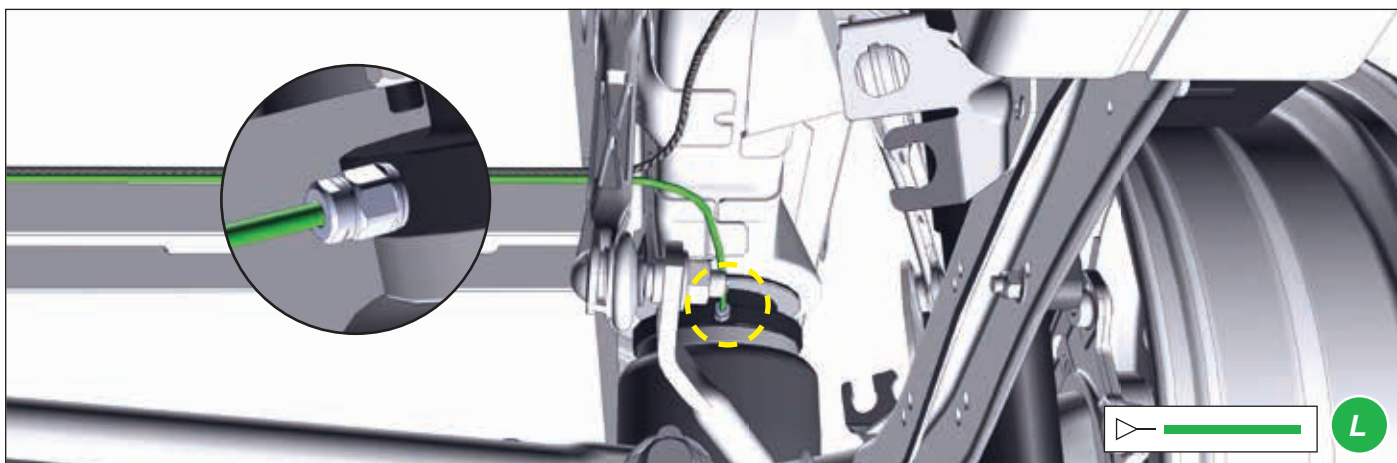
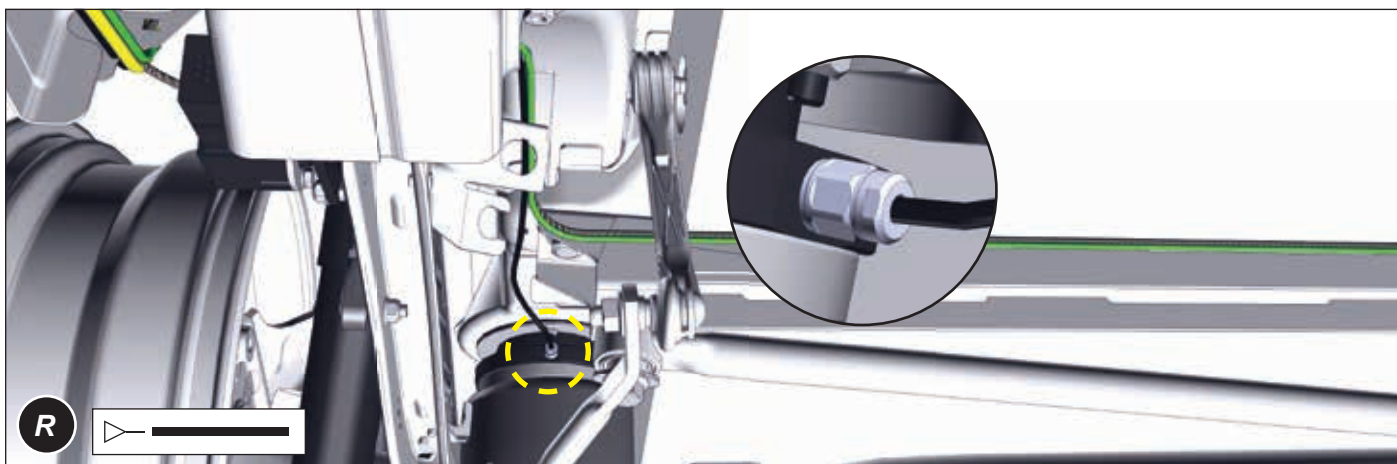
A **B** **C**



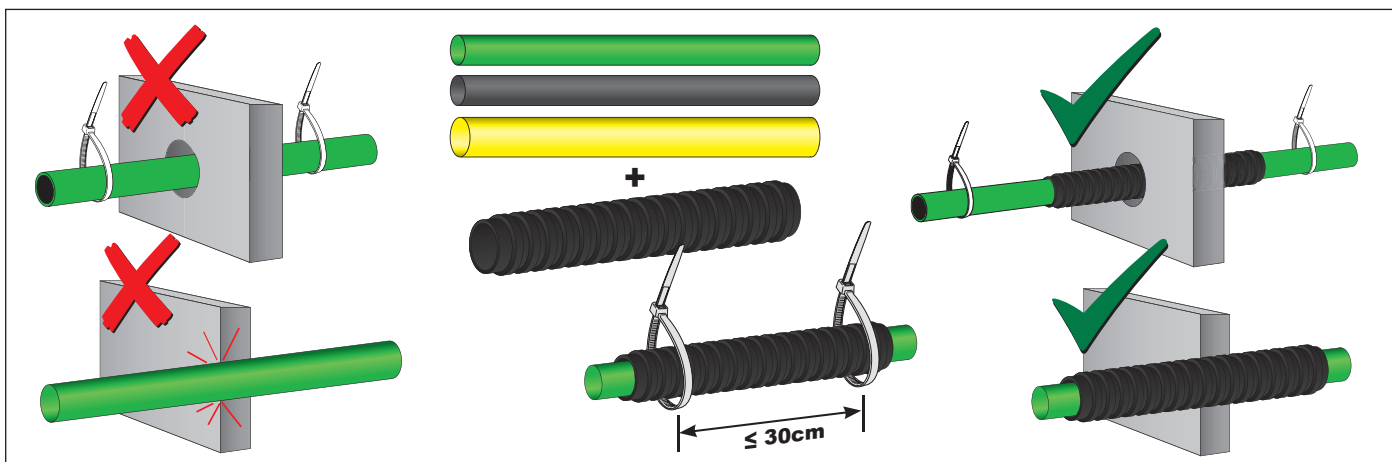
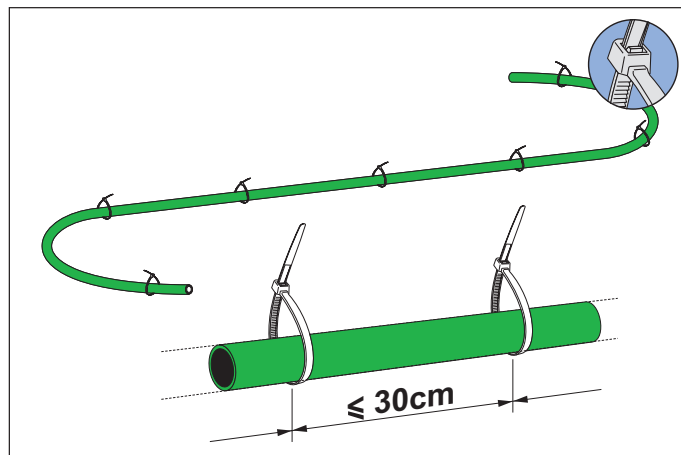
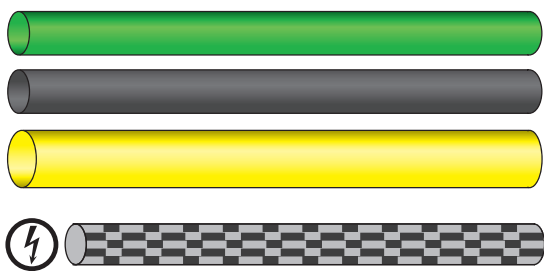




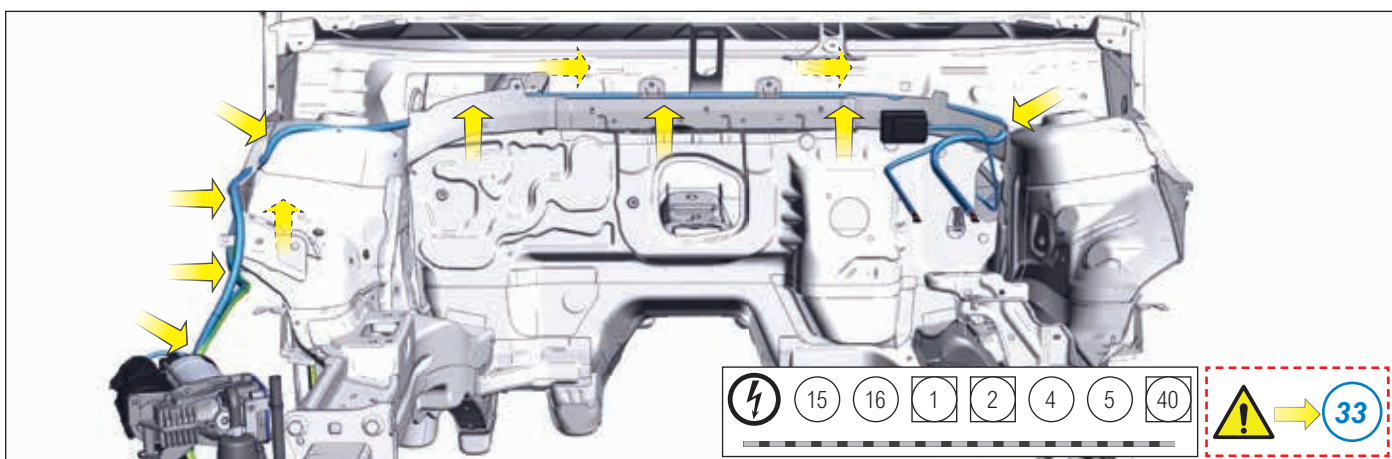


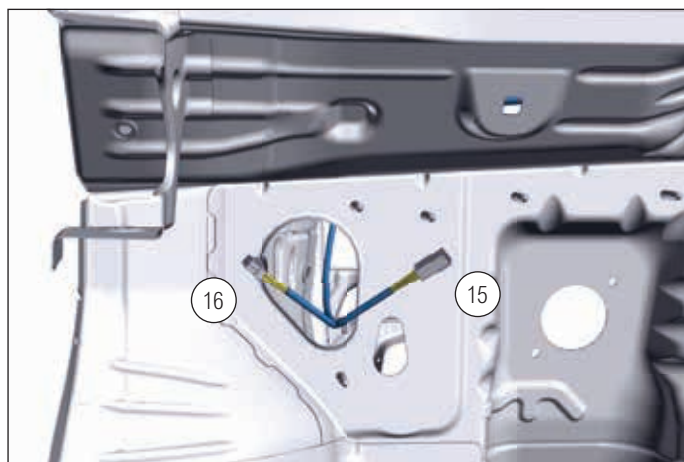
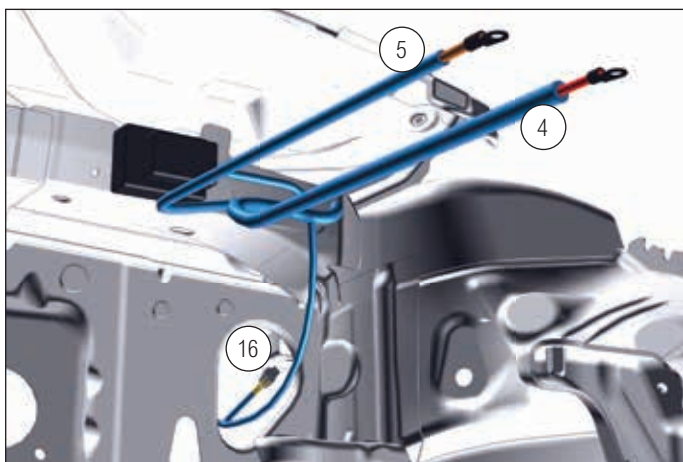
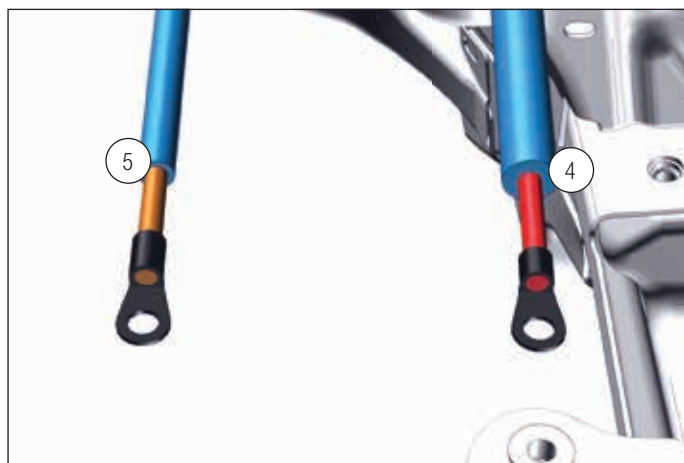
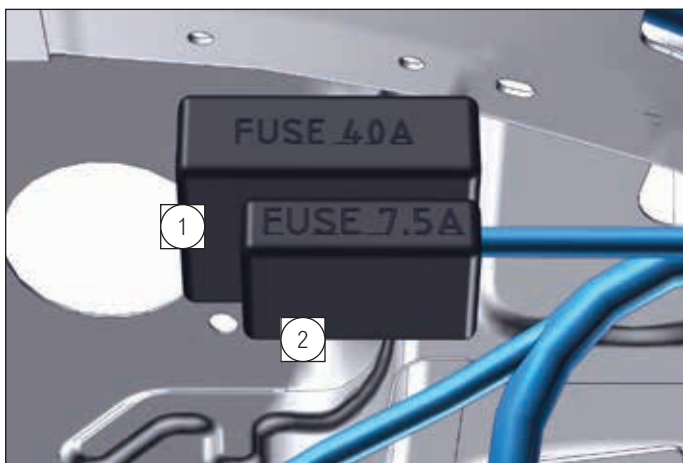
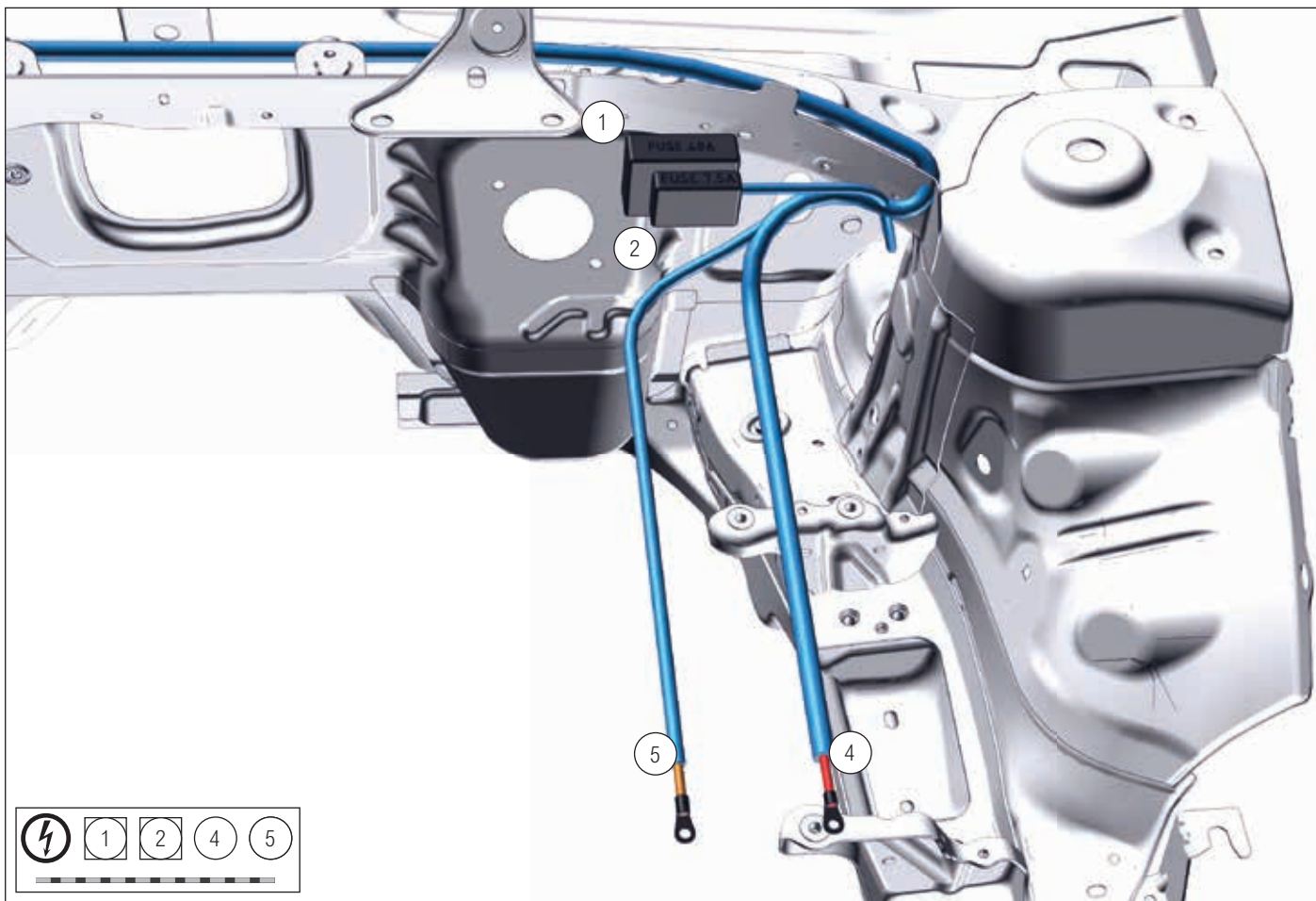


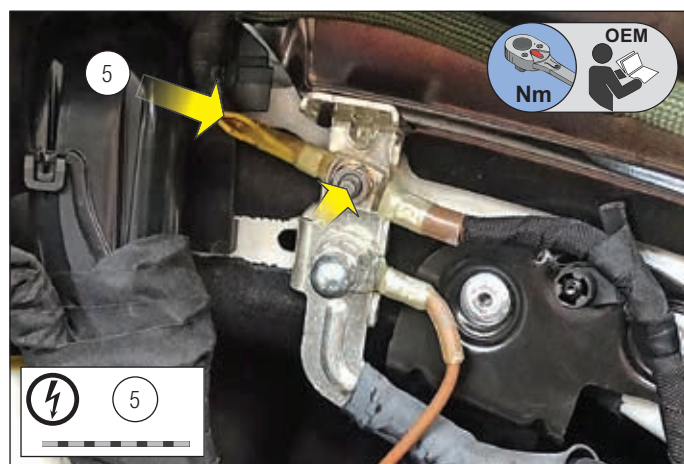
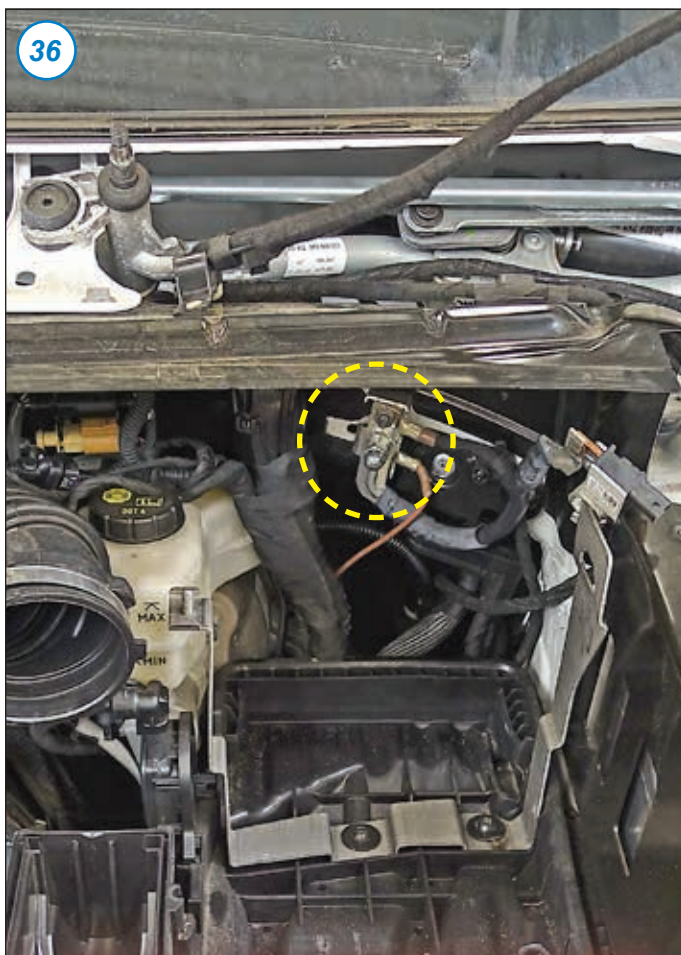
33

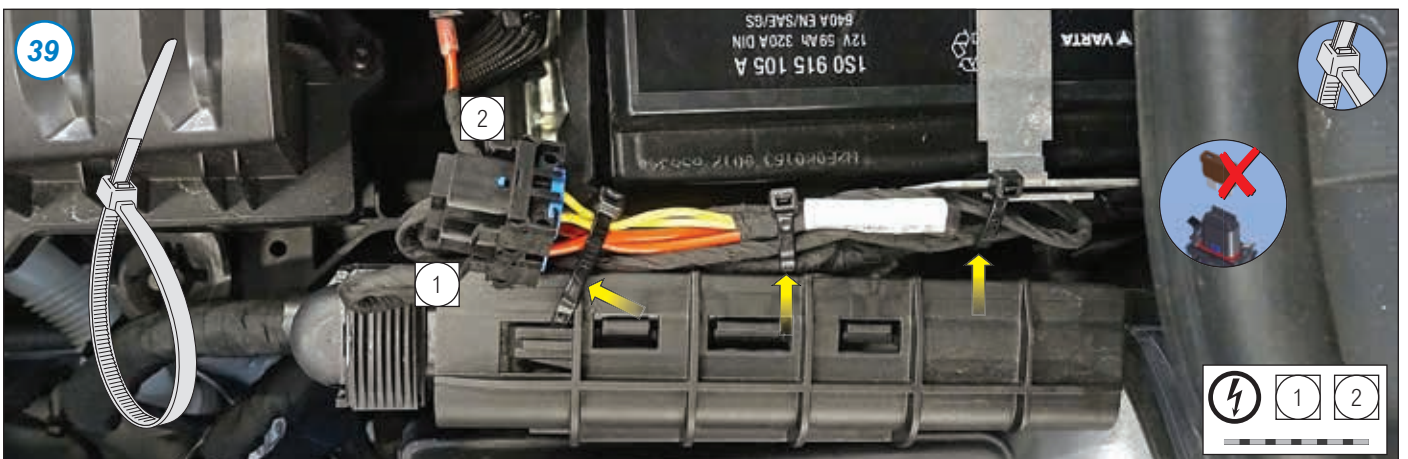
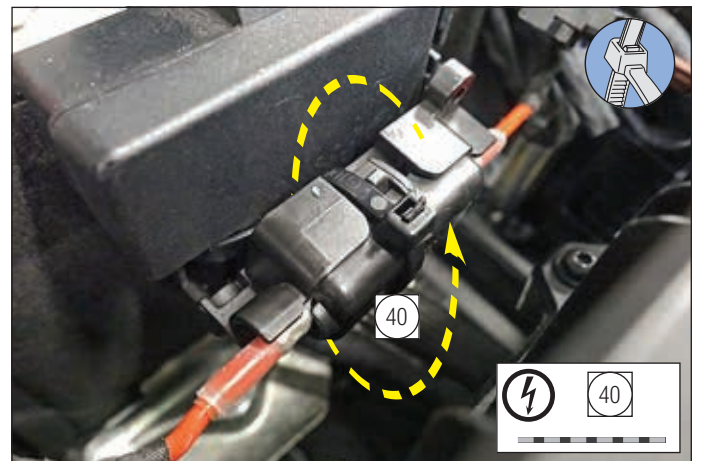
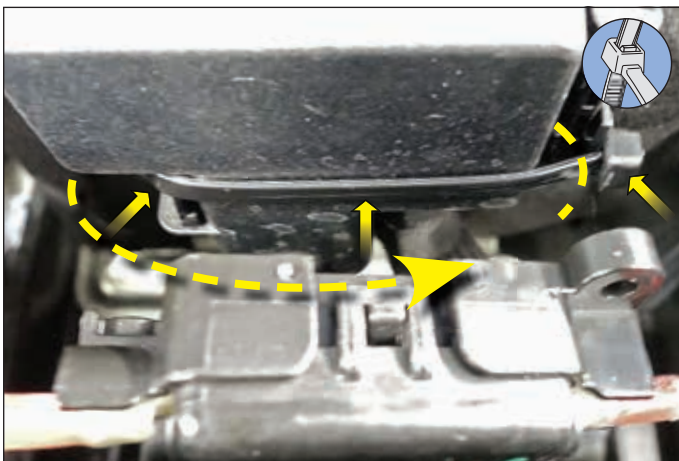
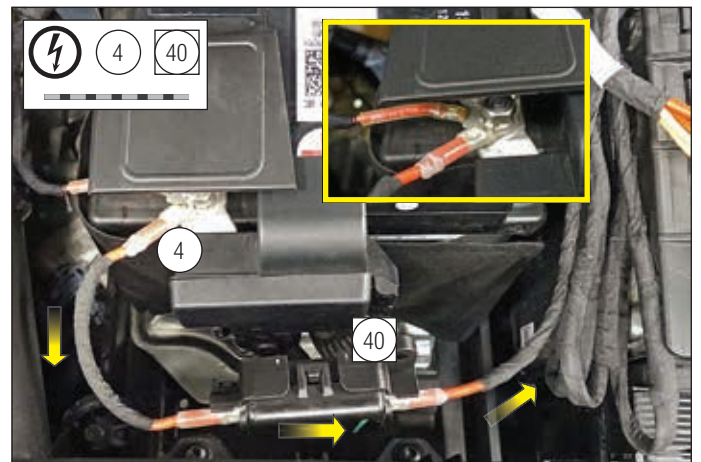
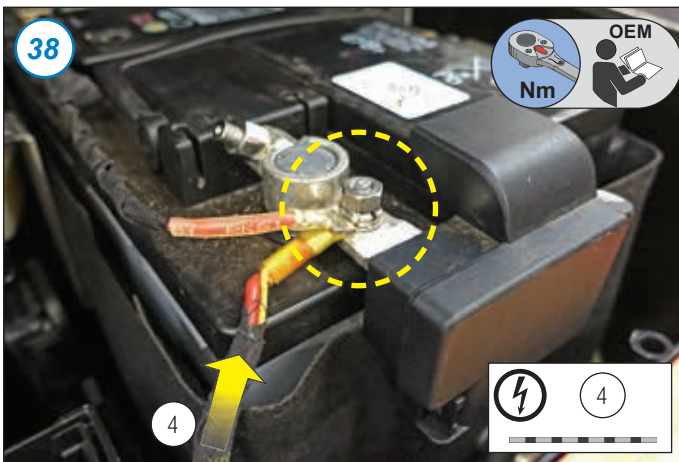
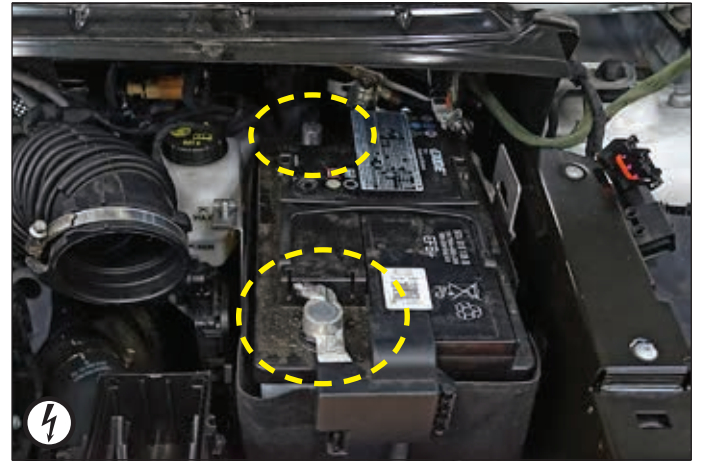
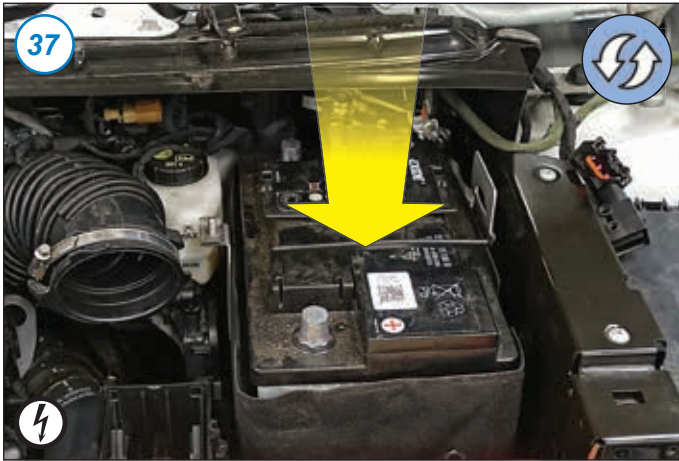


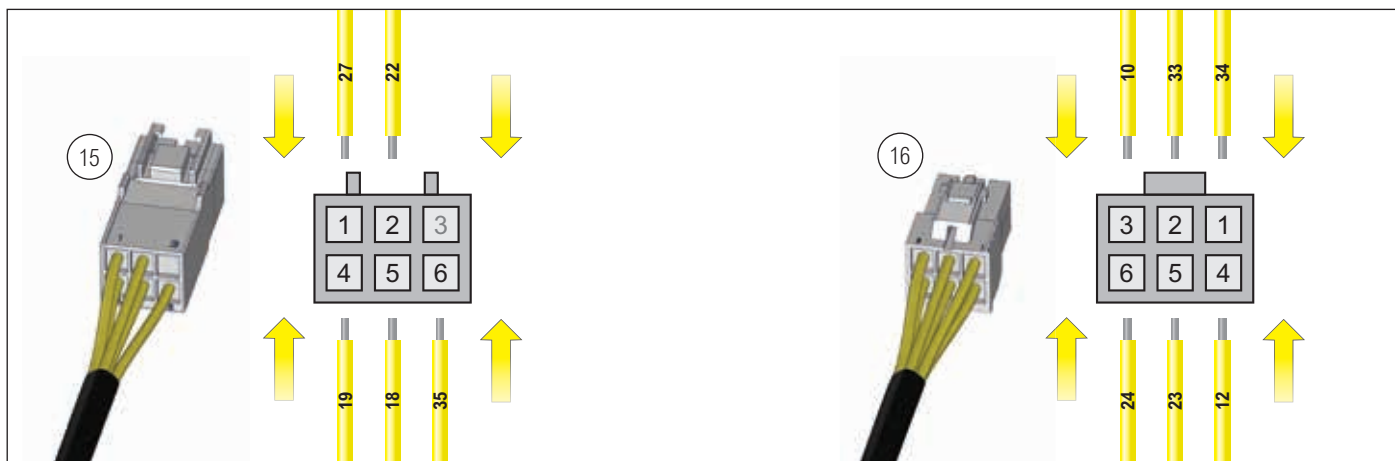
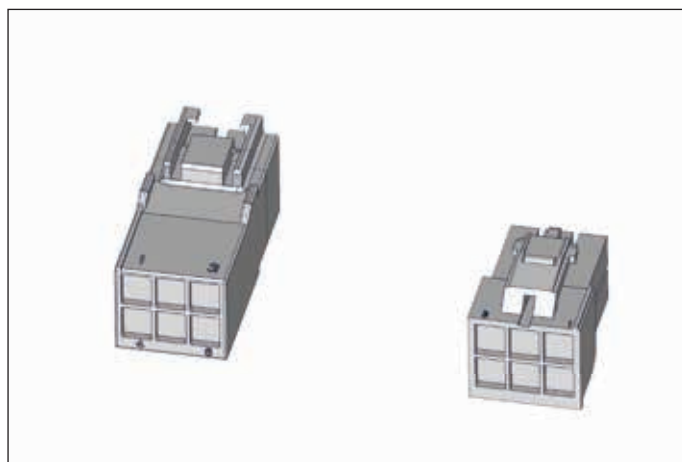
34











41 CFCU*

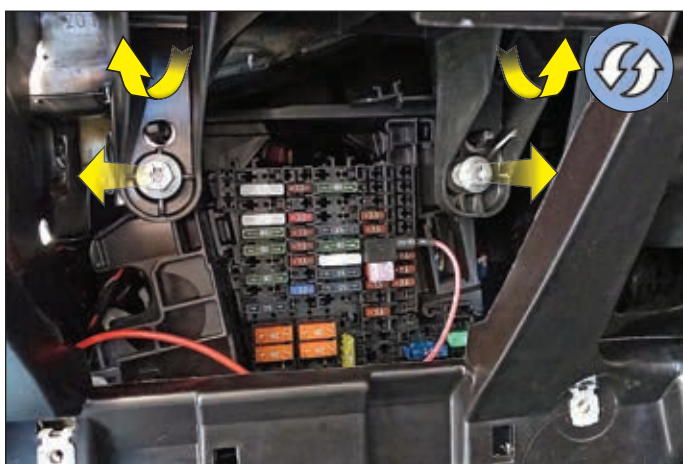
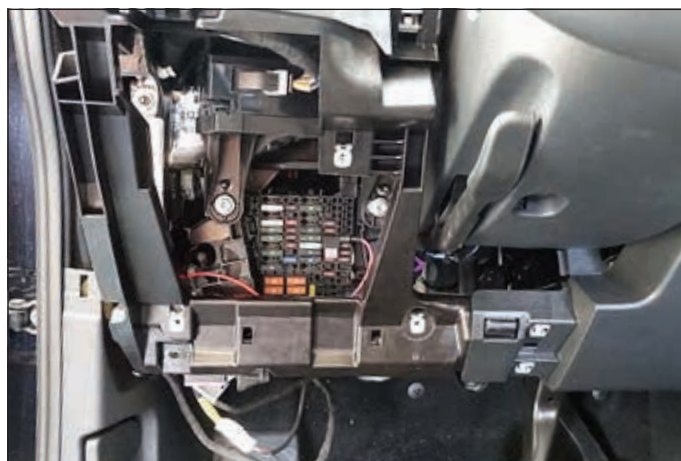
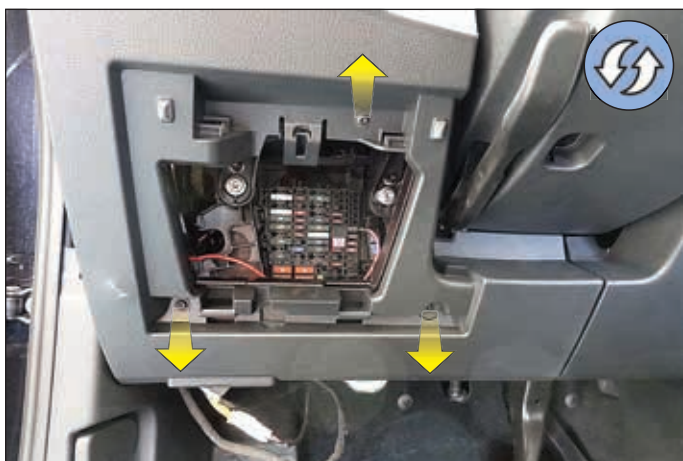
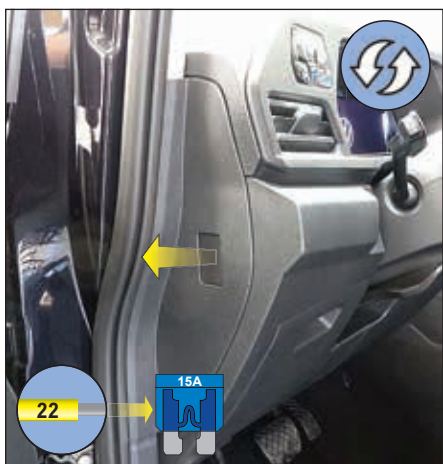
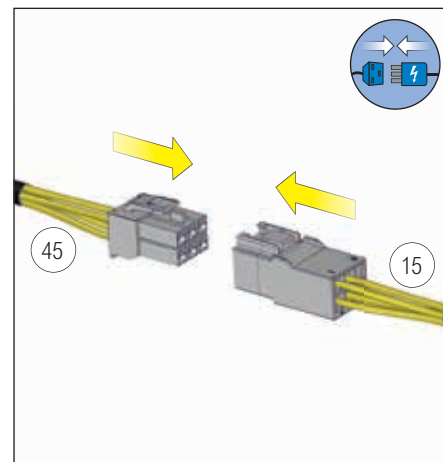
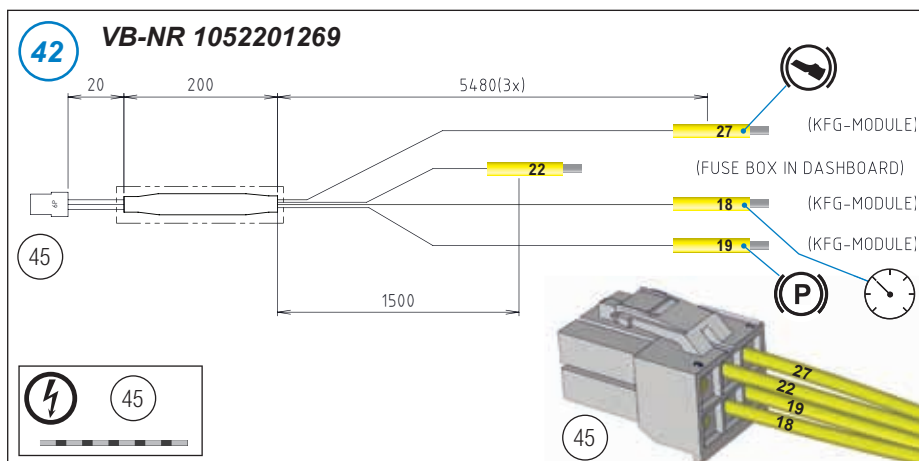
42

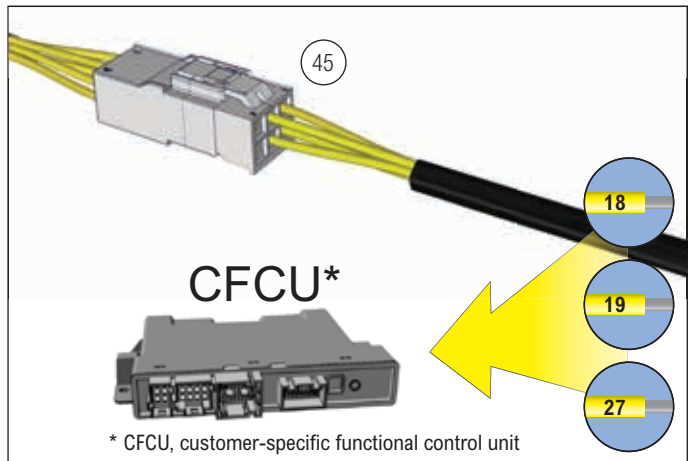
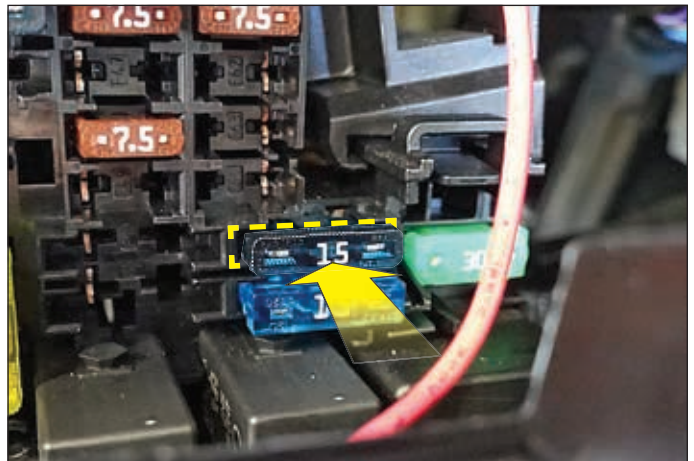
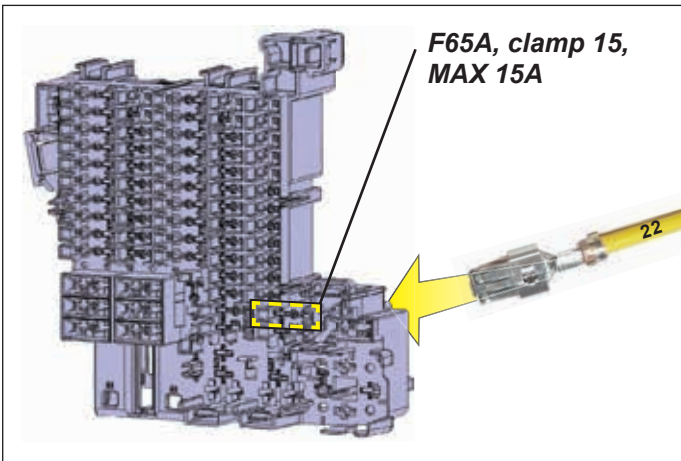
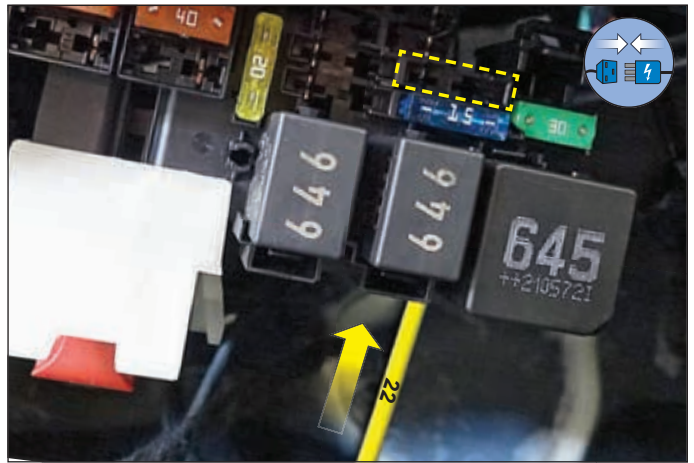
Set: 1052201281

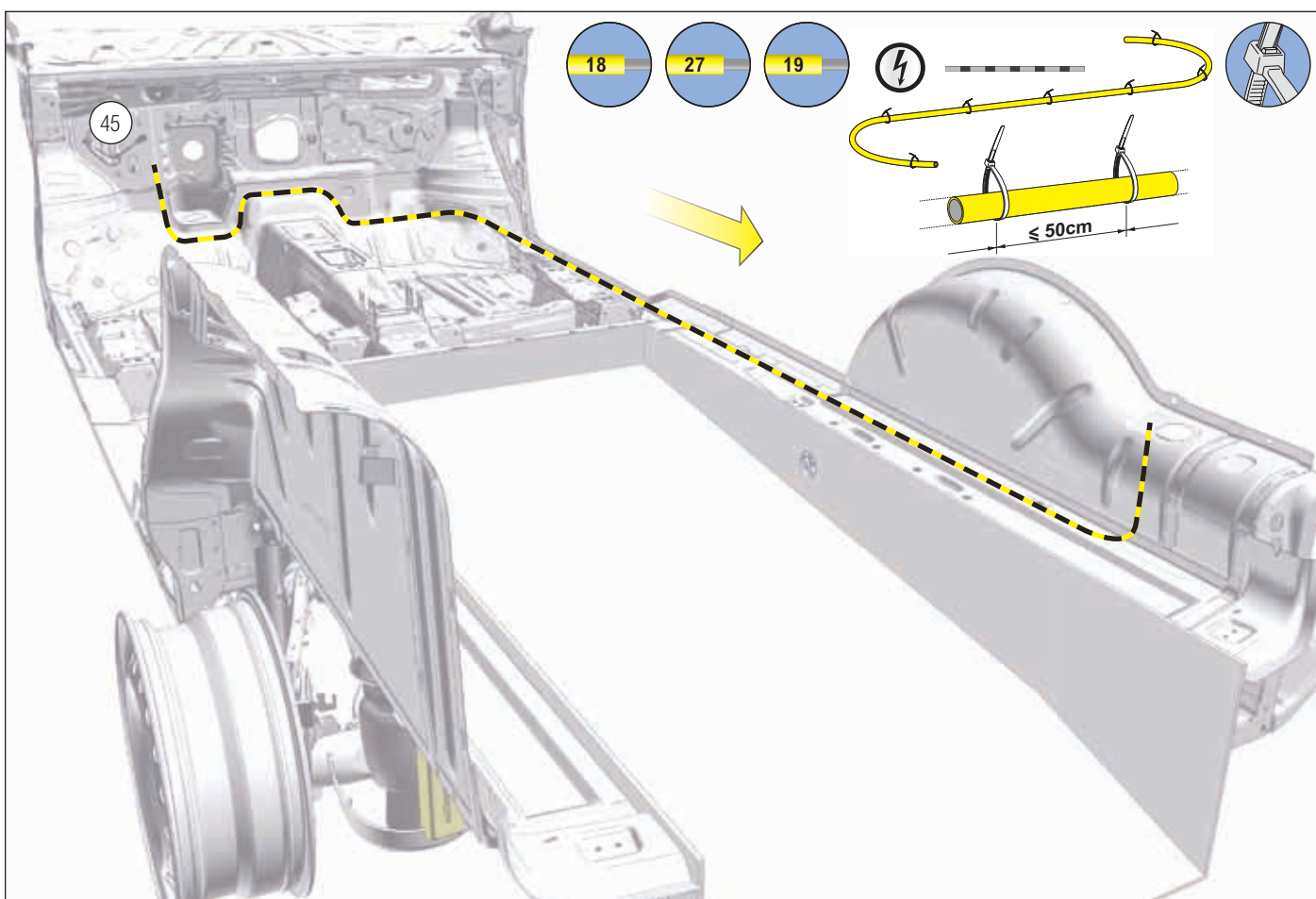
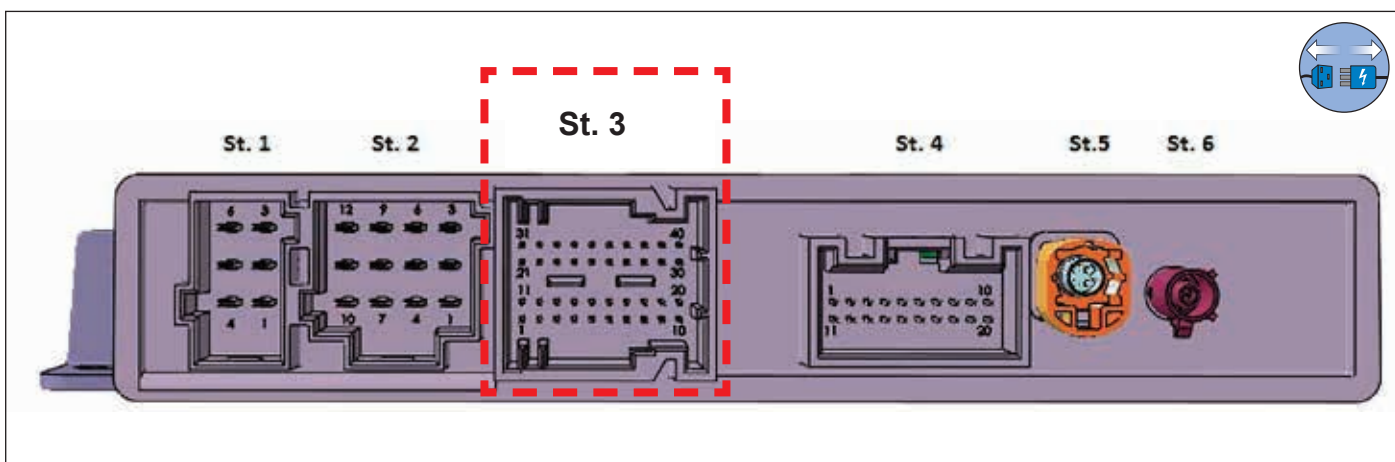
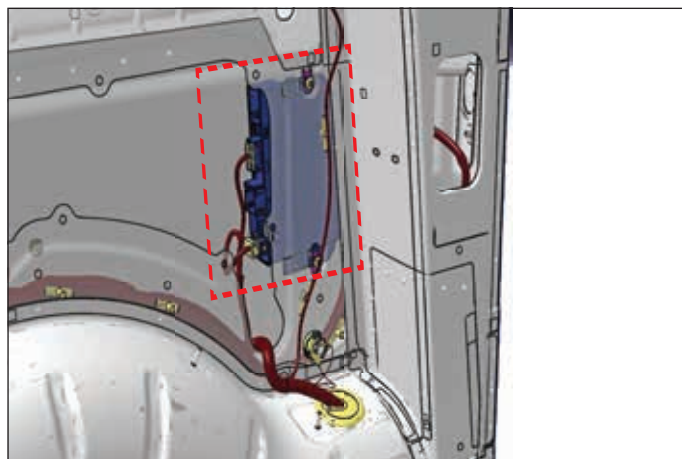
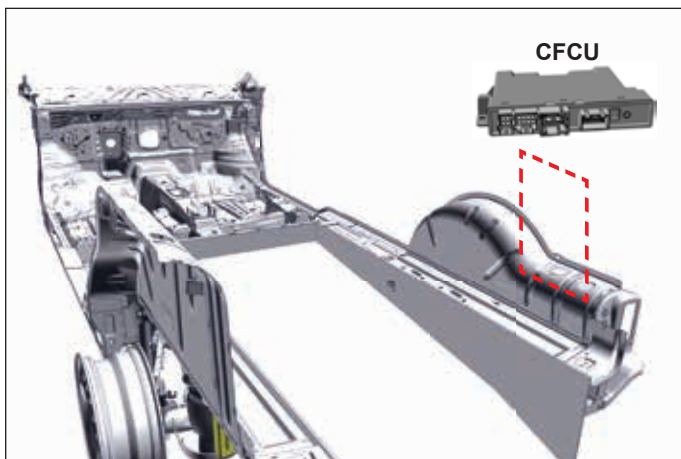
FITTING INSTRUCTIONS
730105092401ALL

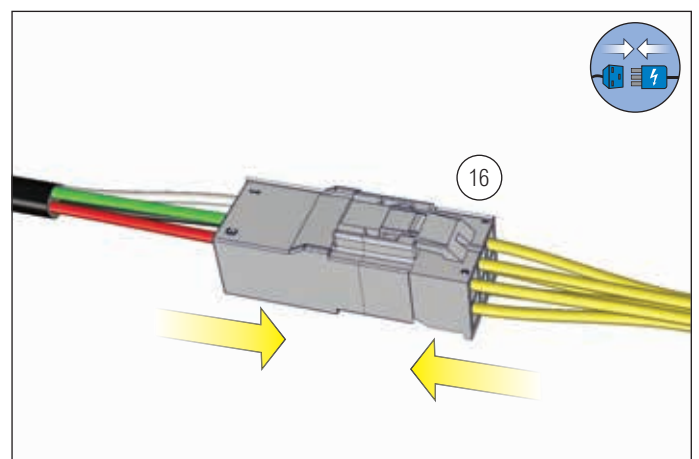
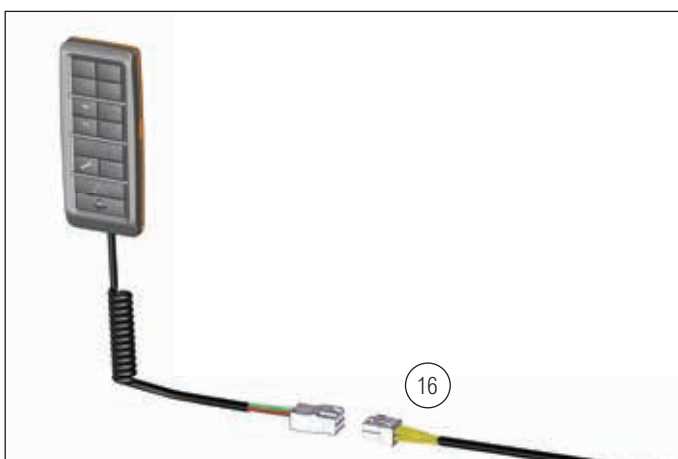
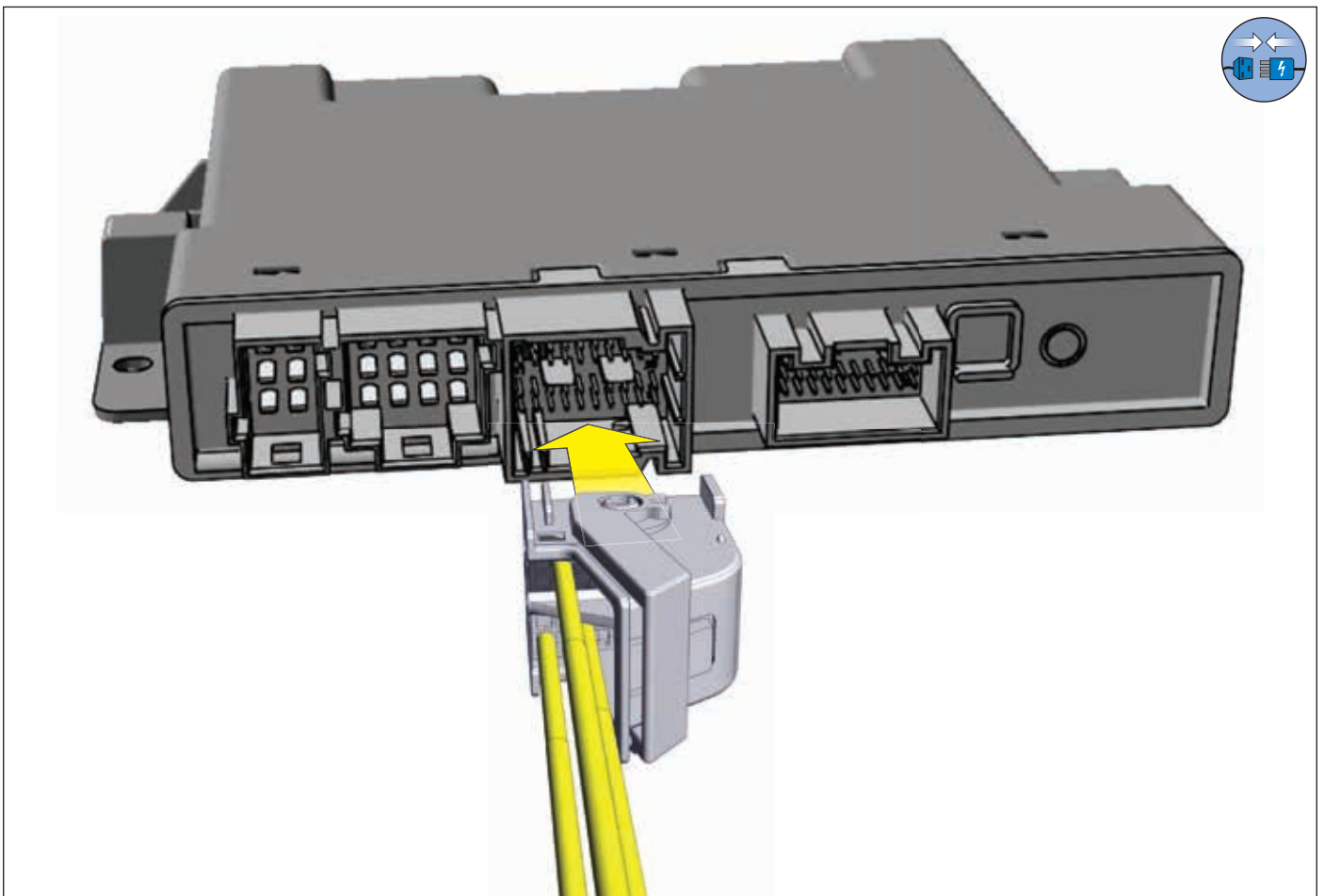
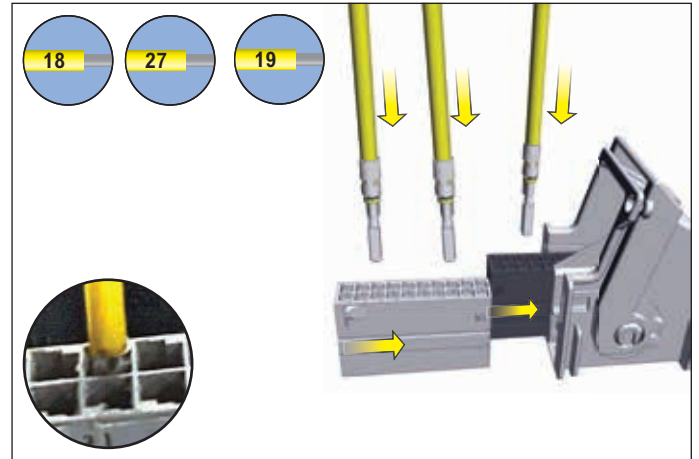
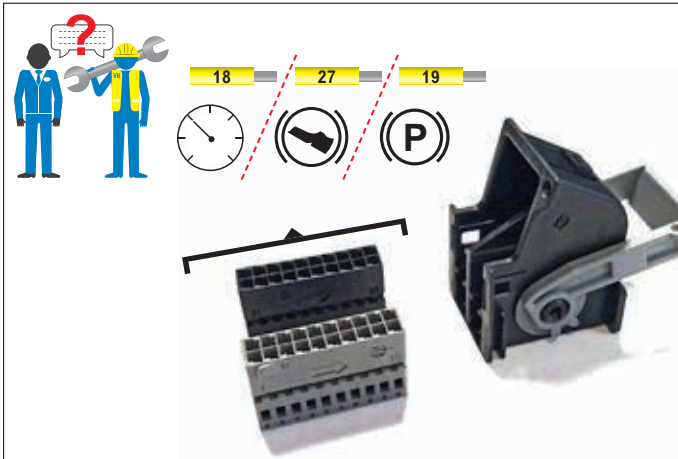
1

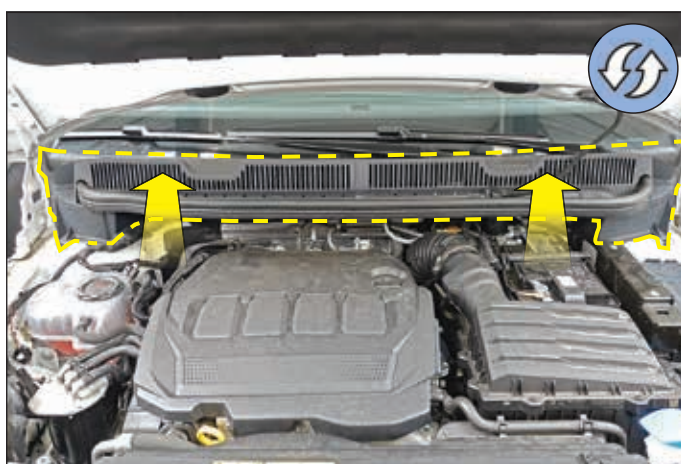
* CFCU, customer-specific functional control unit

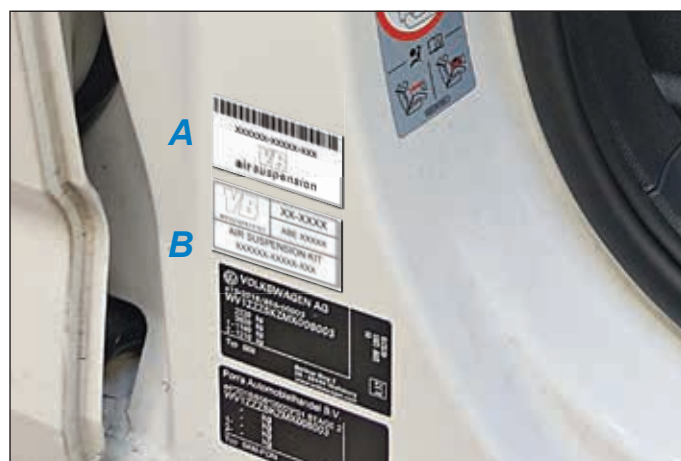
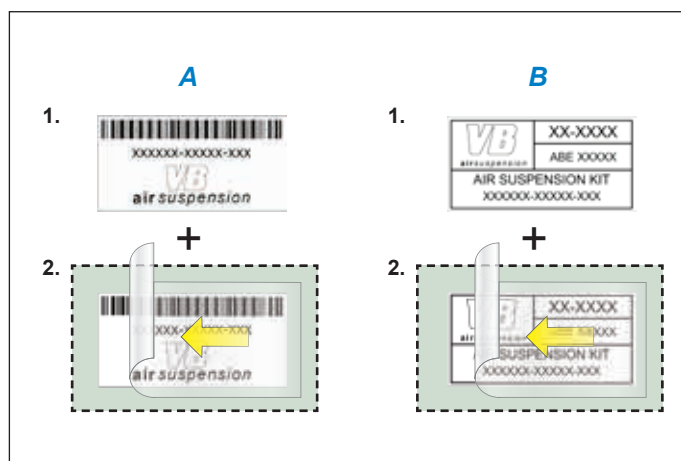
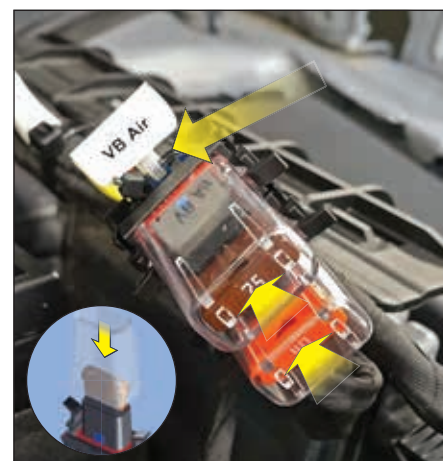
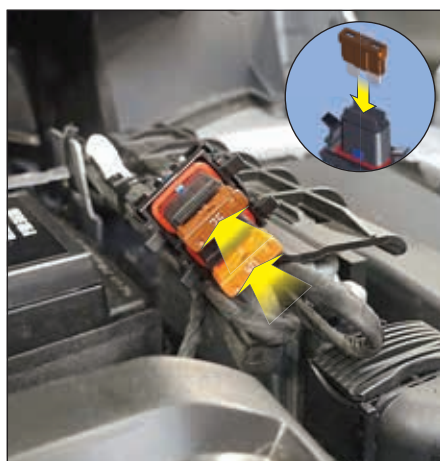
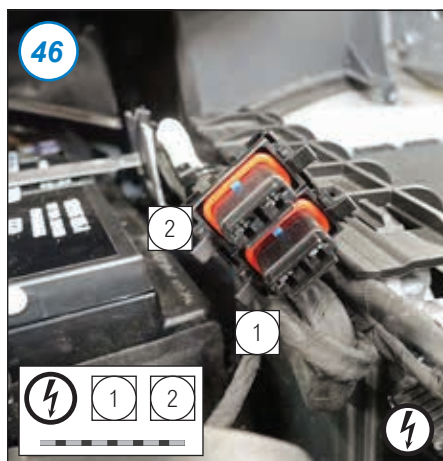












4. CALIBRATION / KALIBRATIE / KALIBRIERUNG / CALBRAGE

A **B** **C** (?) $\Rightarrow$ ELECTRIC DIAGRAM P41



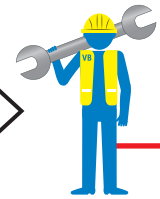
Attention: Read and follow the installation guidelines for vehicle calibration. Follow the guidelines prescribed by VB-Airsuspension.



1. INSTALLATION GUIDELINES
730105000004-ALL

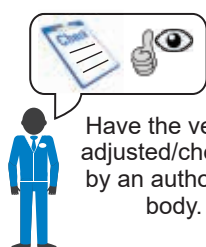
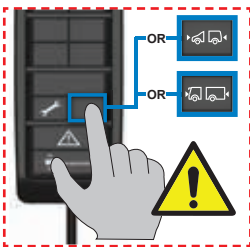


2.

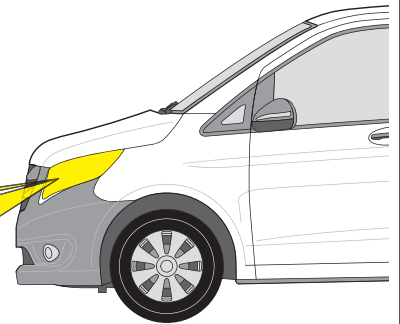
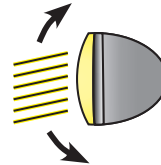


49

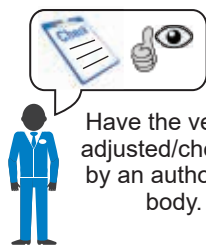
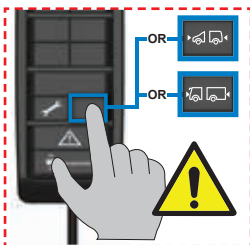
49



Have the vehicle adjusted/checked by an authorized body.



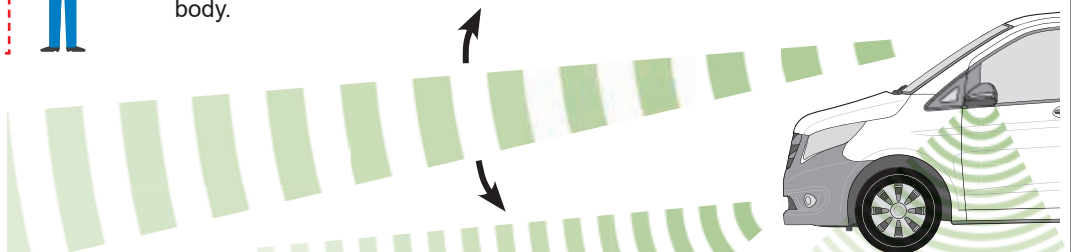
50



Have the vehicle adjusted/checked by an authorized body.

ADAS

(Advanced driver-assistance systems)



5. CHECKLIST / CHECKLIST / CHECKLISTE / CHECK-LIST



Enclosed is a CHECKLIST in English. For a CHECKLIST in your own language, see the supplied VB document CHECKLIST 730105000003-ALL.

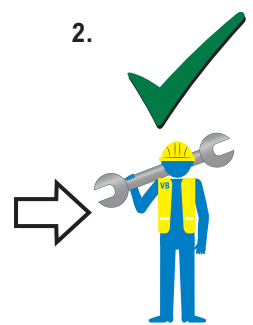
Attention: Fill in the checklist. This checklist should be retained by the dealer and must be available to VB-Airsuspension for inspection on request. Follow the guidelines prescribed by VB-Airsuspension.



1. Checklist
730105000003-ALL



2.



Final checks

- 1.1 ☐ Safety rules and fitting instructions read and followed.
- 1.2 ☐ Ride height correctly calibrated.
- 1.3 ☐ Front axle/rear axle aligned.
- 1.4 ☐ Height sensors correctly fitted.
- 1.5 ☐ Shock absorbers vented.
- 1.6 ☐ Bolted joints tightened to the correct torque and marked with security check paint marker.
- 1.7 ☐ Air tubes, wires and connectors properly secured.
- 1.8 ☐ All parts that were removed have been refitted and checked to ensure they are working properly.
- 1.9 ☐ System checked for air tightness.
- 1.10 ☐ Clearance around air springs checked.
- 1.11 ☐ Identification stickers, plus protective film, affixed to the vehicle.
- 1.12 ☐ Headlamp adjustment checked.
- 1.13 ☐ If required, have ADAS (Advanced Driver Assistance Systems) recalibrated.
- 1.14 ☐ VB-ID card inside cover of user manual.
- 1.15 Documentation present in vehicle:
 - ☐ - User manual
 - ☐ - TÜV/ABE documentation
 - ☐ - Original vehicle documentation
- 1.16 ☐ Battery voltage (<12.4 volt = charge).
- 1.17 ☐ Tyre pressures correct.

System functions

- 2.1 ☐ * Raise manually.
- 2.2 ☐ * Lower automatically.
- 2.3 ☐ * Lower manually.
- 2.4 ☐ * Raise automatically.
- 2.5 ☐ Test drive carried out.

☐ **SYSTEM OK**

* Not for VB-NivoAir

Completed as a true and accurate record:

Date: - -

VIN:

Dealer: _____

VB-ID-no.: -

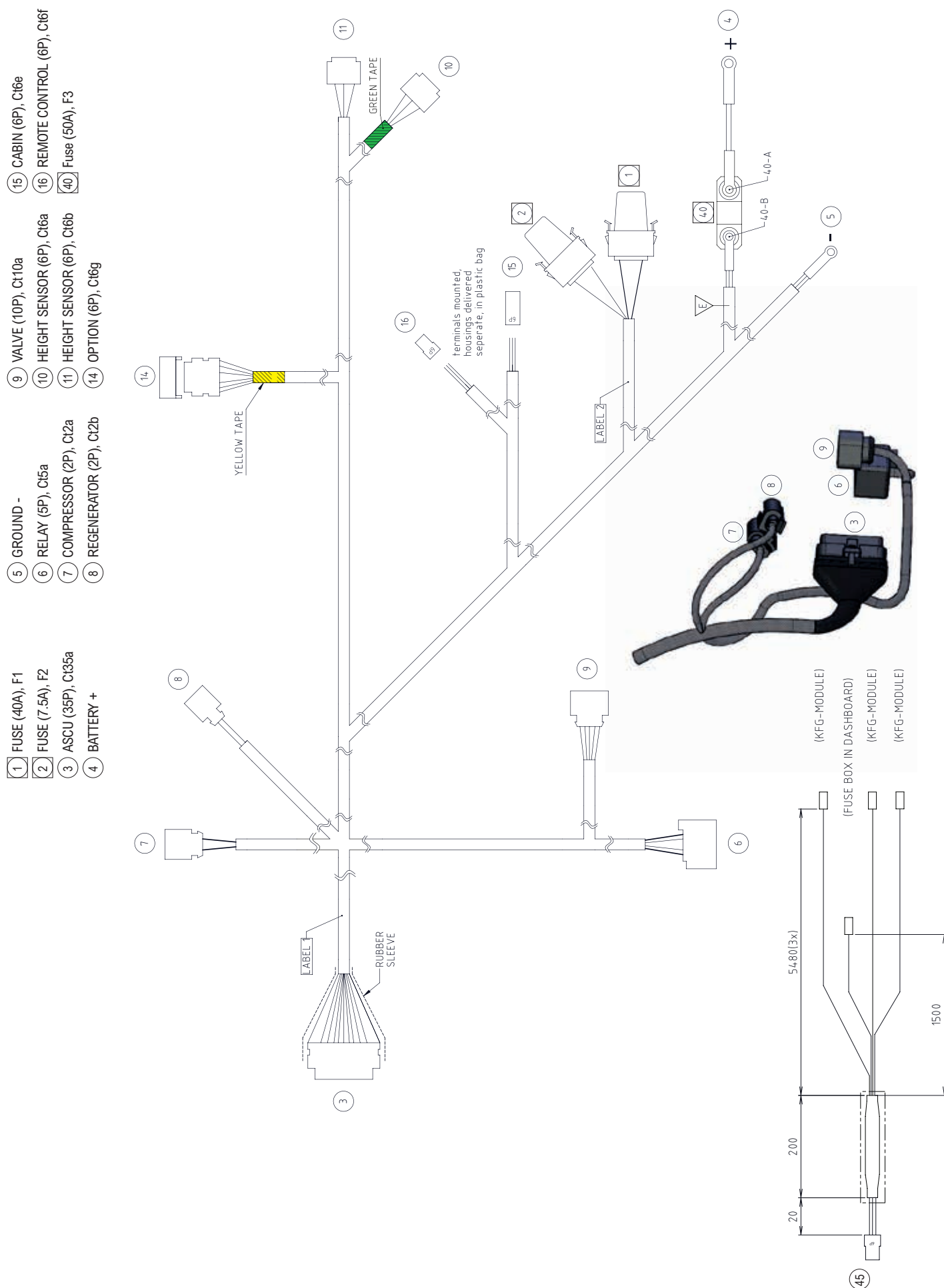
Kit numbers(s):

Fitting instructions no.:

Version:

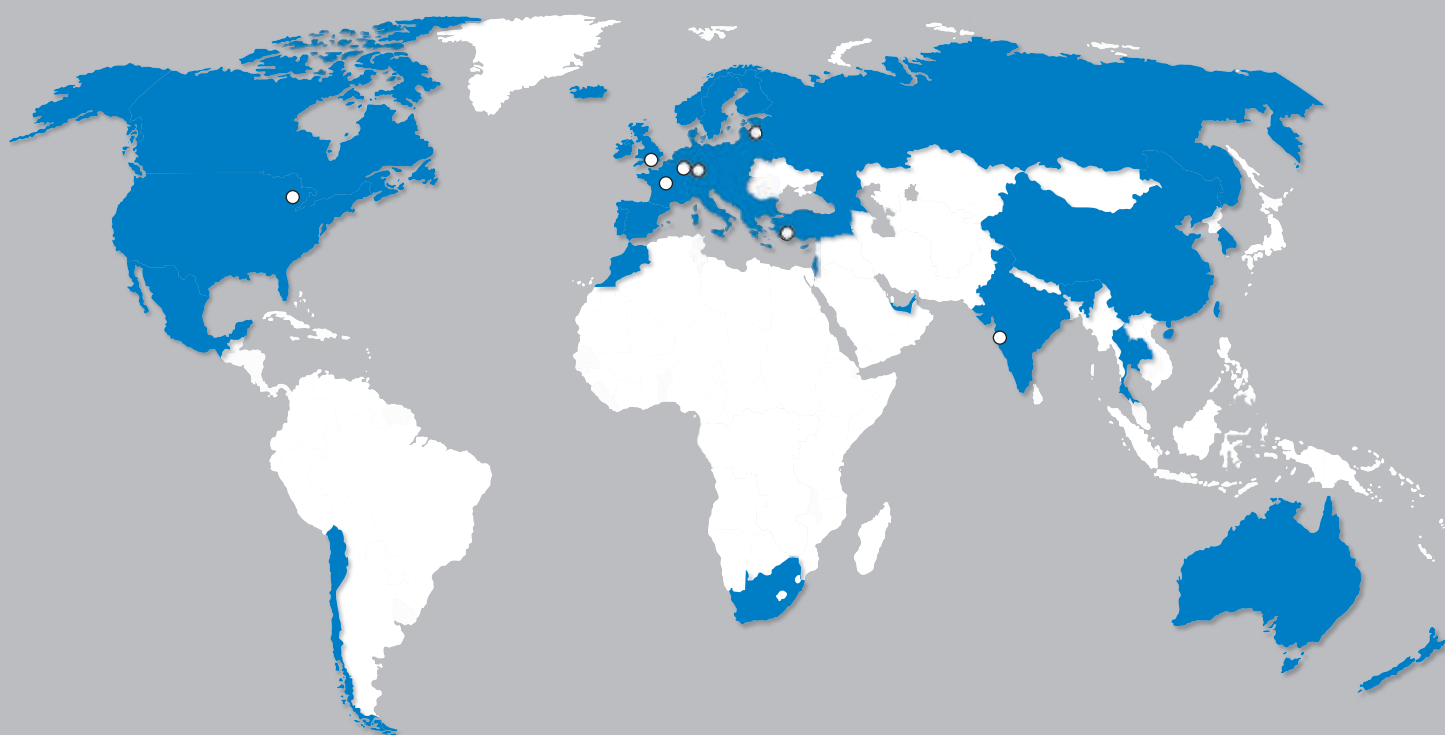
This checklist should be retained by the dealer and must be available to VB-Airsuspension for inspection on request.

6. ELECTRICAL DIAGRAM / ELEKTRISCH SCHEMA / SCHALTBILD / SCHÉMA ÉLECTRIQUE





Lined paper template with horizontal ruling lines.



VB-AIRSUSPENSION,

INCREASED COMFORT, BETTER DRIVEABILITY, MORE SAFETY.



730105092400 ALL V2.1