

FITTING INSTRUCTIONS

making everyday smoother



VOLKSWAGEN T5/T6/T6.1

**VB-NivoAir
rear axle**

FOR KIT: 1900906201



REVISION TABLE

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All	Updated: Layout		

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EN

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NL

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DE

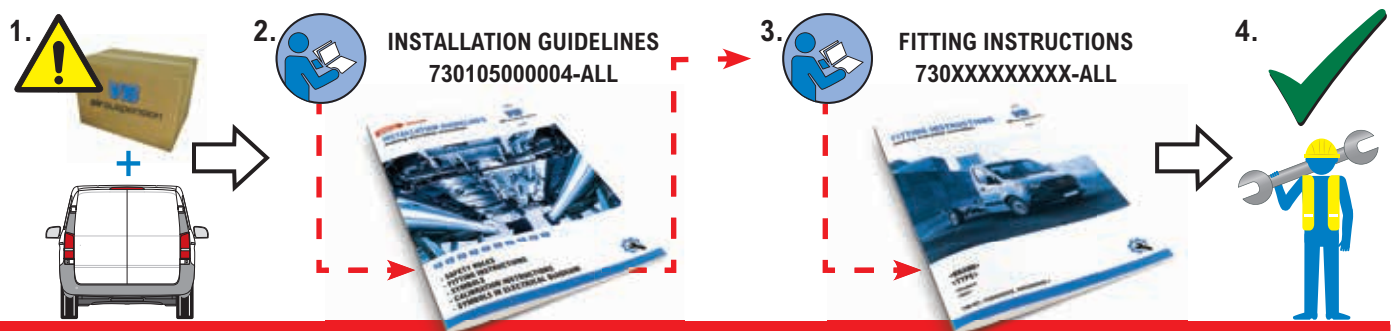
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FR

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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.



1. VARIATIONS / VARIATIES / VARIATIONEN / VARIATIONS



5/6 Volkswagen **T5 / T6**

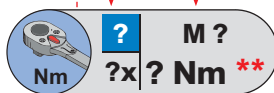


6.1 Volkswagen **T6.1**



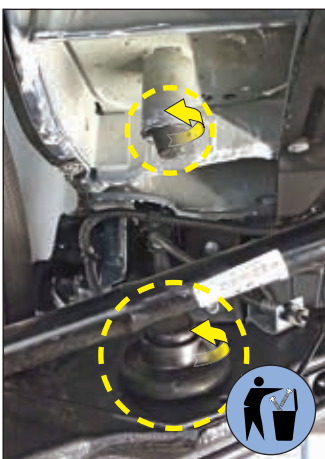
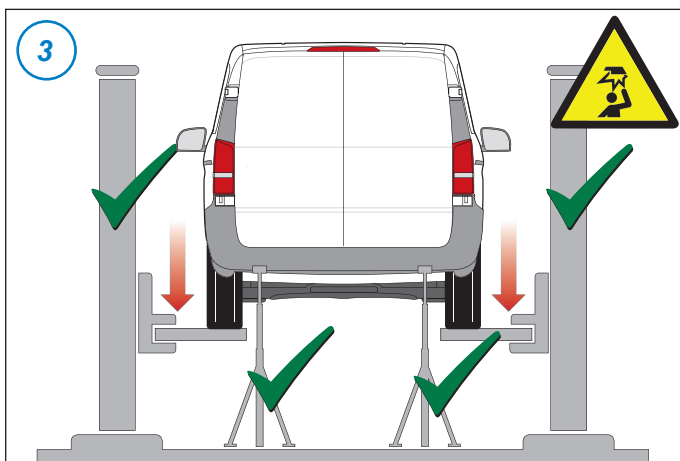
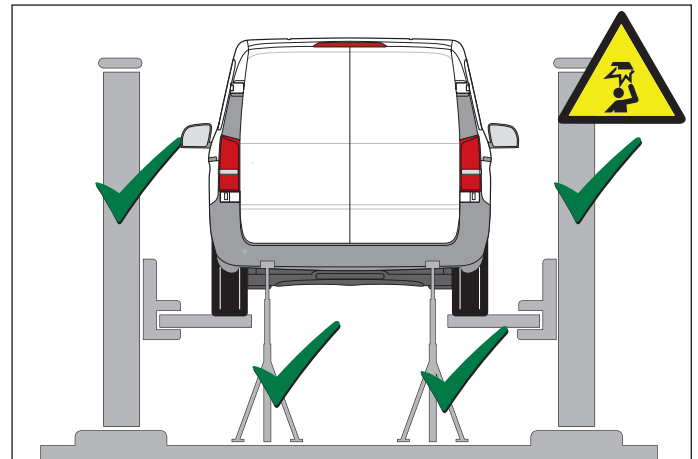
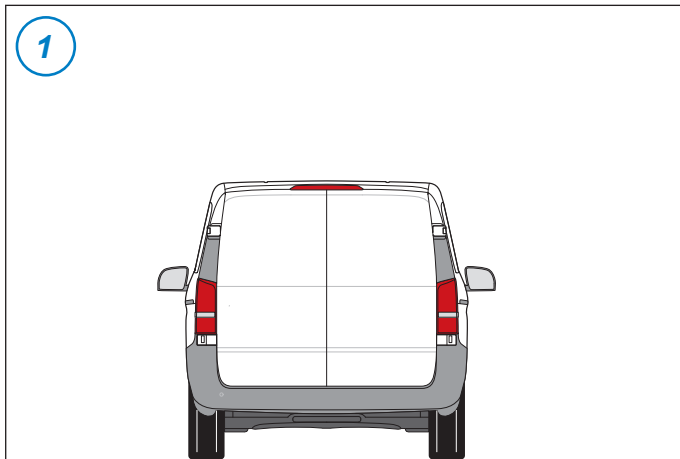
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1050906462 / 463 / 472 / 473				
Nr.	Article number	Qty	Product Name	Nm
1	0010712065SP	2	 M12x65x1.5 10.9	110
2	0010714095SP	2	 M14x95x1.5 10.9	175
3	0011114000SP	2	 M14x1.5 10.9	175
4	0012748160	1	 4.8x16	4
5	0012610025AA	2	 M10x25	60
6	0011210000AA	2	 M10	-
7	0011310000A	2	 M10xØ30	-
8	0011110000CH	2	 M10	60



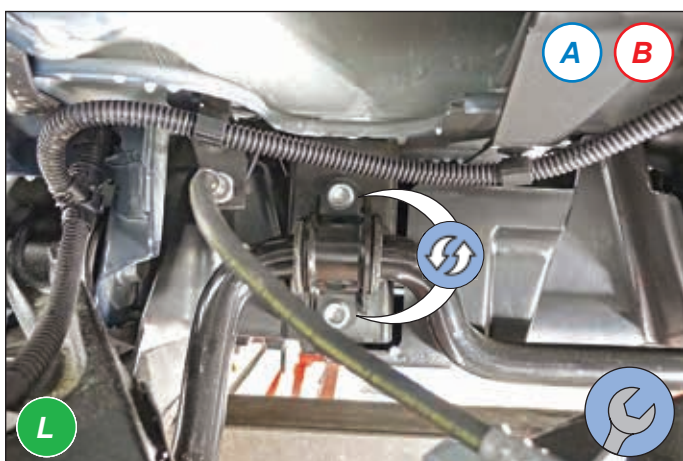
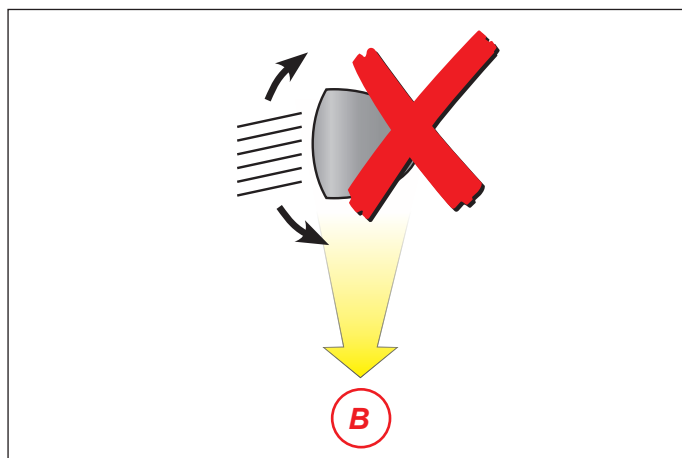
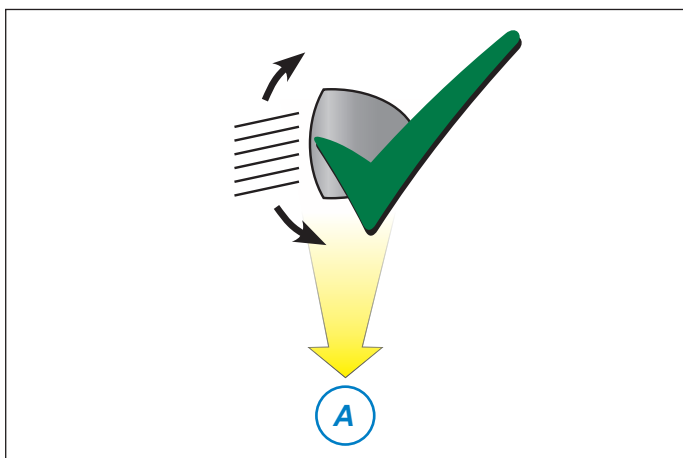
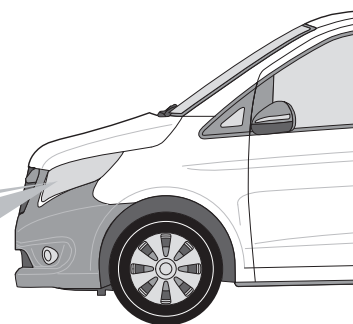
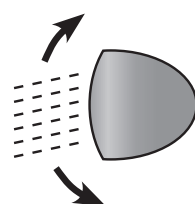
****** = Do not tighten the bolts yet. Tighten as soon as the vehicle is at driving height as indicated in this manual.

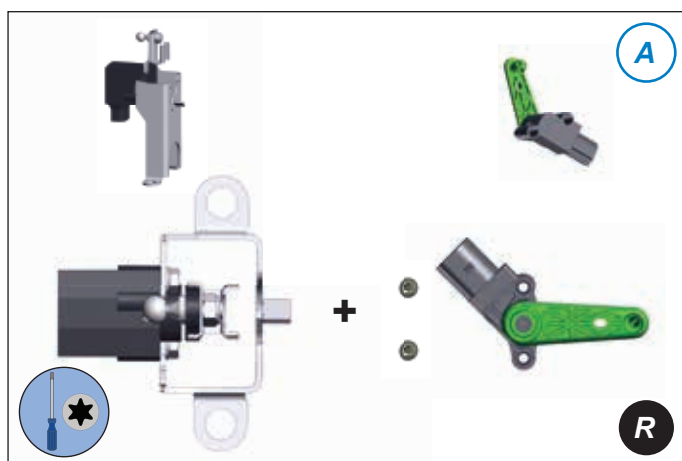
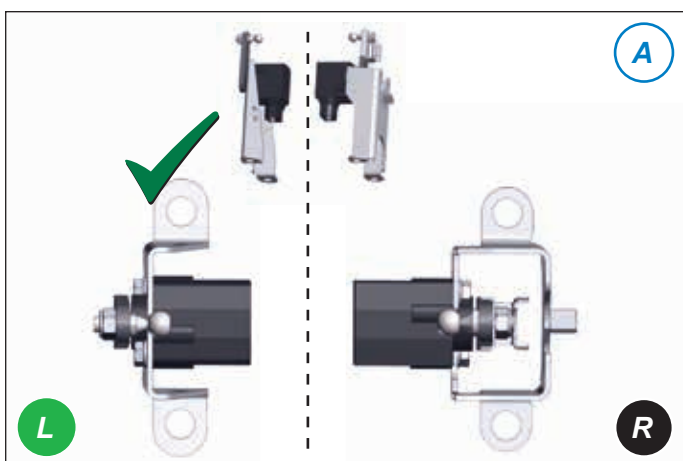
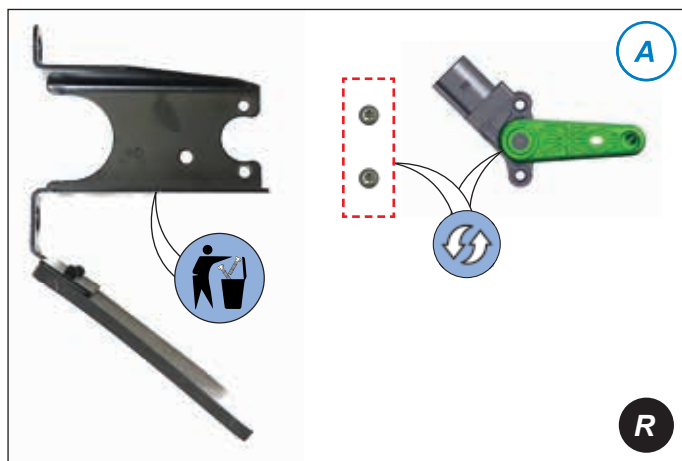
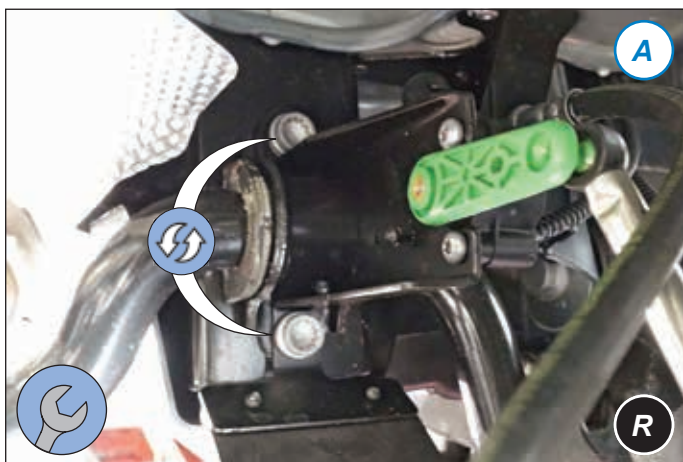
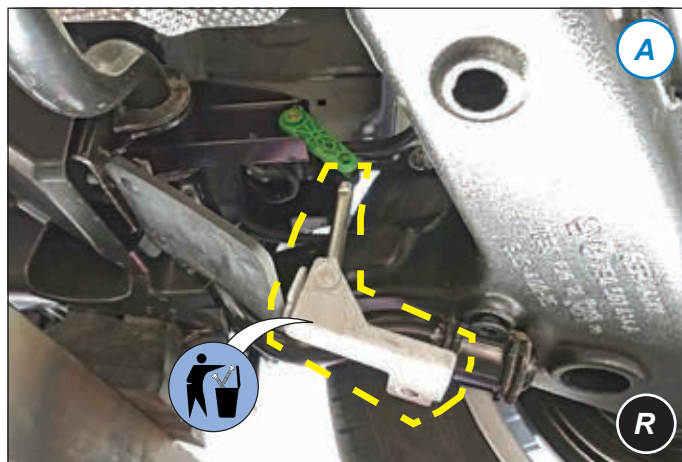
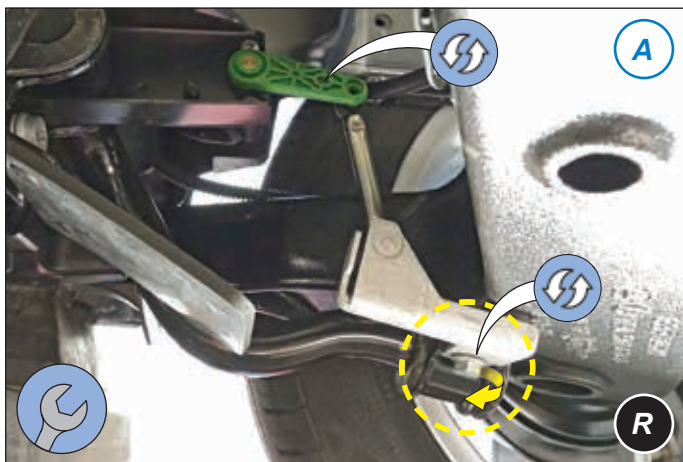
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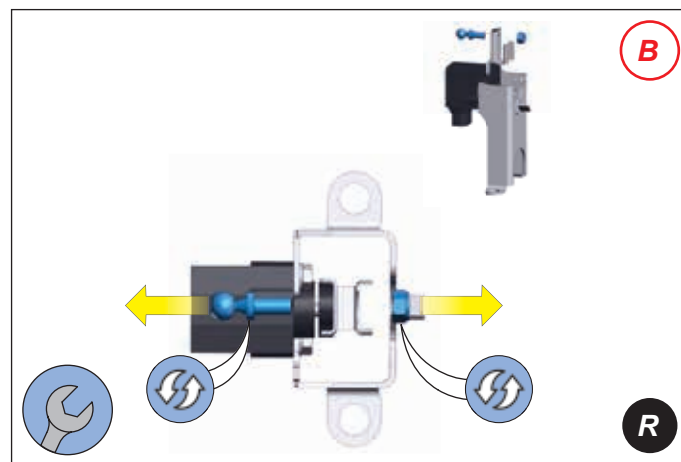
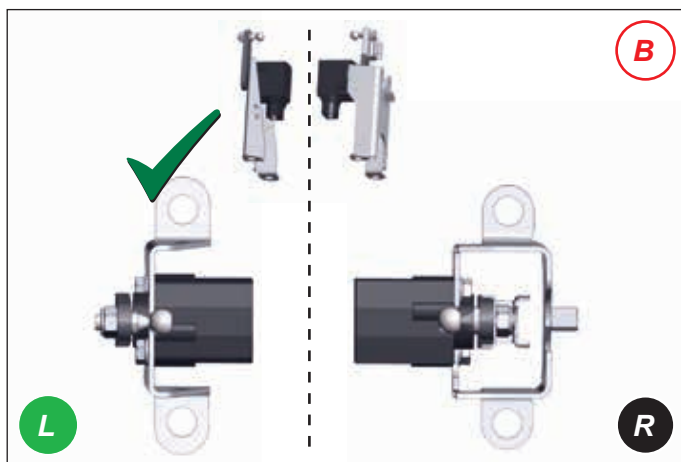
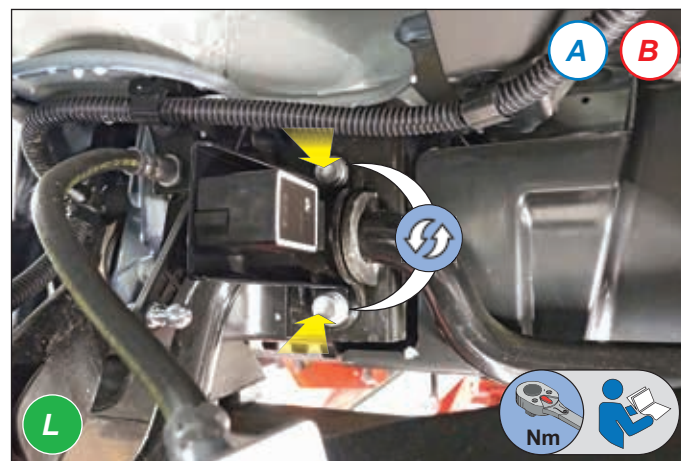
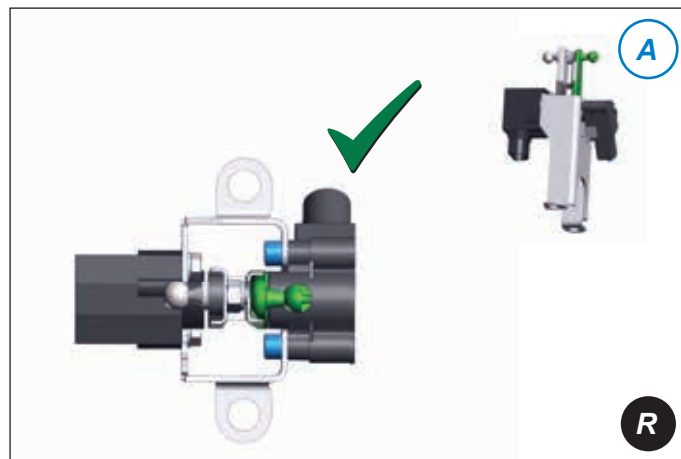
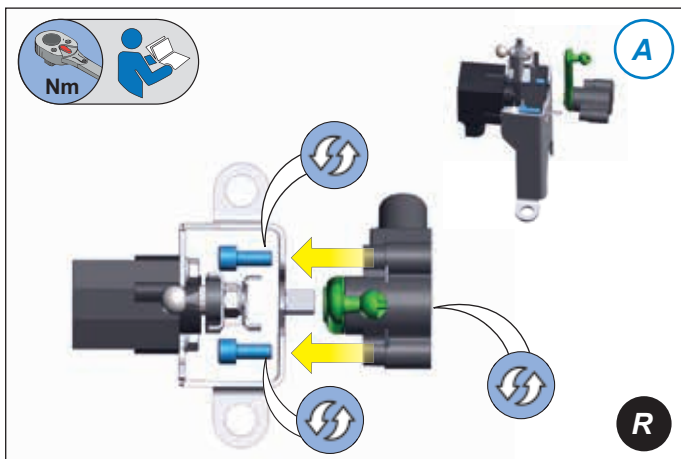


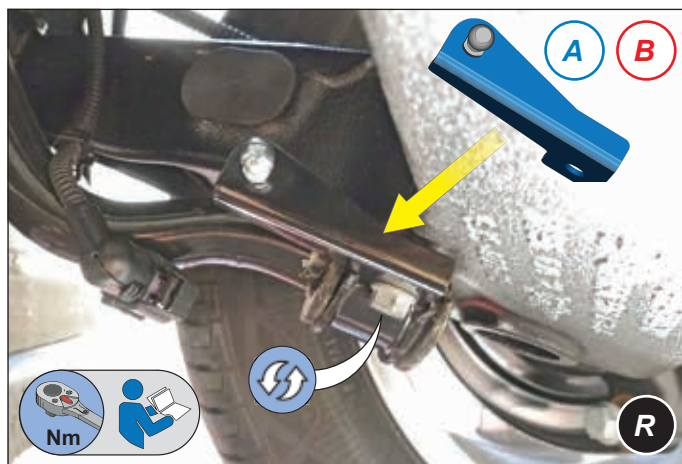
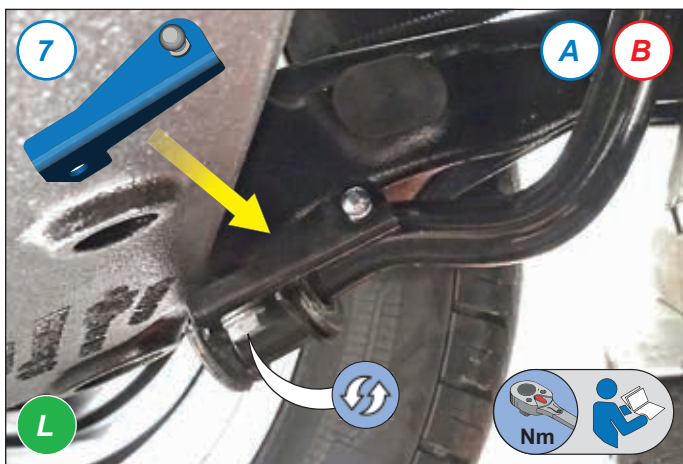
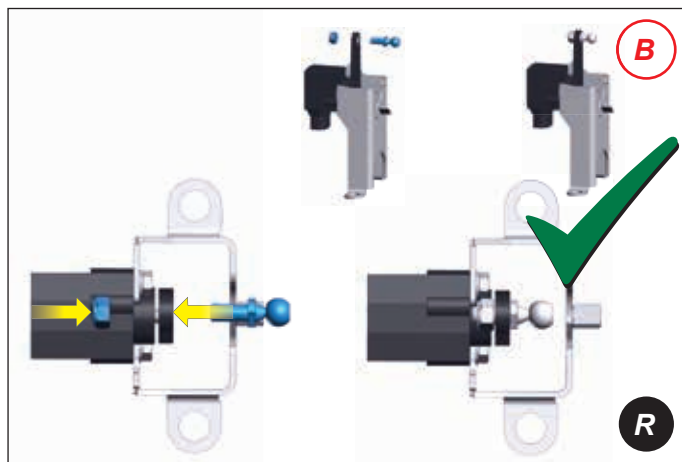
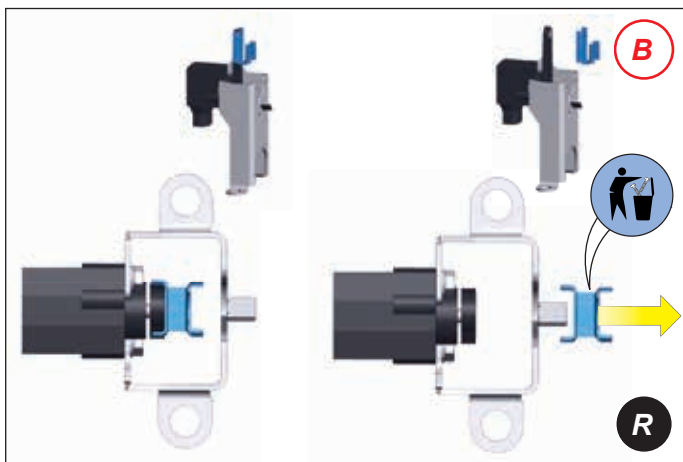


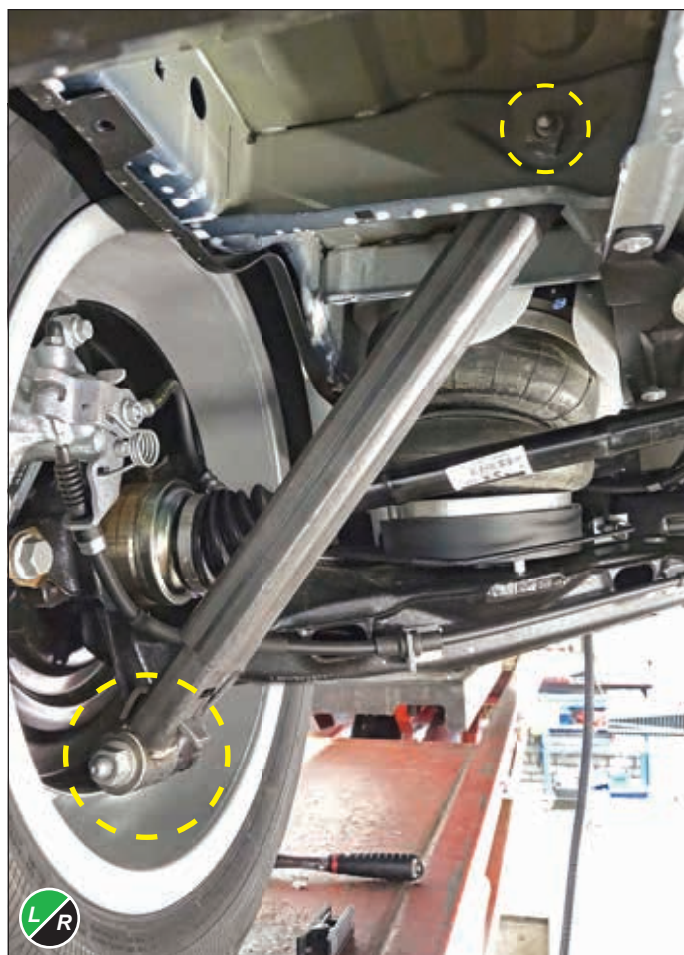
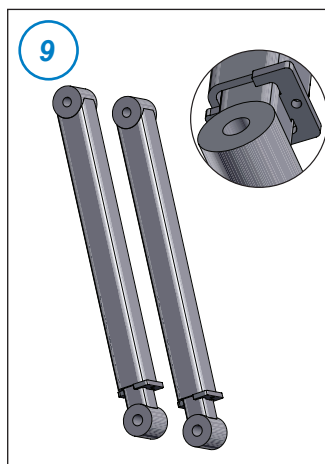
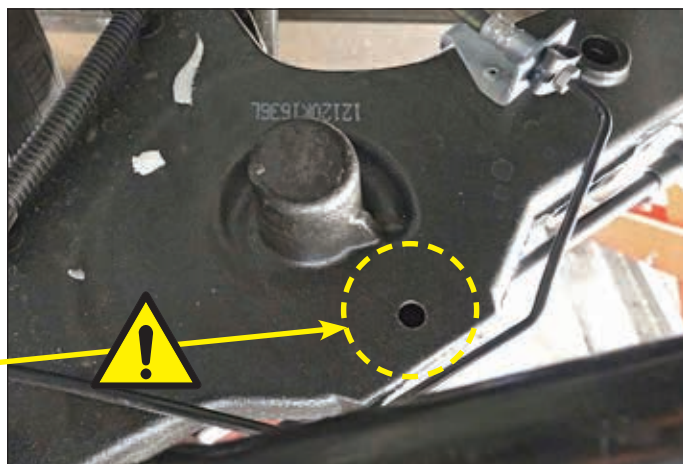
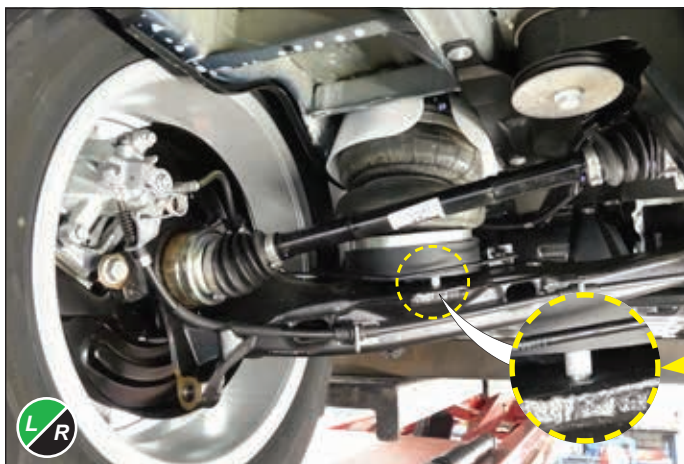
- 6
- Automatic LED height control
 Automatische led-hoogteregeling
 Automatische LED-Höhenkontrolle
 Contrôle automatique de la hauteur des LED
 Controllo automatico dell'altezza dei LED
 Automatisk LED-höjdkontroll
 Автоматический светодиодный контроль высоты
 Otomatik LED yükseklik kontrolü

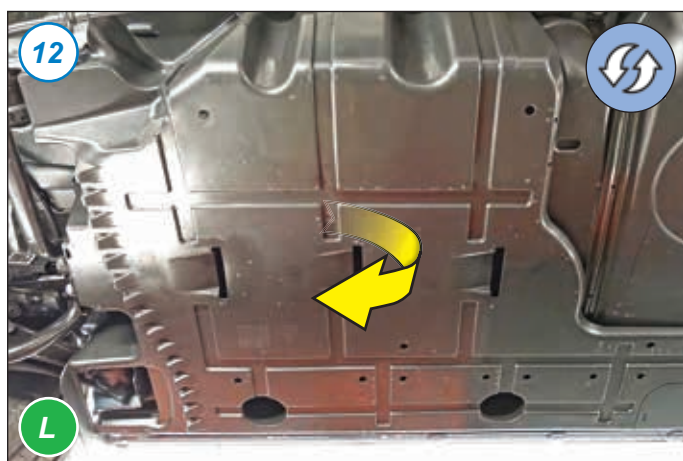
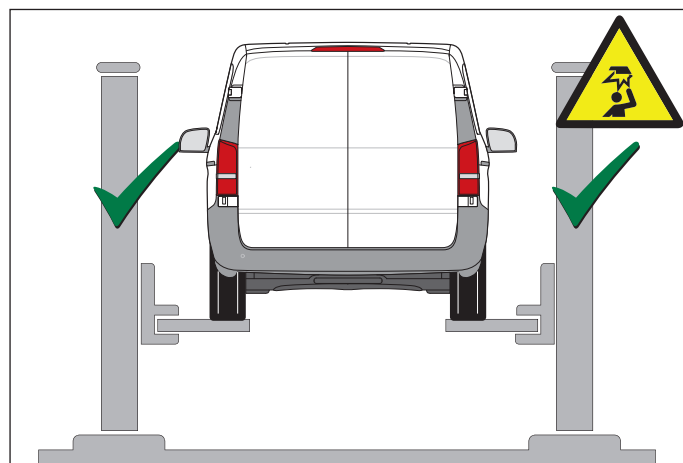
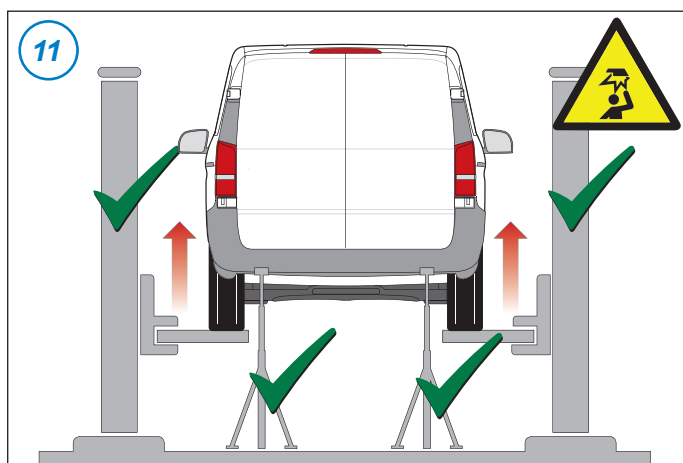
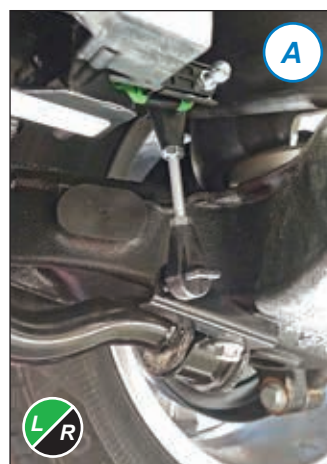




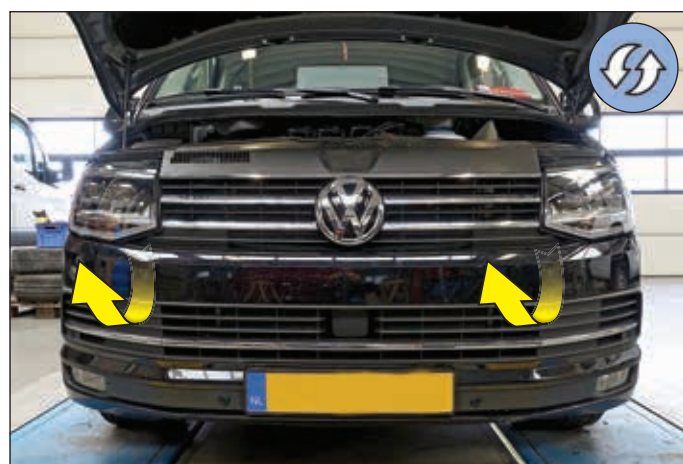
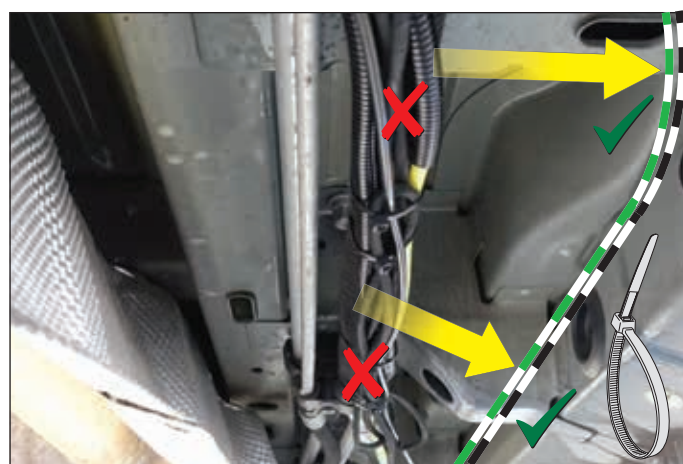
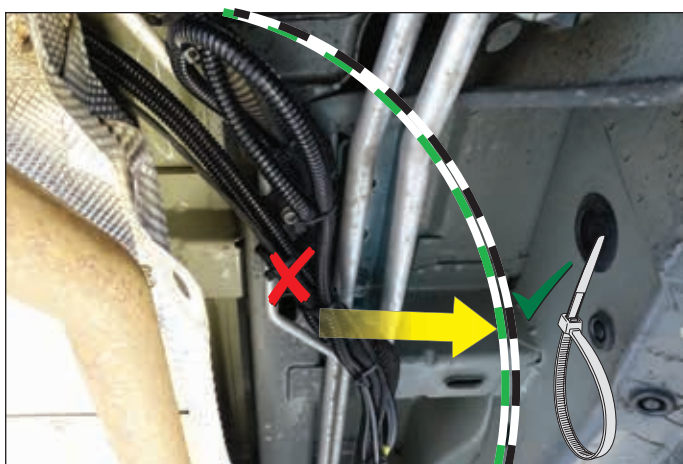


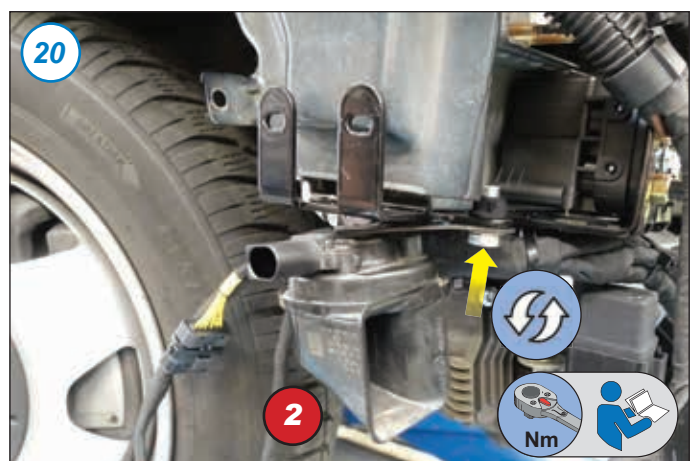
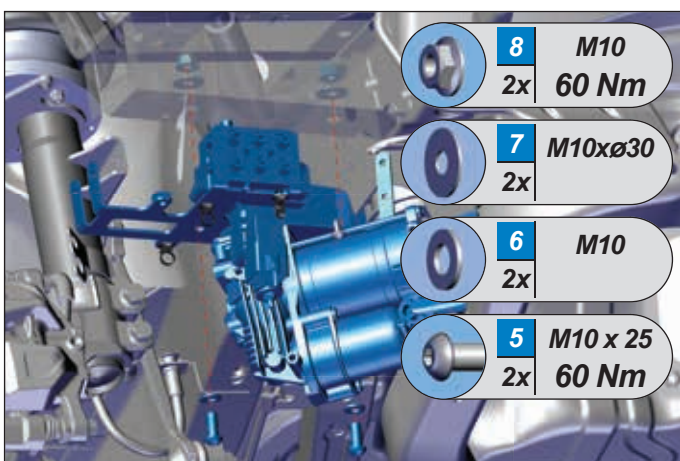
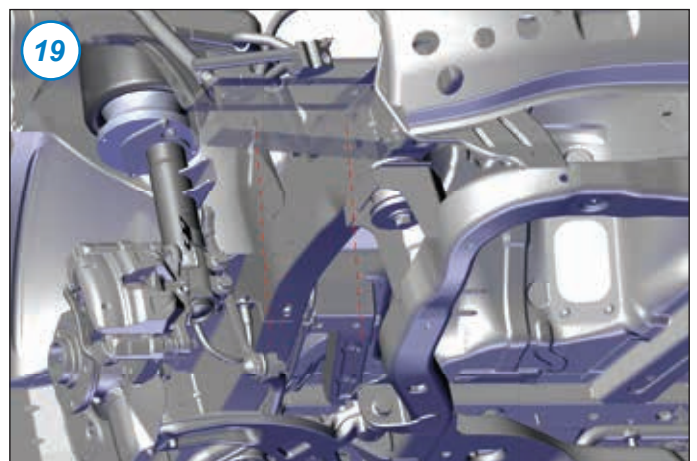
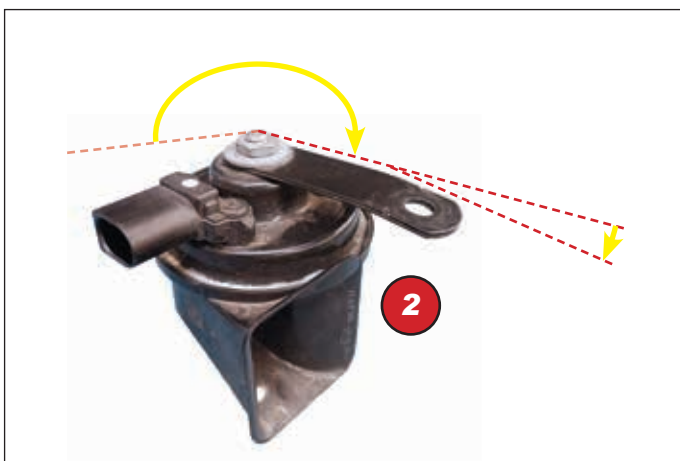
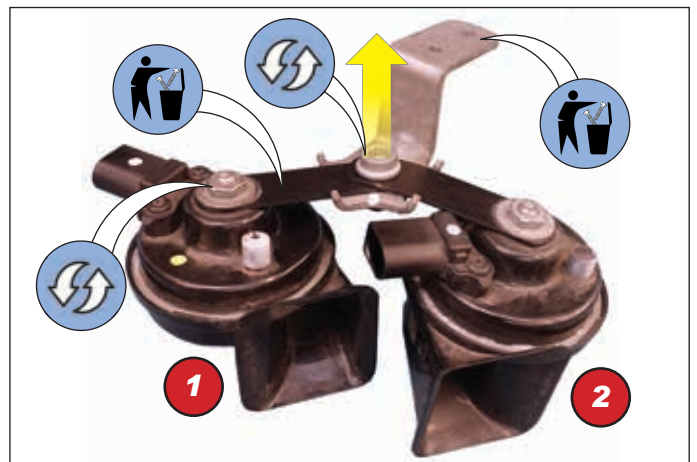
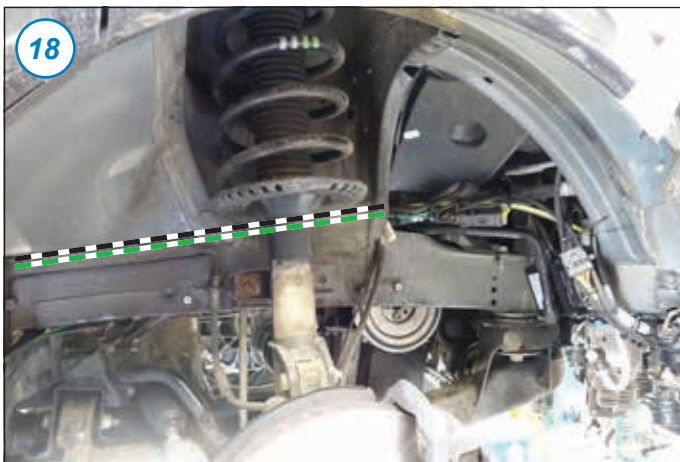
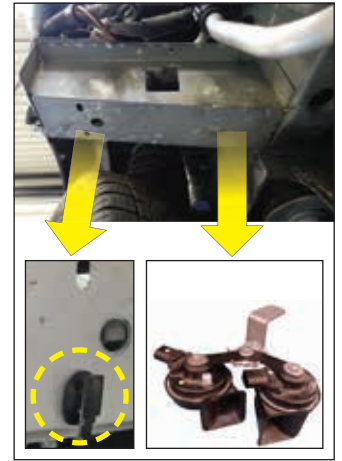
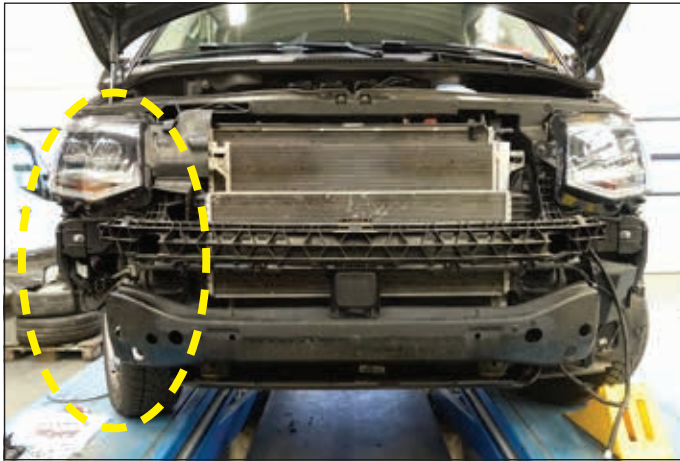


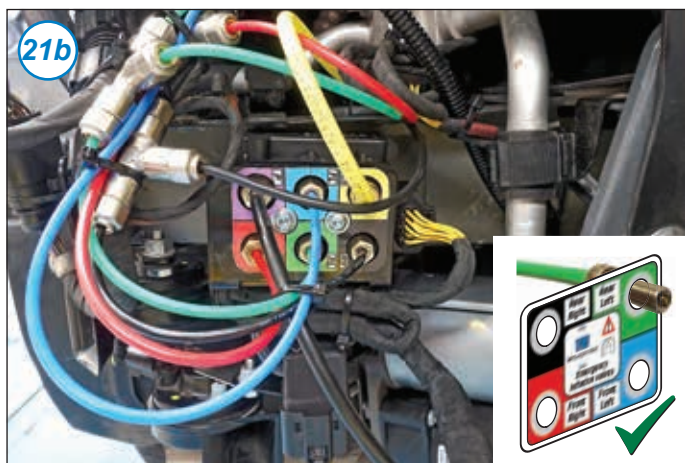
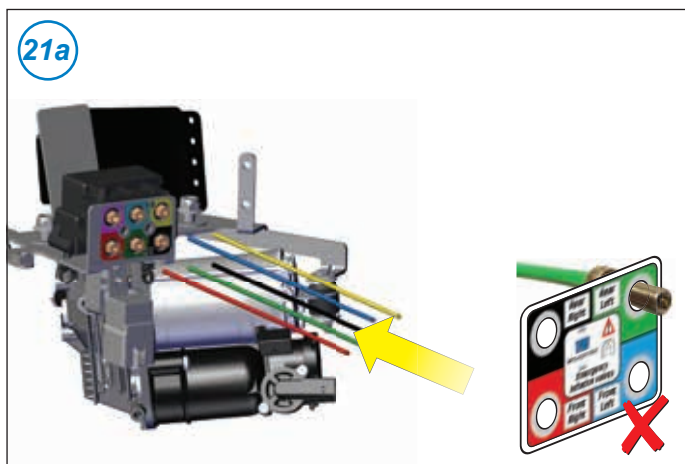
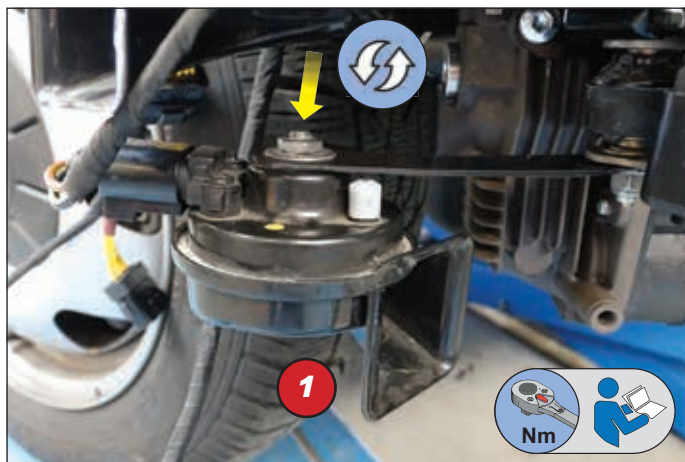




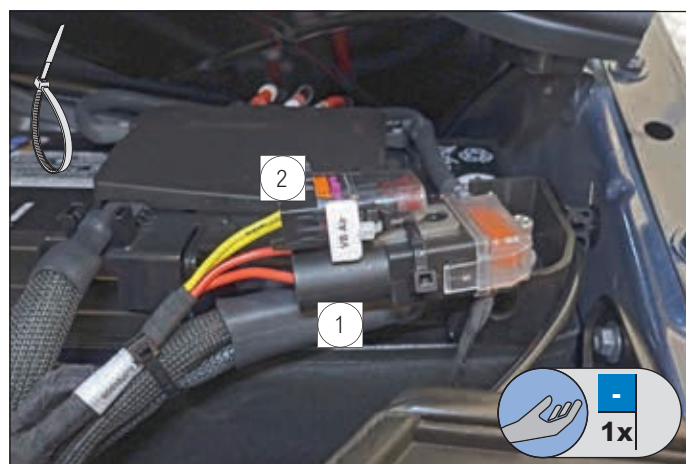
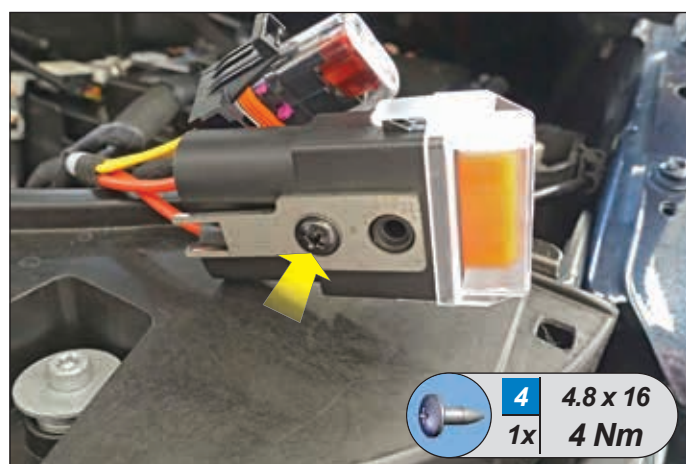
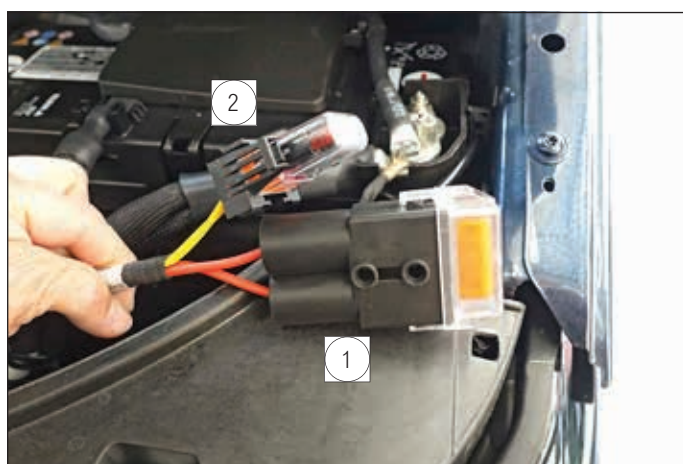
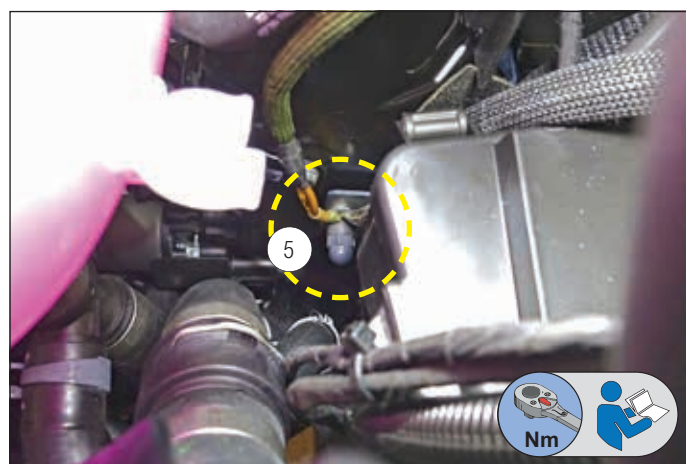
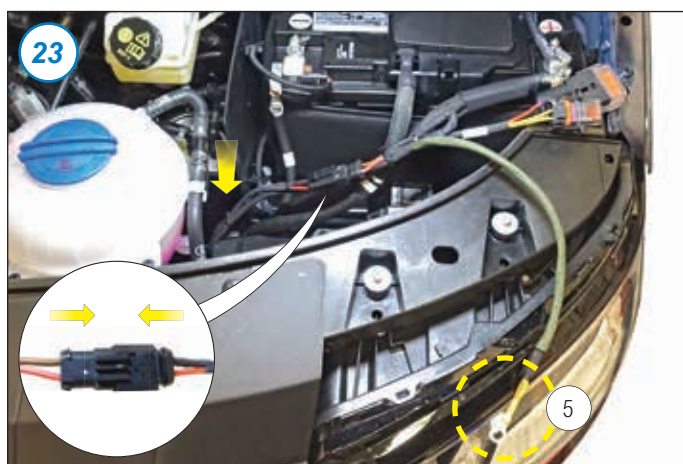
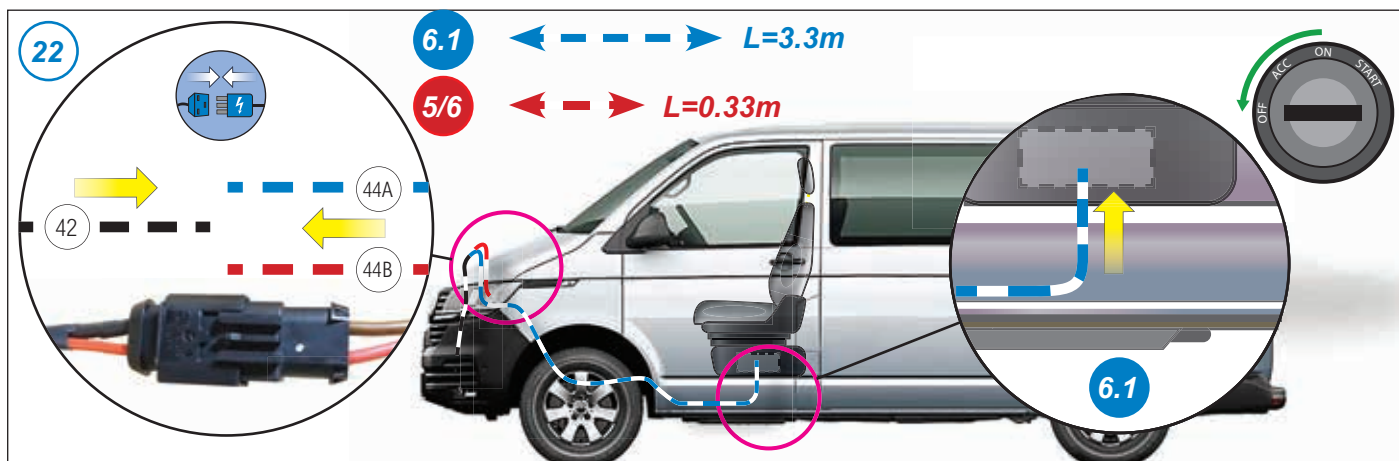


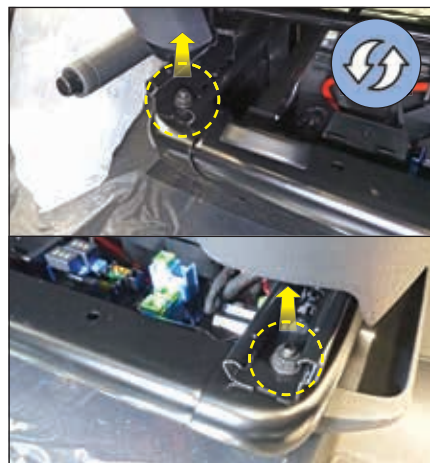
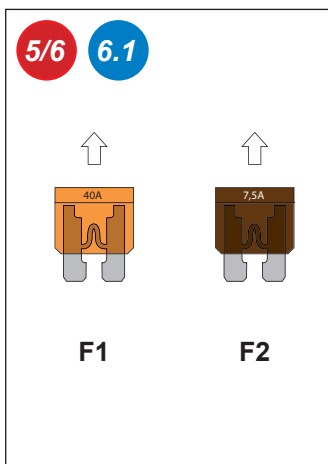
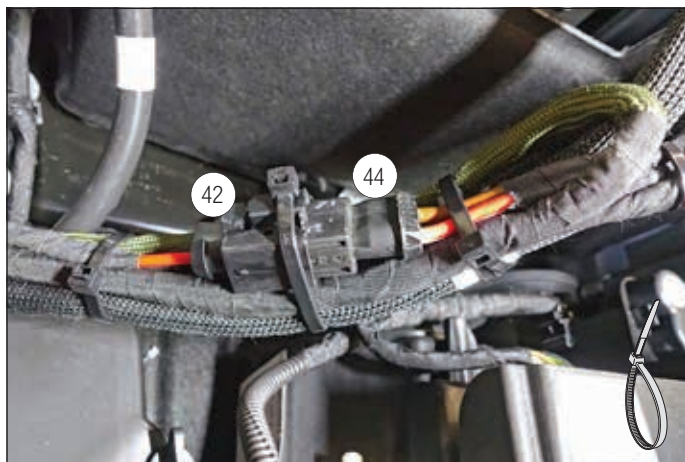
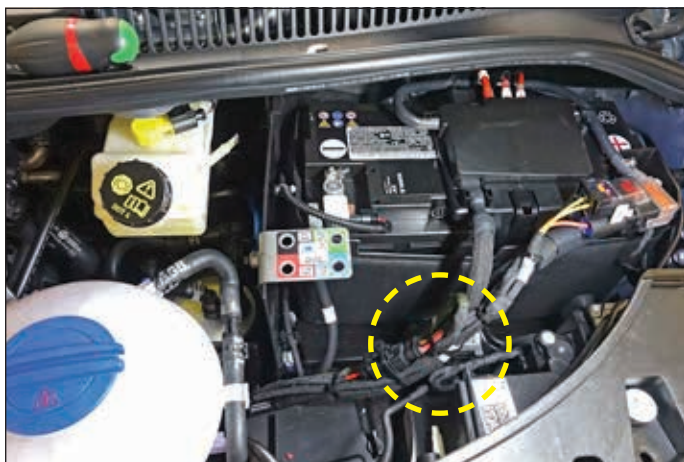




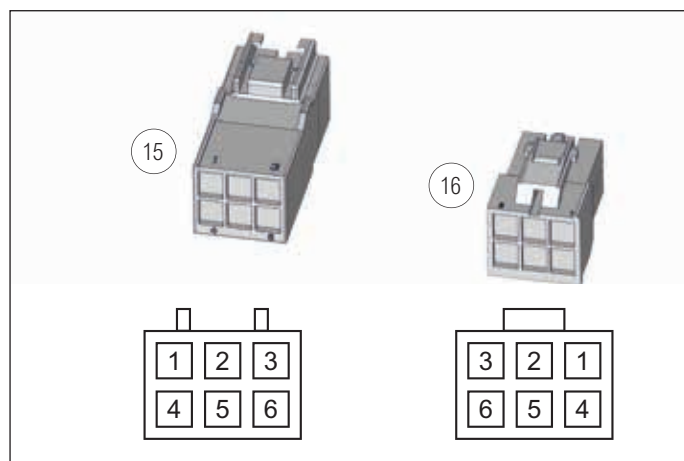
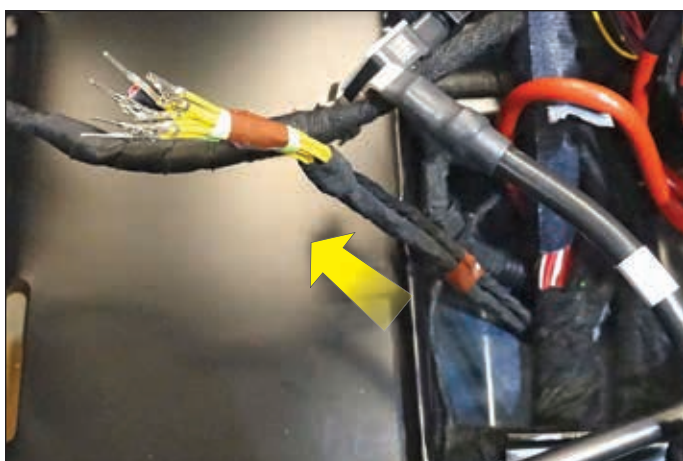
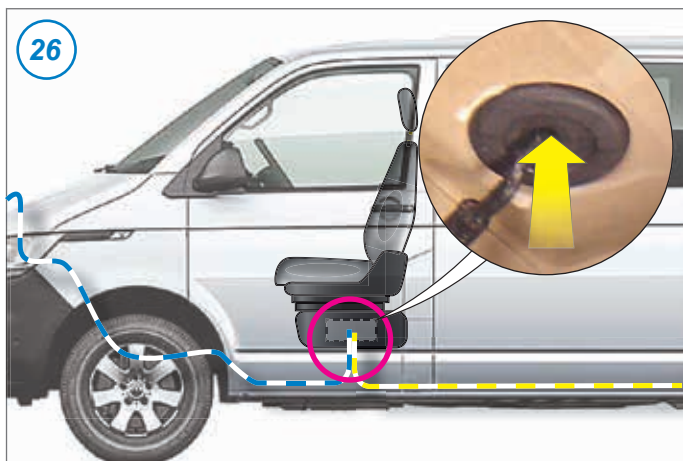
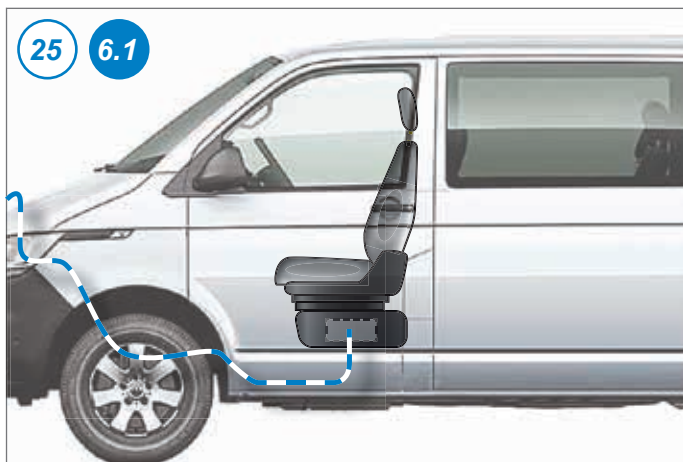


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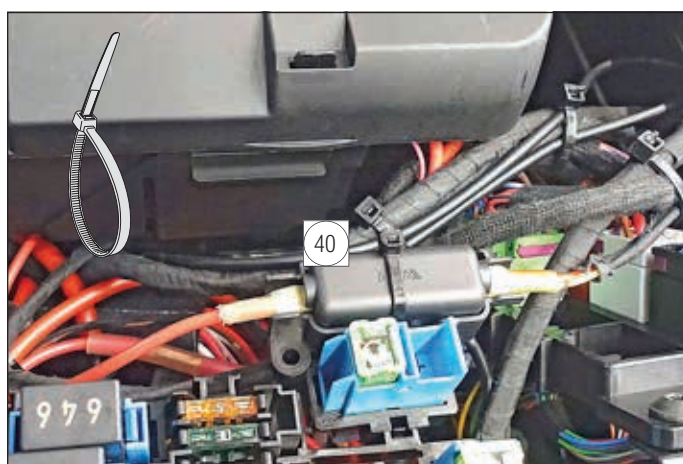
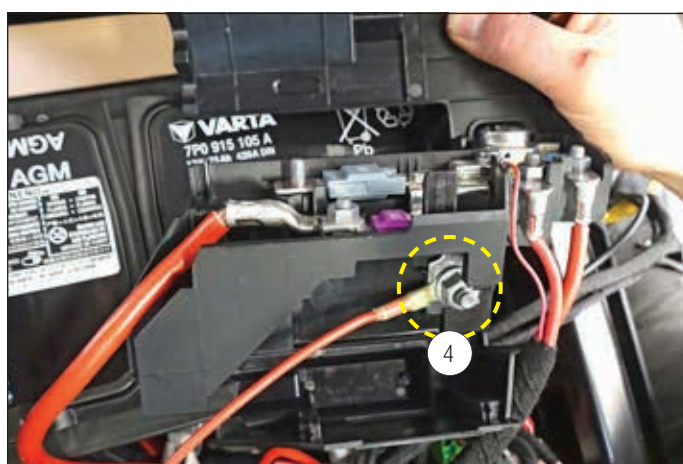
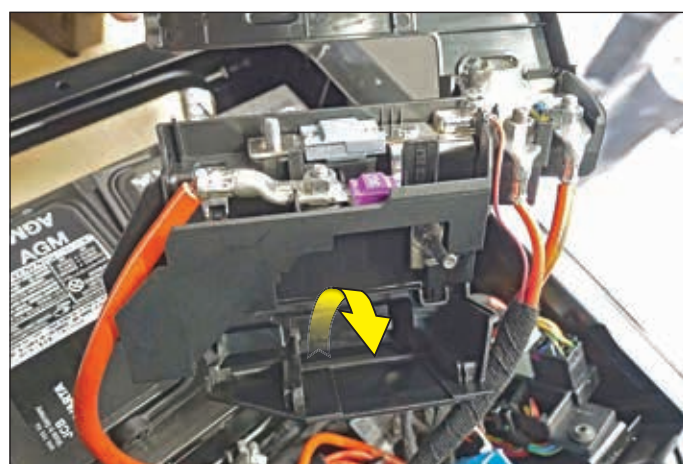
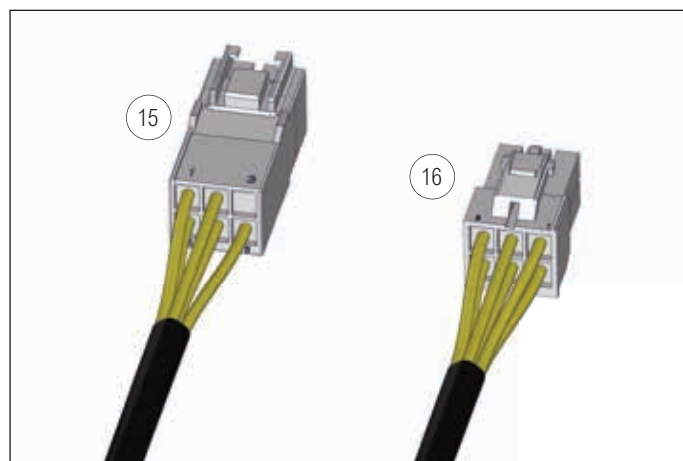
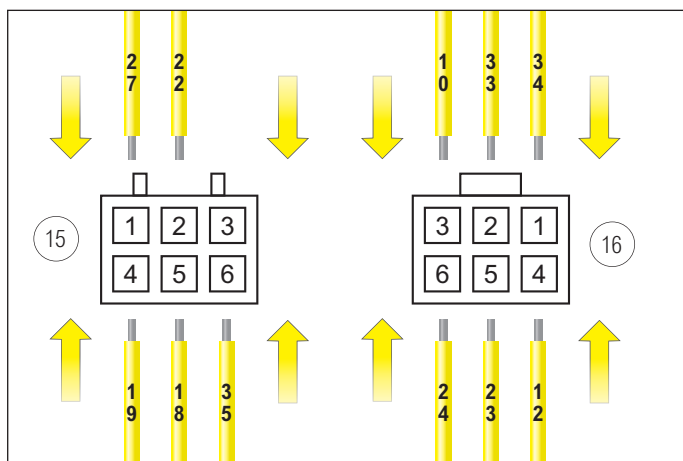




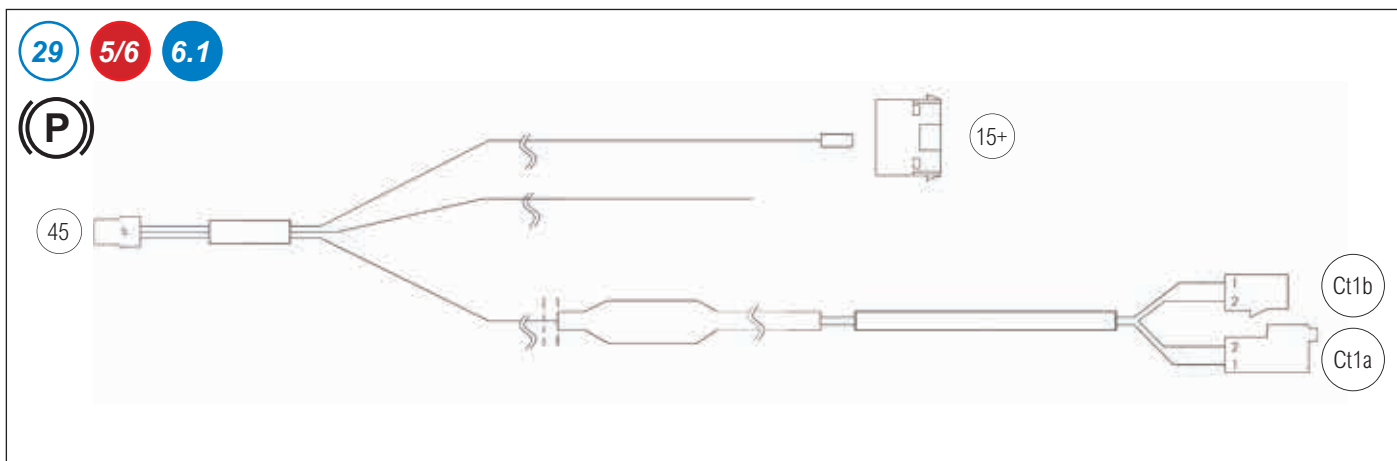
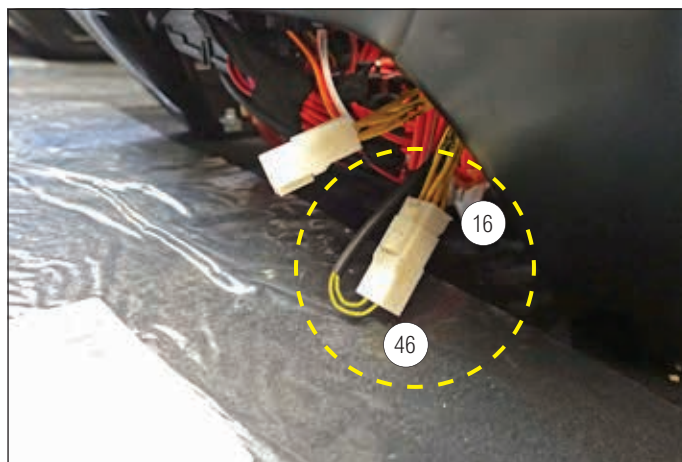
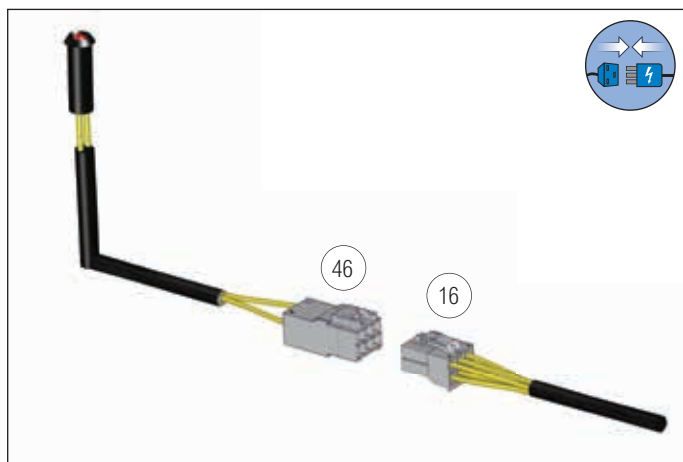
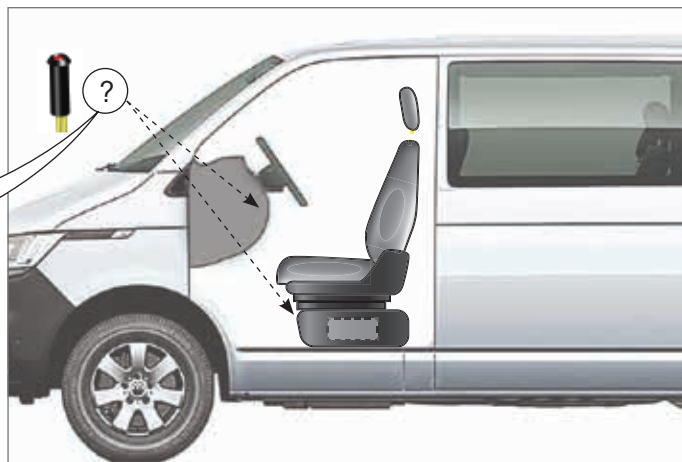
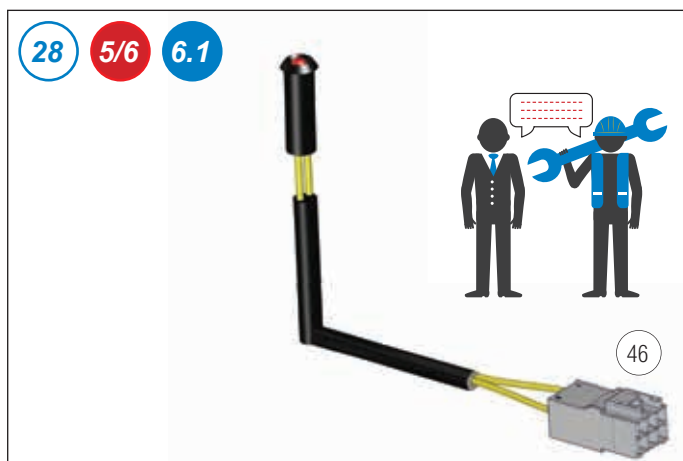
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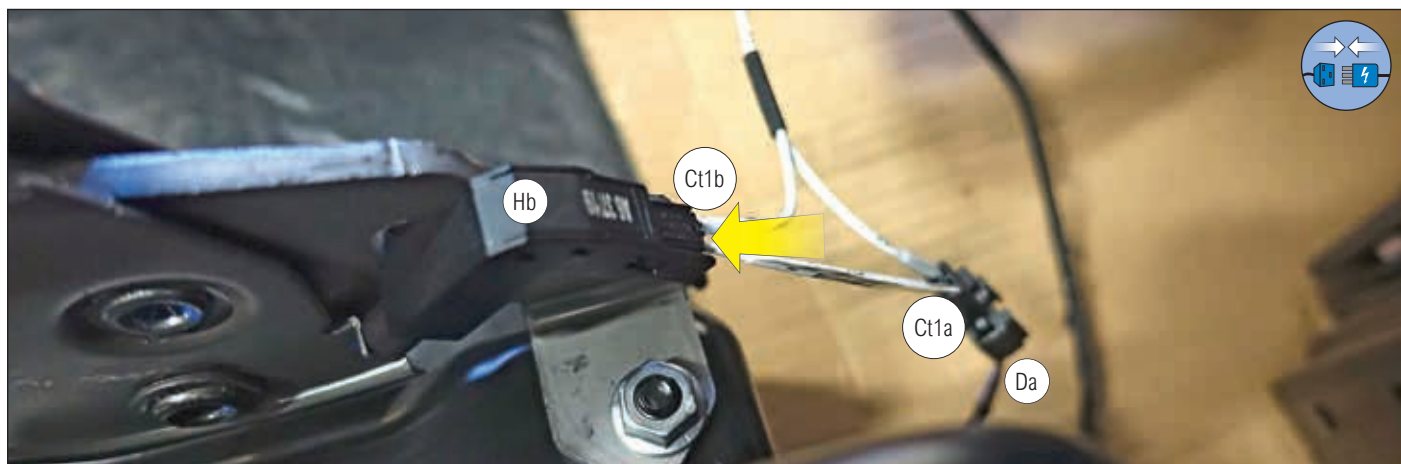
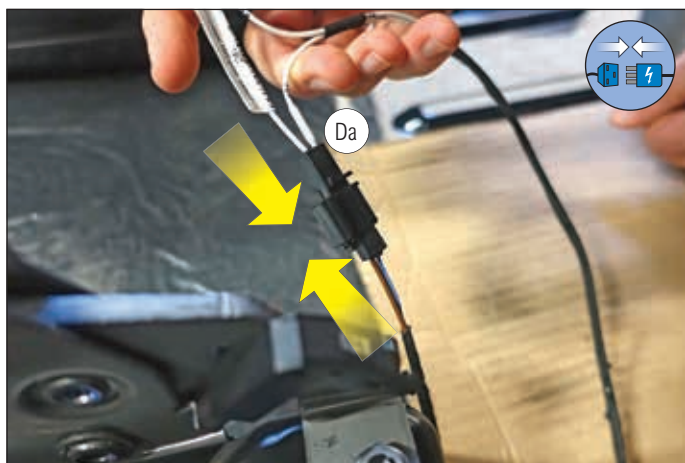


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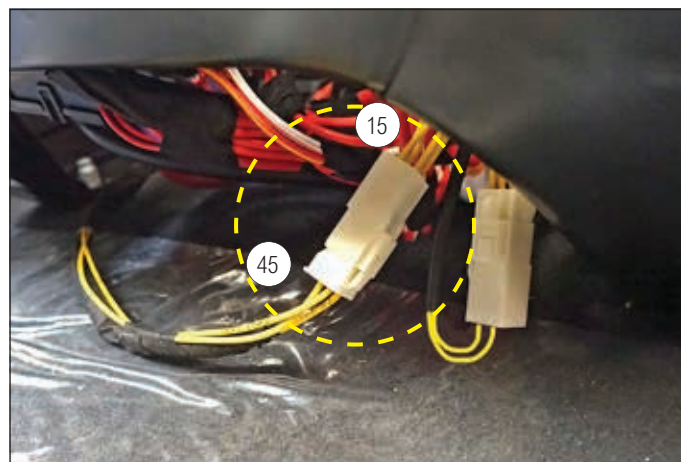
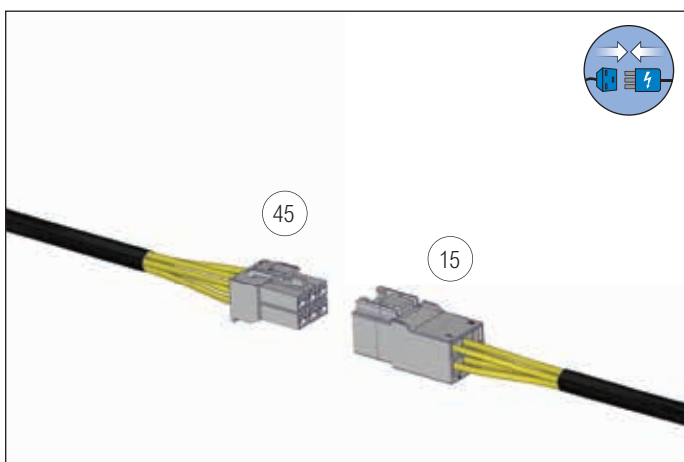
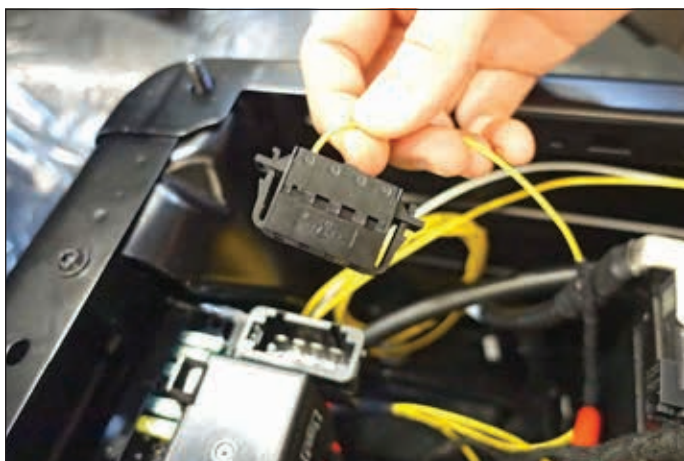
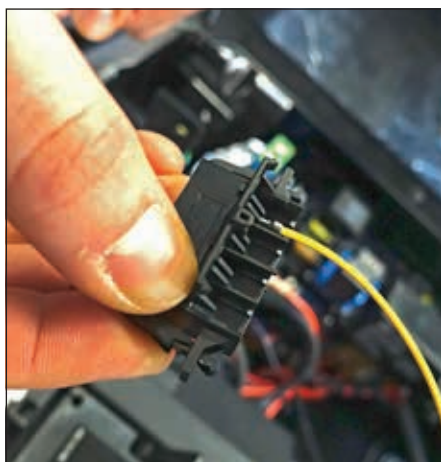
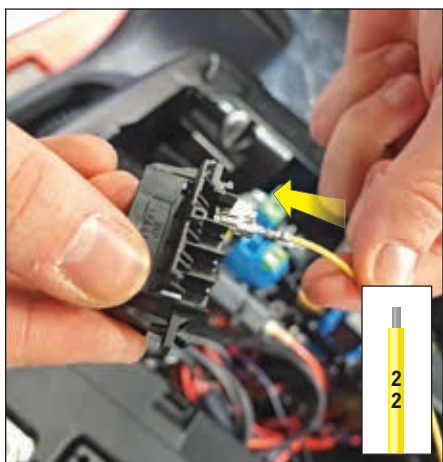
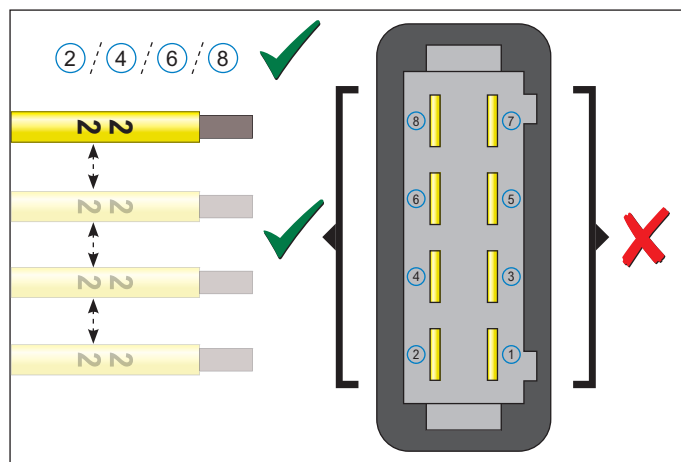


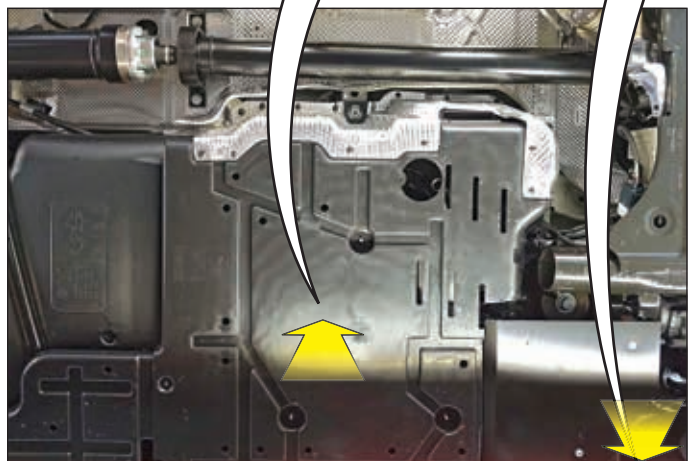
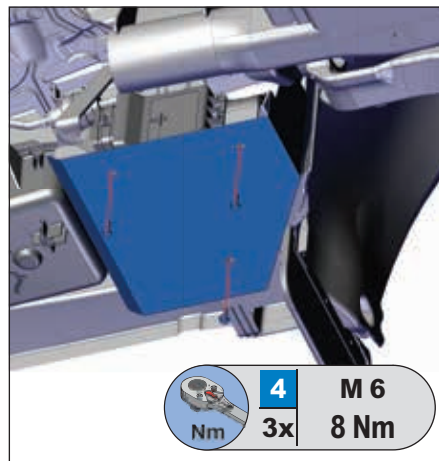
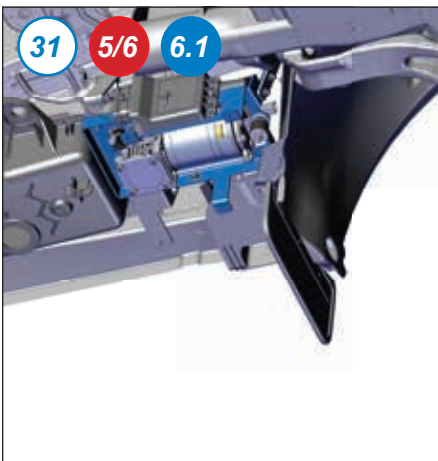
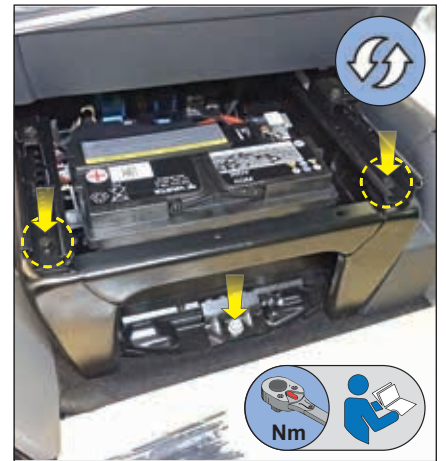
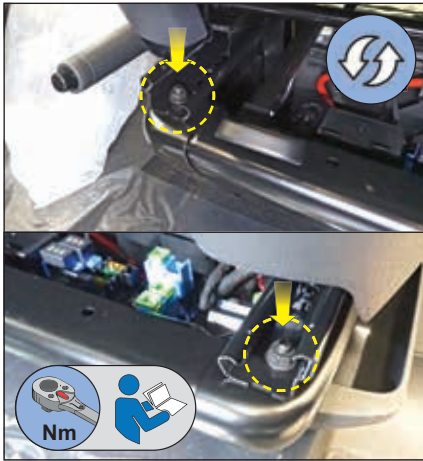
? → see ELECTRIC DIAGRAM P31

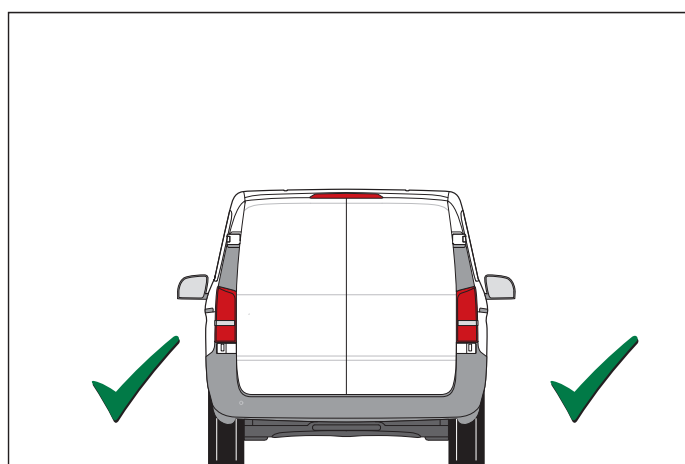
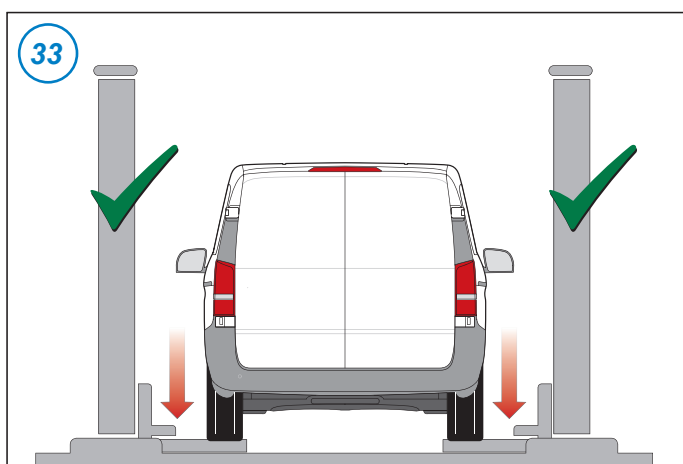
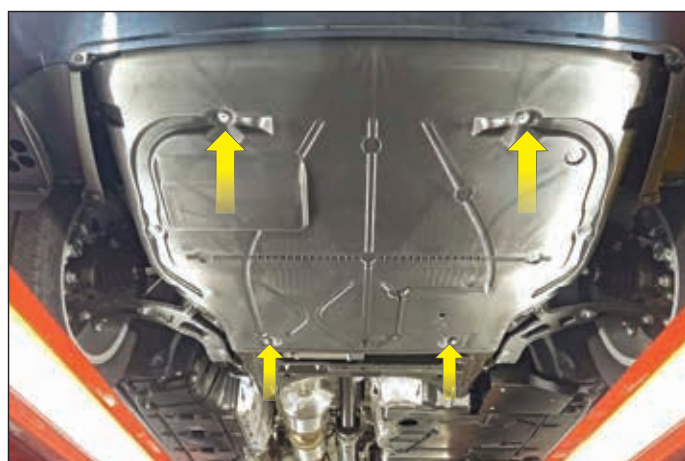




? → see ELECTRIC DIAGRAM P31

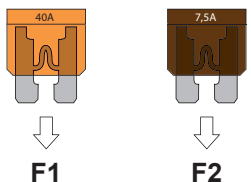






4. CALIBRATION / KALIBRATIE / KALIBRIERUNG / CALIBRAGE

34



F1 **F2**

35



VB-ASCU



VB-SMT

36

1. Programming the VB-ASCU
1. VB-ASCU programmeren
1. VB-ASCU programmieren
1. Programmer VB-ASCU

SMT:

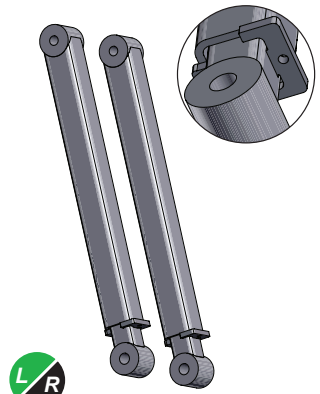
1. Programmazione del VB-ASCU
1. Programma VB-ASCU
1. Программирование блока управления системой пневматической подвески VB-ASCU
1. VB-ASCU'nun Programlanması

37

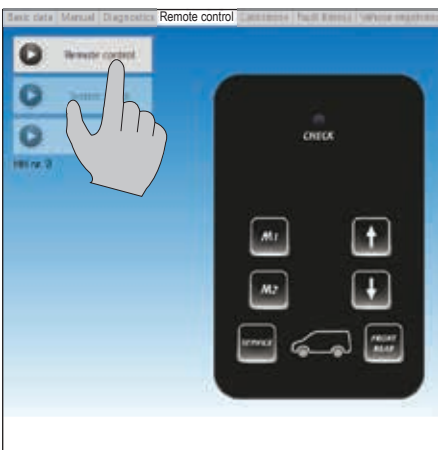
2. Calibration vehicle
2. Kalibratie voertuig
2. Kalibrieren Fahrzeug
2. Calibrage véhicule

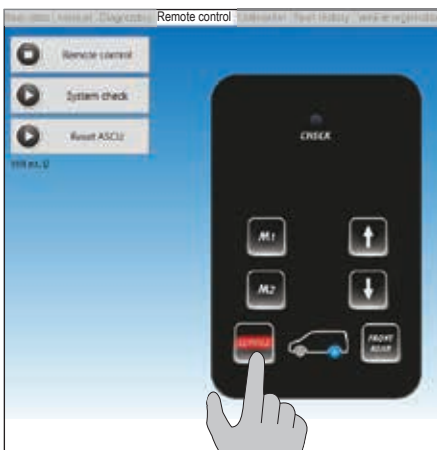
SMT:

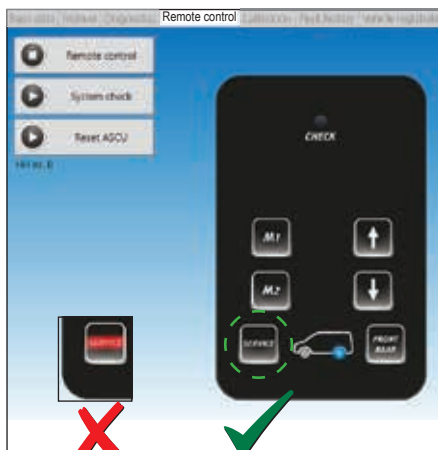
2. Calibrazione veicolo
2. Kalibrering fordon
2. Калибровка транспортное средство
2. Kalibrasyon aracı

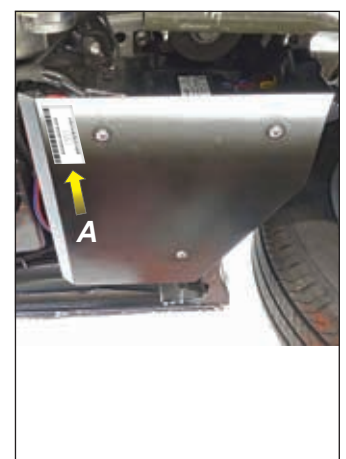
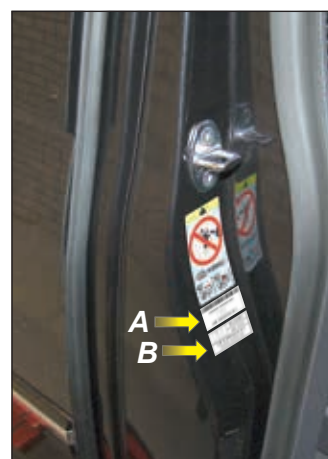
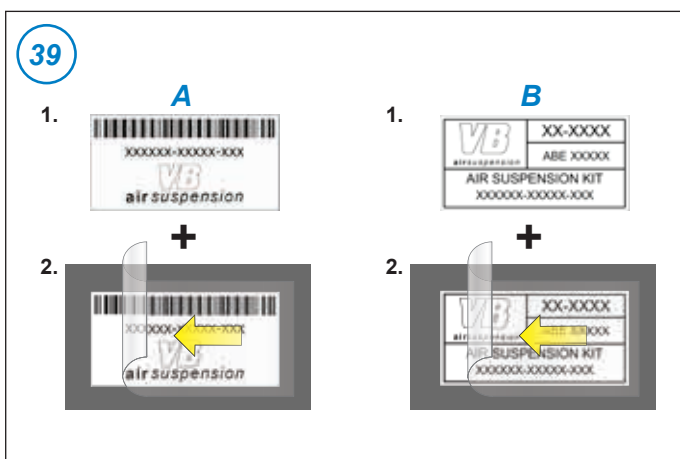
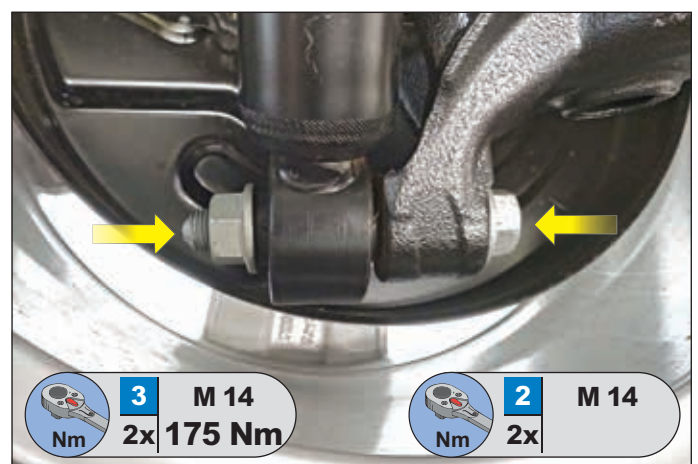
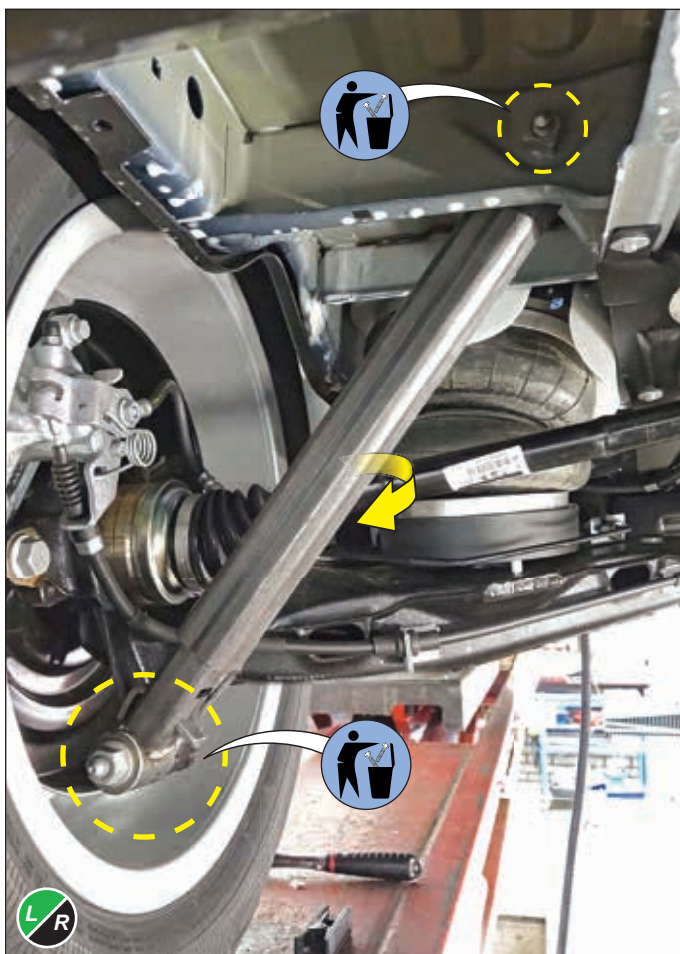
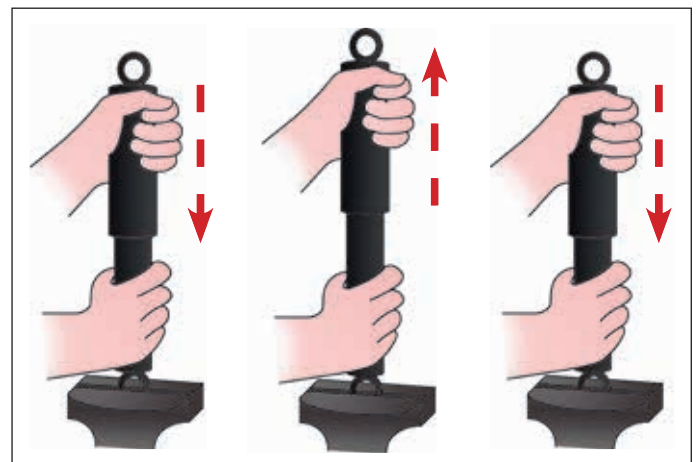
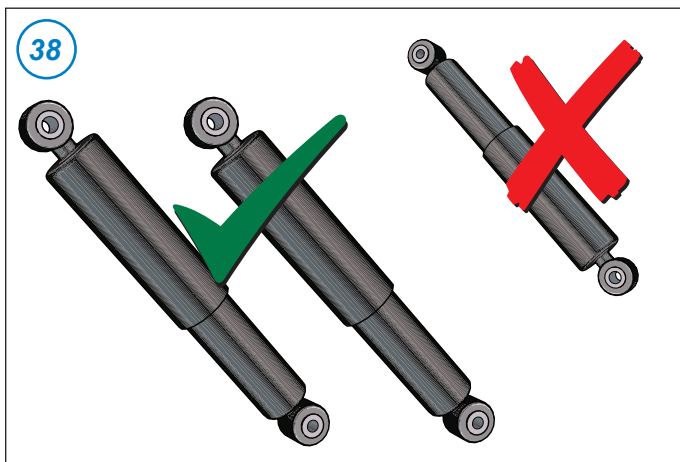


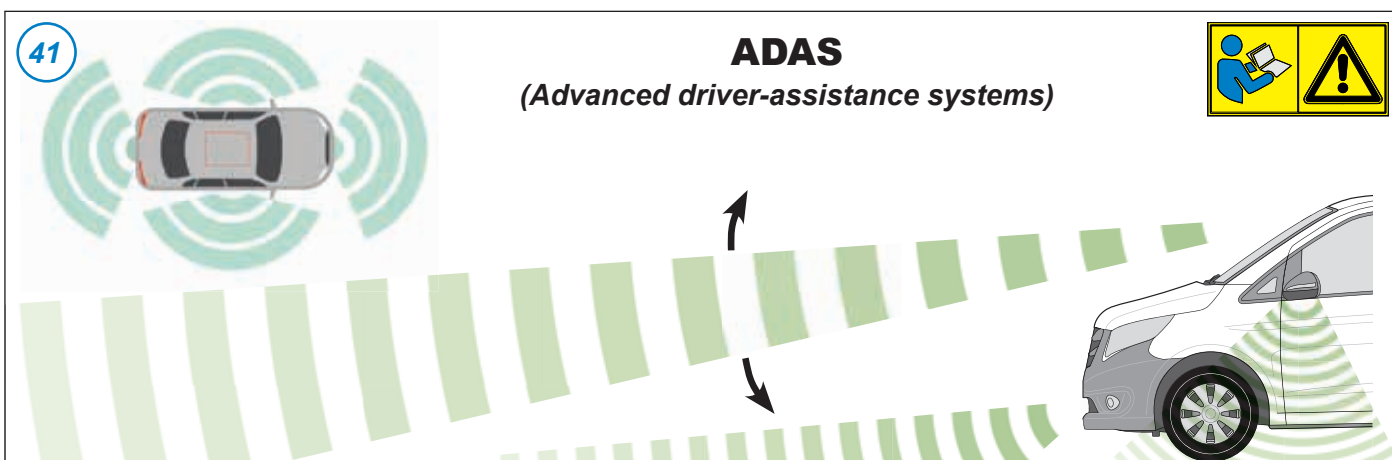
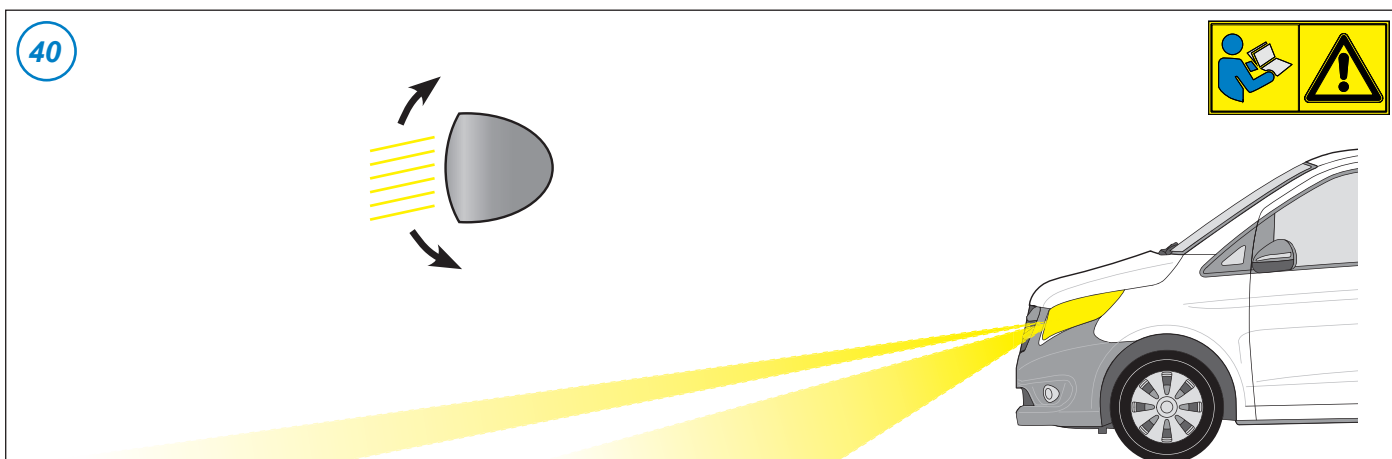
L/R











5. CHECKLIST / CHECKLIST / CHECKLISTE / CHECK-LIST



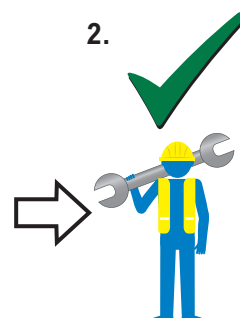
Enclosed is a CHECKLIST in English.
For a CHECKLIST in your own language,
see the supplied VB document
CHECKLIST 730105000003-ALL.

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.



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.

- | | | |
|-----|--------------------------|-------------------------|
| 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: - -

Dealer:

VB-ID-no: - -

Kit number(s):

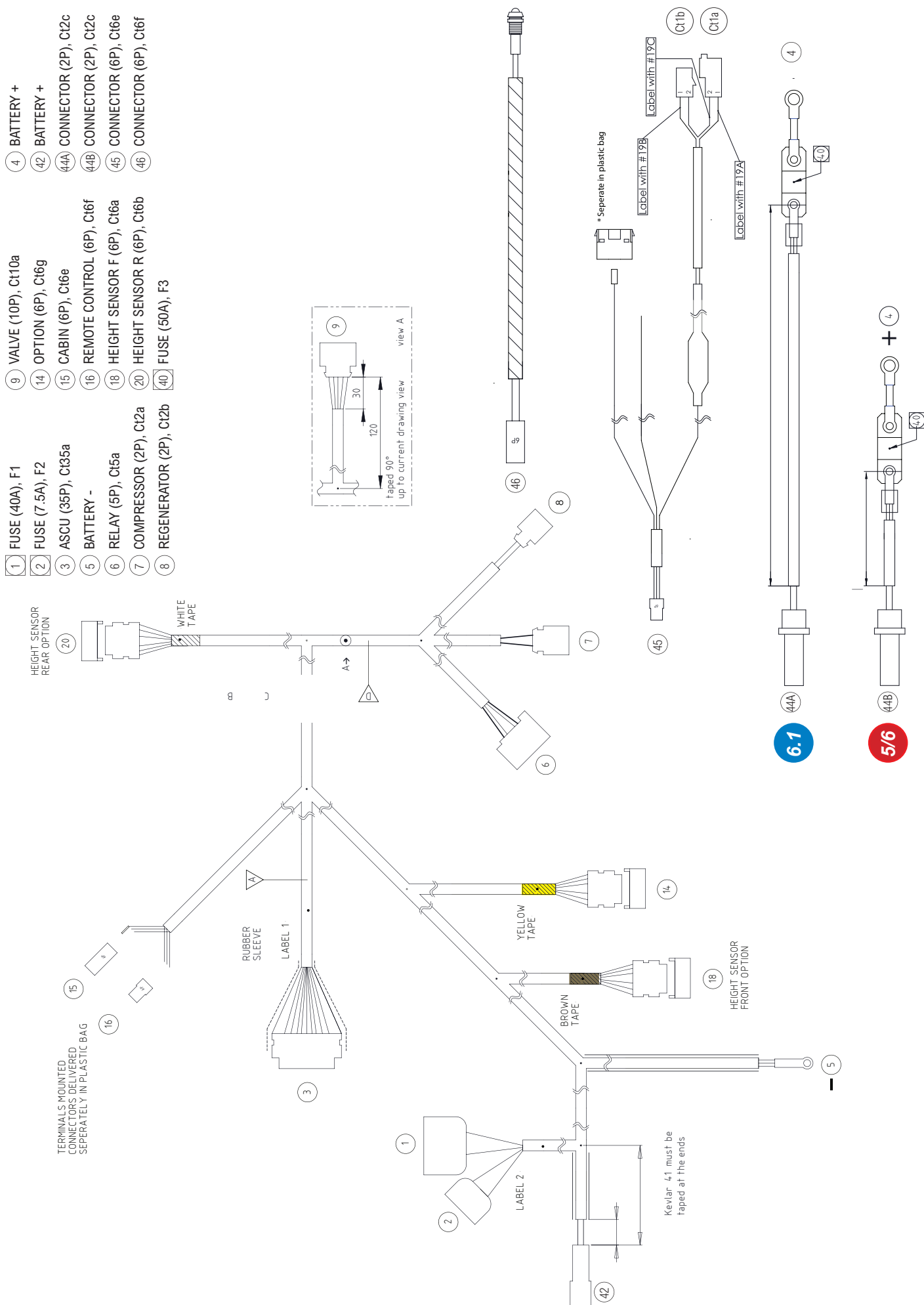
Fitting instructions no.: **7 3 0 1 9 0 0 9 0 6 0 0** Revision: **V 2 . 1**

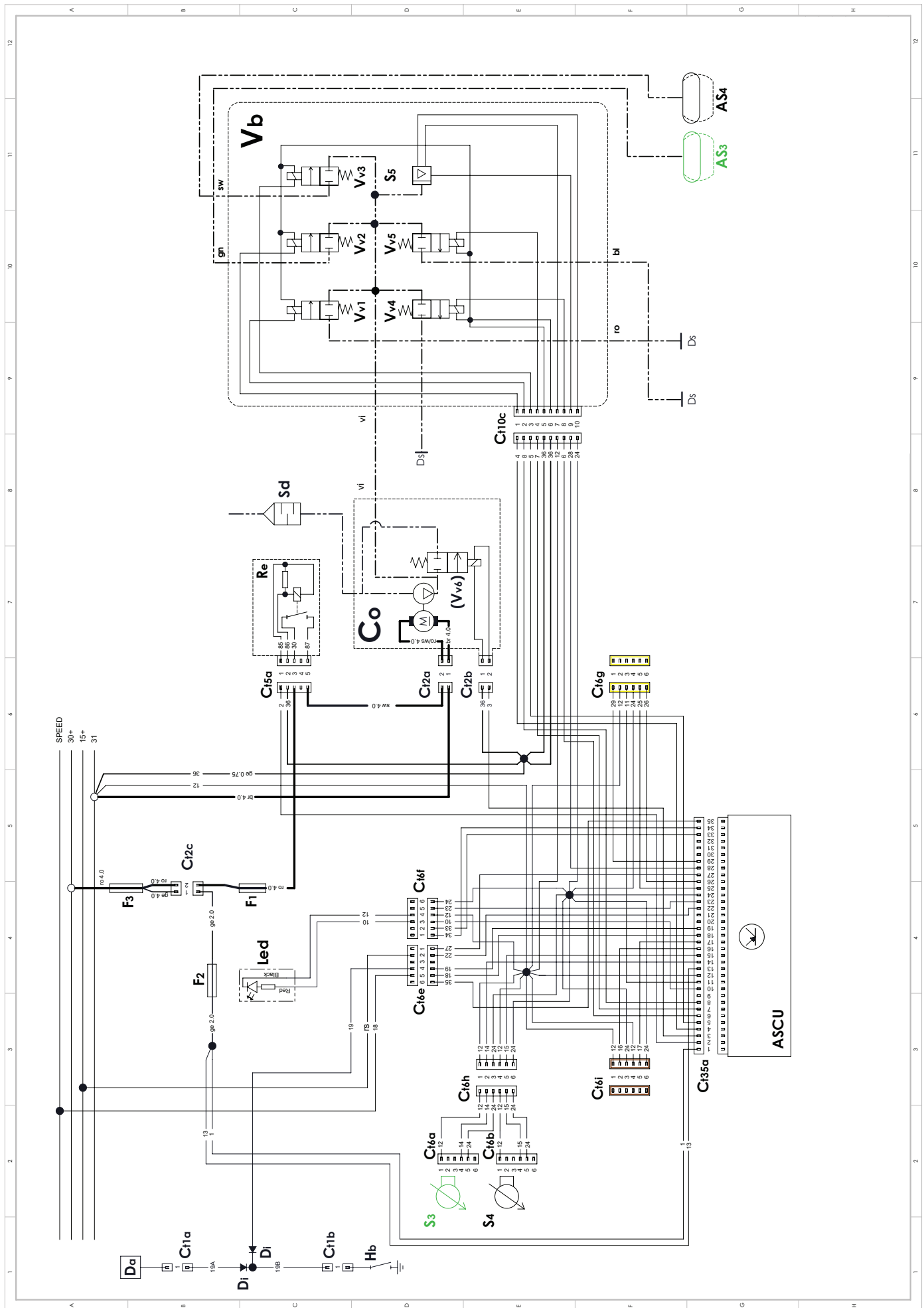
This checklist must be archived by the dealer and must be available for VB-Airsuspension.



[illegible]

8. ELECTRICAL DIAGRAM / ELEKTRISCH SCHEMA / SCHALTBIKD / SCHÉMA ÉLECTRIQUE

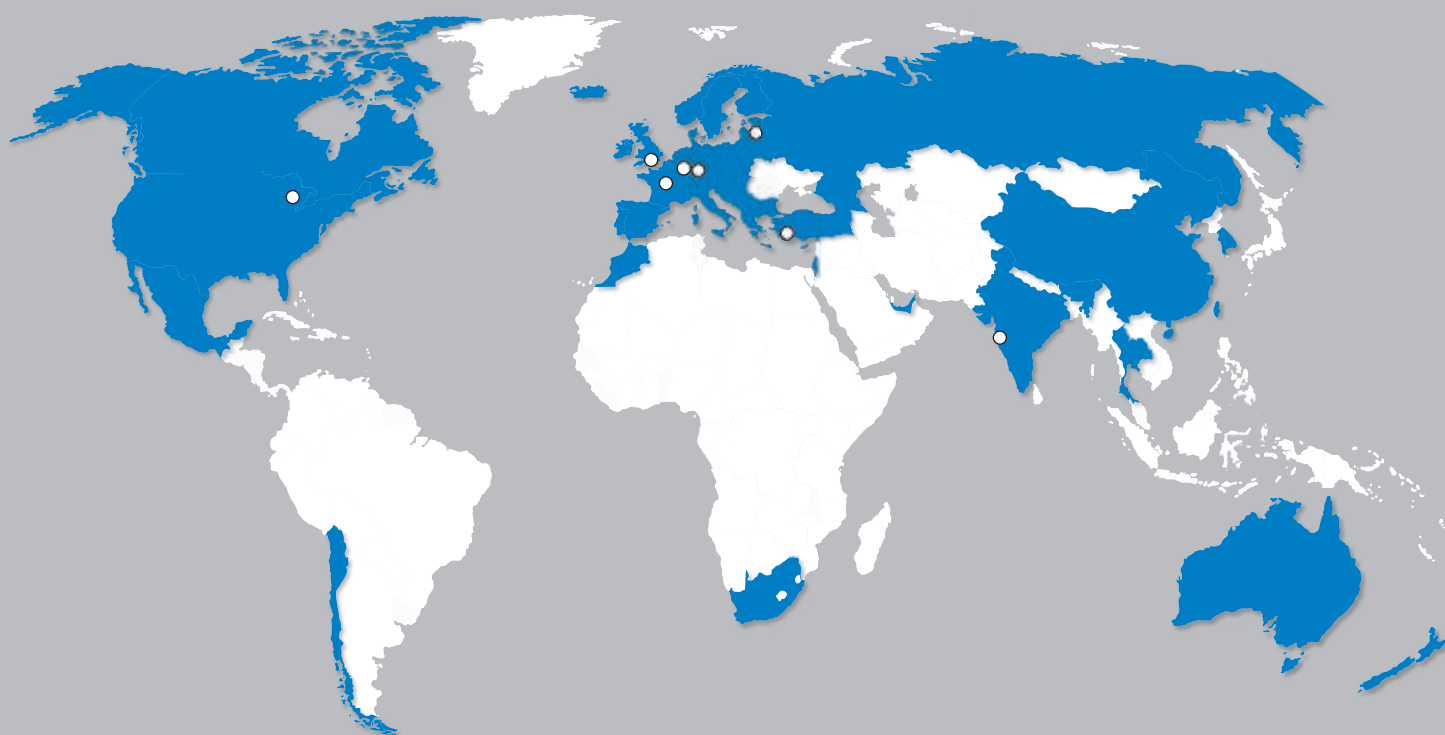




Name	Description
ASCU	VB-ASCU (electronic control unit)
AS3	Air spring, rear left
AS4	Air spring, rear right
Ct1a	Connector, 1-pin, handbrake
Ct1b	Connector, 1-pin, handbrake
Ct2a	Connector, 2-pin, compressor power supply
Ct2b	Connector, 2-pin, dump valve on compressor
Ct2c	connector, 2-pin, power supply system
Ct4a	Connector, 2-pin, canbus interface or PSM-module
Ct5a	Connector, 5-pin, compressor relay
Ct6a	Connector, 6-pin, height sensor rear left
Ct6b	Connector, 6-pin, height sensor rear right
Ct6e	Connector, 6-pin, VB supply cable
Ct6f	Connector, 6-pin, remote control
Ct6g	Connector, 6-pin, connector option (yellow)
Ct10a	Connector, 10-pin, valve block
Ct35a	Connector, 35-pin, VB-ASCU
Co	Compressor
Da	Dashboard
Di	Diode
Ds	eindstop
Ev	Emergency valves (option)
F1	Fuse, compressor, 40 A
F2	Fuse, VB-ASCU, 7.5 A
F3	Fuse, primary, 50 A
F4	Fuse, 3 A
Hb	Handbrake
Re	Compressor relay
S3	Height sensor, rear left
S4	Height sensor, rear right
S5	Pressure sensor on valve block
Sd	Air silencer/filter
Vb	Valve block
Vv1	Valve for front right air spring on valve block
Vv2	Valve for rear left air spring on valve block
Vv3	Valve for rear right air spring on valve block
Vv6	Dump valve on compressor

Name	Description
Colour codes (yellow with wire number is not indicated)	
bl	Blue
br	Brown
ge	Yellow
gn	Green
ro	Red
ro/ws	Red/white
rs	Pink
sw	Black
vi	Purple
ws	White
-----	0,50 mm ²
-----	0,75 mm ²
— — —	4,00 mm ²
— — — — —	Air tube

Lined paper template with horizontal ruling lines.



VB-AIRSUSPENSION,

INCREASED COMFORT, BETTER DRIVEABILITY, MORE SAFETY.

